

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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: _____

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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Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	HORTON 2-11
Doc ID	1320433

Tops

Name	Top	Datum
Heebner	3819	-883
Toronto	3838	-902
Lansing	3915	-979
Base Lansing	4330	-1394
Marmaton	4347	-1411
Pawnee	4442	-1506
Ft. Scott	4473	-1537
Mississippi	4757	-1821
RTD	4900	-1964



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: Lebsack Oil Production, Inc.

LEASE: Horton #2- 11

FIELD: Tanker

LOCATION: 2302' FSL & 2300' FWL (SW-NE-NE-SW)

SEC: 11 TWSP: 22s RGE: 34w

COUNTY: Finney STATE: Kansas

KB: 2936' GL: 2925'

API # 15-055-22439-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 10/11/2016 Comp: 10/19/2016

RTD: 4900' LTD: 4896'

Mud Up: 3400' Type Mud: Chemical was displaced

Samples Saved From: 3700' to RTD.

Drilling Time Kept From: 3700' to RTD.

Samples Examined From: 3700' to RTD.

Geological Supervision From: 3850' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 435'

Production Casing: NONE

Electronic Surveys: HALLIBURTON

NOTES

On the basis of the low structural position, drill stem test and after reviewing the electric logs, it was recommended by all parties involved in the Horton 2-11 be plugged and abandoned at the rotary total depth.

Lebsack Oil Production, Inc. well comparison sheet

DRILLING WELL

COMPARISON WELL

COMPARISON WELL

Formation	2936 KB				2931 KB				Structural Relationship		2939 KB		Structural Relationship	
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log		
Heebner	3825	-889	3819	-883	3807	-876	-13	-7	3824	-885	-4	2		
Toronto	3844	-908	3838	-902	3825	-894	-14	-8	3844	-905	-3	3		
Lansing	3914	-978	3915	-979	3898	-967	-11	-12	3915	-976	-2	-3		
Base KC	4333	-1397	4330	-1394	4317	-1386	-11	-8	4329	-1390	-7	-4		
Marmaton	4357	-1421	4347	-1411	4341	-1410	-11	-1	4354	-1415	-6	4		
Pawnee	4444	-1508	4442	-1506	4428	-1497	-11	-9	4447	-1508	0	2		
Ft. Scott	4475	-1539	4473	-1537	4452	-1521	-18	-16	4475	-1536	-3	-1		
Cherokee Sh.	4488	-1552	4481	-1545	4469	-1538	-14	-7	4486	-1547	-5	2		
Morrow Shale	4678	-1742	4678	-1742	4662	-1731	-11	-11	4678	-1739	-3	-3		
Mississippi	4752	-1816	4757	-1821	4738	-1807	-9	-14	4758	-1819	3	-2		
St. louis C	4834	-1898	4830	-1894	4802	-1871	-27	-23	4829	-1890	-8	-4		
RTD	4900	-1964			4835	-1904			4900	-1961				
LTD	4896	-1960			4839	-1908								



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

ATTN: Josh Austin

Job Ticket: 65622 DST#: 1
Test Start: 2016.10.15 @ 01:00:15

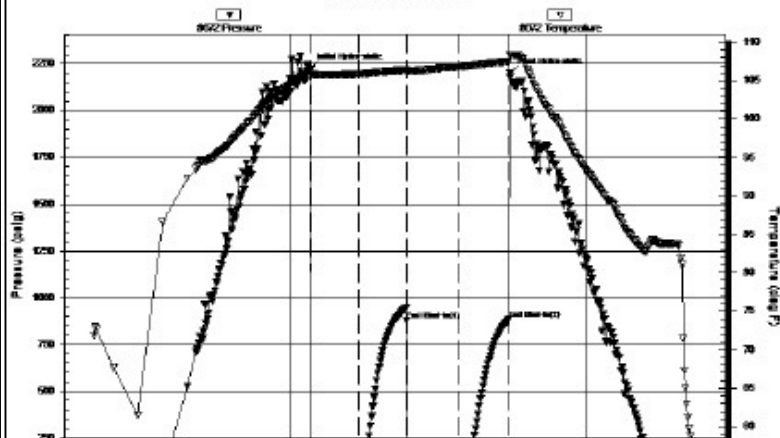
GENERAL INFORMATION:

Formation: Ft. Scott
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:12:30
 Time Test Ended: 07:06:30
 Interval: 4465.00 ft (KB) To 4491.00 ft (KB) (TVD)
 Total Depth: 4491.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 2936.00 ft (KB)
 2927.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8672 Inside
 Press@RunDepth: 54.52 psig @ 4466.00 ft (KB)
 Start Date: 2016.10.15 End Date: 2016.10.15
 Start Time: 01:00:15 End Time: 07:06:30
 Capacity: 8000.00 psig
 Last Calib.: 2016.10.16
 Time On Btn: 2016.10.15 @ 03:12:15
 Time Off Btn: 2016.10.15 @ 05:13:15

TEST COMMENT: IF:Weak surface blow died in 14 min.
 IS:No return blow
 FF:No blow
 FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.87	106.36	Initial Hydro-static
1	51.09	105.62	Open To Flow (1)
30	52.16	105.82	Shut-in(1)
59	877.37	106.37	End Shut-in(1)
59	52.75	106.15	Open To Flow (2)
90	54.52	106.82	Shut-in(2)
120	883.80	107.51	End Shut-in(2)
121	2201.87	108.35	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100% _m	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

Job Ticket: 65623

DST#: 2

ATTN: Josh Austin

Test Start: 2016.10.17 @ 12:43:15

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:31:54
 Time Test Ended: 19:40:39

Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81

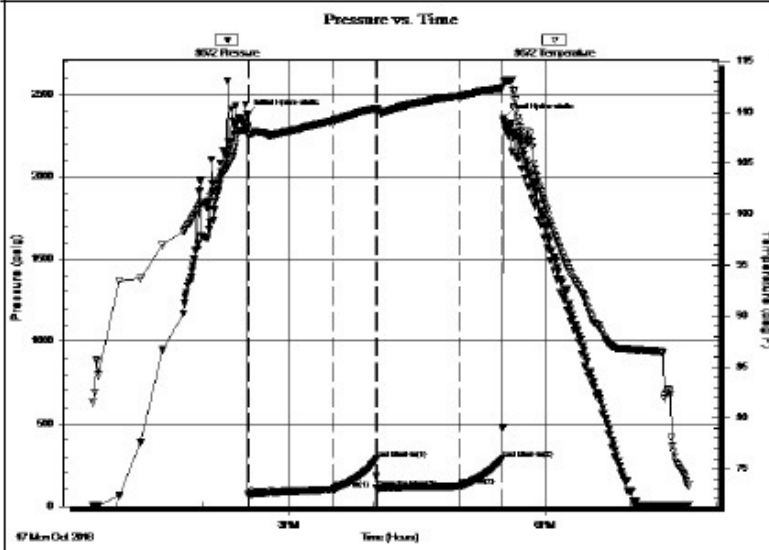
Interval: 4670.00 ft (KB) To 4742.00 ft (KB) (TVD)
 Total Depth: 4742.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2936.00 ft (KB)
 2927.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8672 Inside
 Press@RunDepth: 118.34 psig @ 4708.00 ft (KB)
 Start Date: 2016.10.17 End Date: 2016.10.17
 Start Time: 12:43:15 End Time: 19:40:39

Capacity: 8000.00 psig
 Last Calib.: 2016.10.17
 Time On Btm: 2016.10.17 @ 14:31:24
 Time Off Btm: 2016.10.17 @ 17:30:39

TEST COMMENT: IF: Built to 5" blow
 IS: No return blow
 FF: Built to 6" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2374.50	108.35	Initial Hydro-static
1	67.90	107.74	Open To Flow (1)
61	101.54	109.17	Shut-In(1)
90	283.03	110.36	End Shut-In(1)
91	107.17	110.31	Open To Flow (2)
149	118.34	111.56	Shut-In(2)
179	286.50	112.32	End Shut-In(2)
180	2349.08	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
138.00	gcom 10%g 40%o 50%m	0.68
69.00	ocm 50%o 50%m	0.34
20.00	ocm 20%o 80%m	0.27

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

Job Ticket: 65624

DST#: 3

ATTN: Josh Austin

Test Start: 2016.10.18 @ 19:50:15

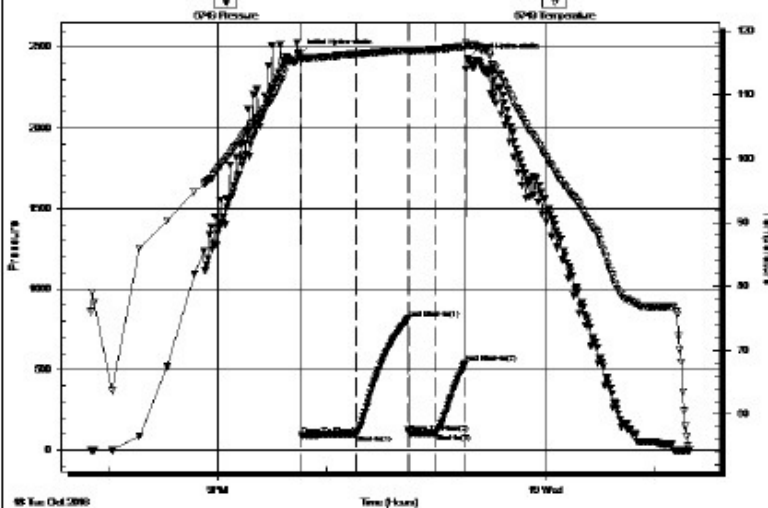
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 21:45:45
 Time Test Ended: 01:19:30
 Interval: **4746.00 ft (KB) To 4900.00 ft (KB) (TVD)**
 Total Depth: **4900.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Mike Roberts**
 Unit No: **81**
 Reference Elevations: **2936.00 ft (KB)**
2927.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 6749 Outside
 Press@RunDepth: **109.64 psig @ 4880.00 ft (KB)**
 Start Date: **2016.10.18** End Date: **2016.10.19**
 Start Time: **19:50:15** End Time: **01:19:30**
 Capacity: **8000.00 psig**
 Last Calib.: **2016.10.19**
 Time On Btm: **2016.10.18 @ 21:45:15**
 Time Off Btm: **2016.10.18 @ 23:17:30**

TEST COMMENT: IF: Built to 3/4" blow
 IS: No return blow
 FF: No blow
 FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.90	116.37	Initial Hydro-static
1	92.99	115.76	Open To Flow (1)
31	102.55	116.33	Shut-In(1)
60	816.06	117.07	End Shut-In(1)
60	105.41	116.88	Open To Flow (2)
75	109.64	117.15	Shut-In(2)
91	538.25	117.51	End Shut-In(2)
93	2431.96	117.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	mud with oil spots 100%m	0.20

Gas Rates

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

* Recovery from multiple tests

ROCK TYPES

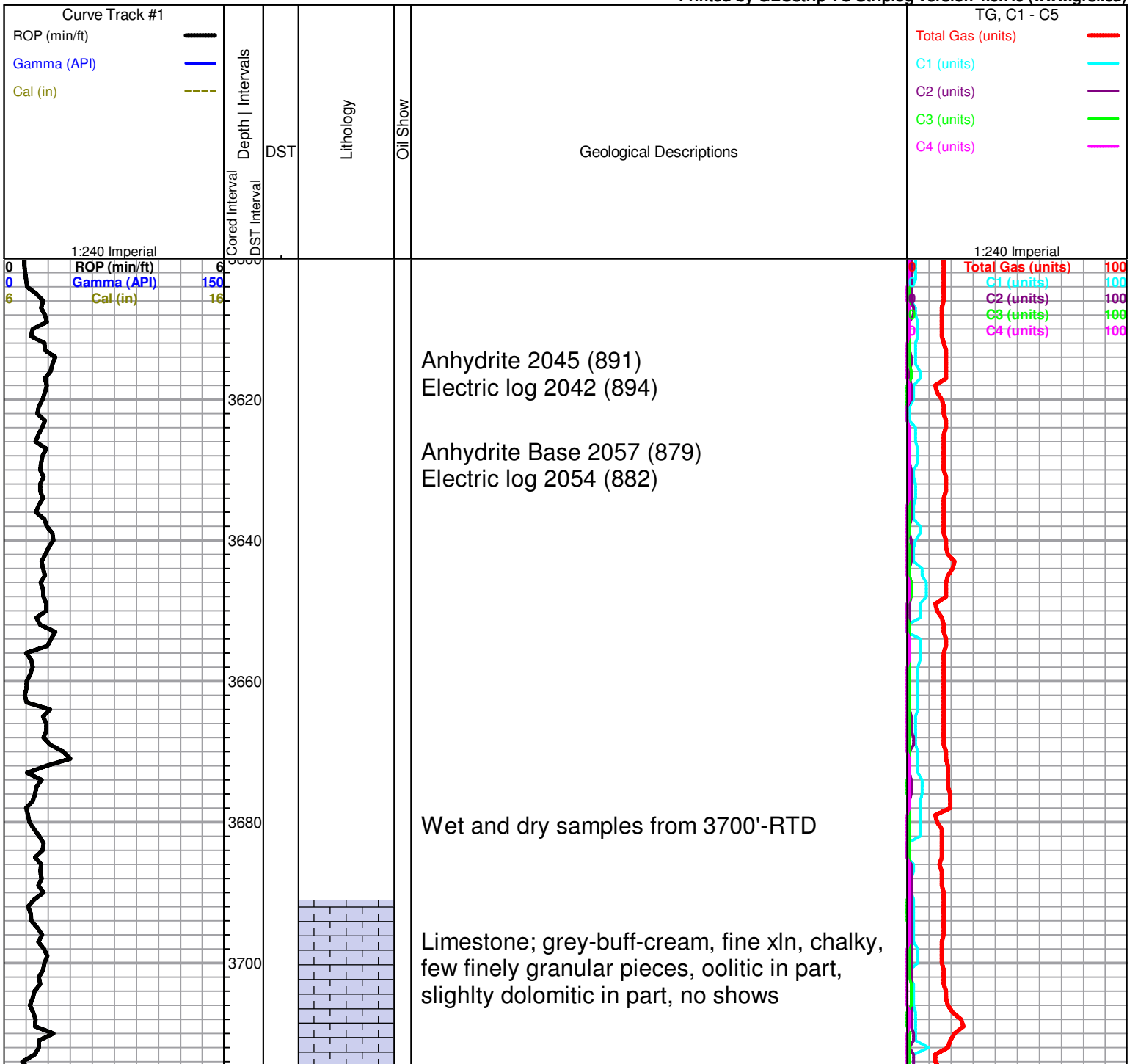
	sdymst		shale, grn		Carbon Sh
	Lmst fw7>		shale, gry		Ss

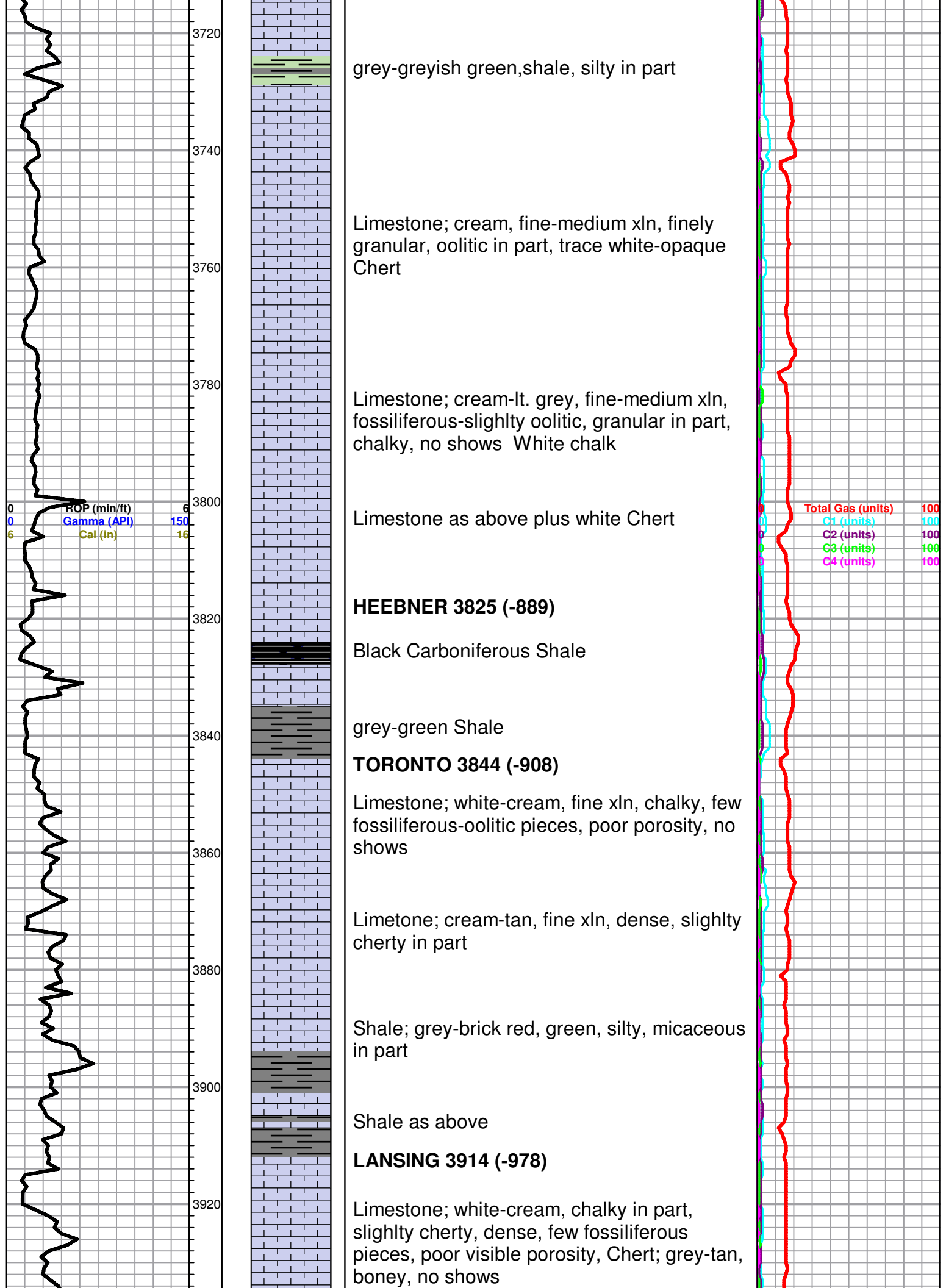
OTHER SYMBOLS

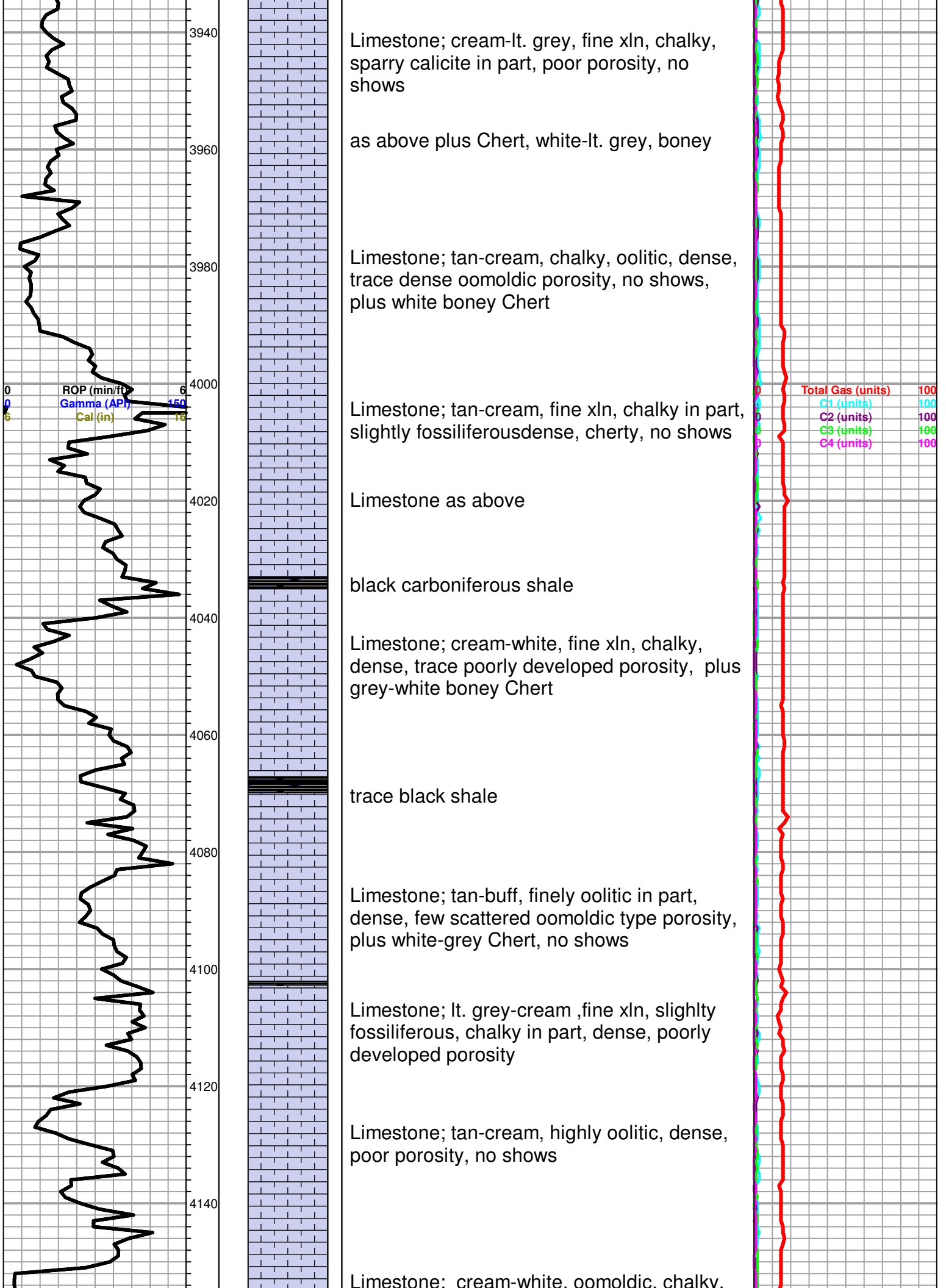
DST

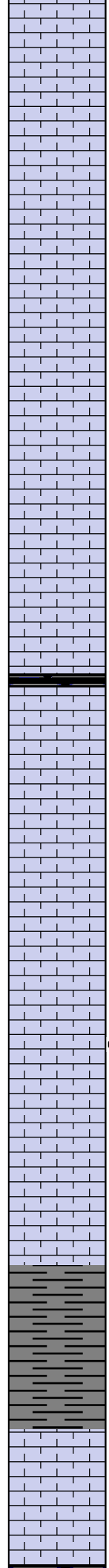
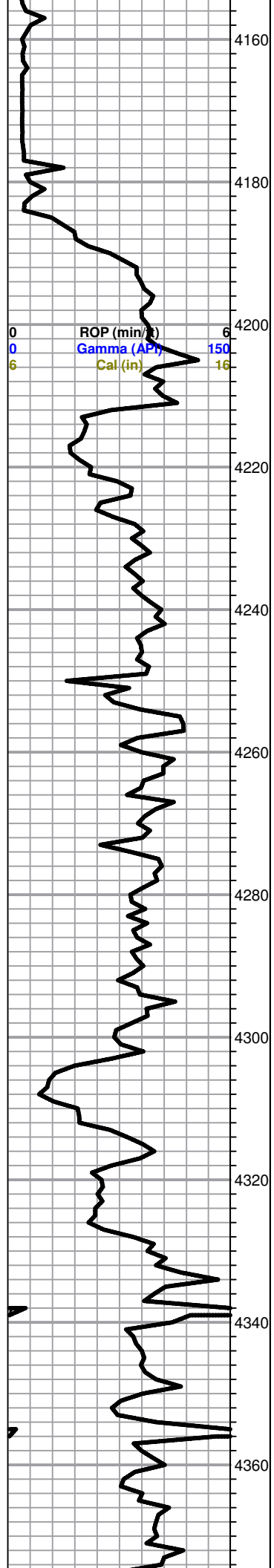
	DST Int
	DST alt
	Core
	tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)









Limestone; cream-tan, cherty, oomoldic, cherty, good oomoldic porosity (barren)

Limestone; as above no shows

BASE POROSITY BREAK 4188 (-1252)

Limestone; cream-white, chalky in part, dense, poor visible porosity, no shows plus white chalk

Limestone; cream, oomoldic-oolitic, fair-good oomoldic type porosity, no shows

Limestone; cream-tan-buff, fine xln, dense, cherty, slightly fossiliferous, Chert; tan, white, boney, no shows

Limestone; grey, fine xln, dense, poor visible porosity, no shows

trace black carboniferous shale

Limestone; cream-lt. grey, fine xln, chalky, slightly fossiliferous, dense, plus Chert; smokey grey-tan-white, boney, no shows

Limestone; cream, fine xln, chalky in part, dense, plus few fossiliferous pieces, poor porosity, Chert; grey, boney, slightly fossiliferous, no shows

Limestone, cream, fine-medium xln, slightly oolitic, fair-good fossilcast porosity, spotty brown stain, trace spotty free oil, faint-fair odor

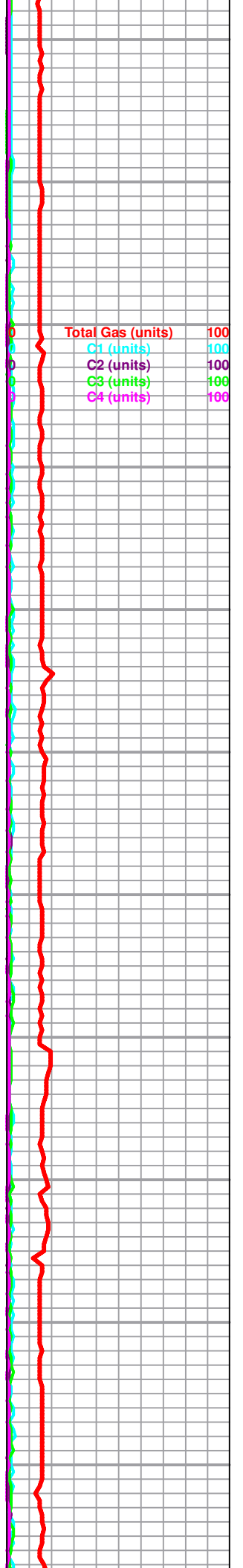
Limestone; cream-tan-lt. grey, fine xln, dense, poorly developed porosity, cherty, no shows

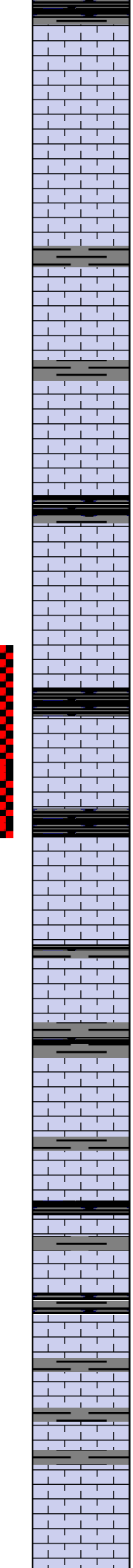
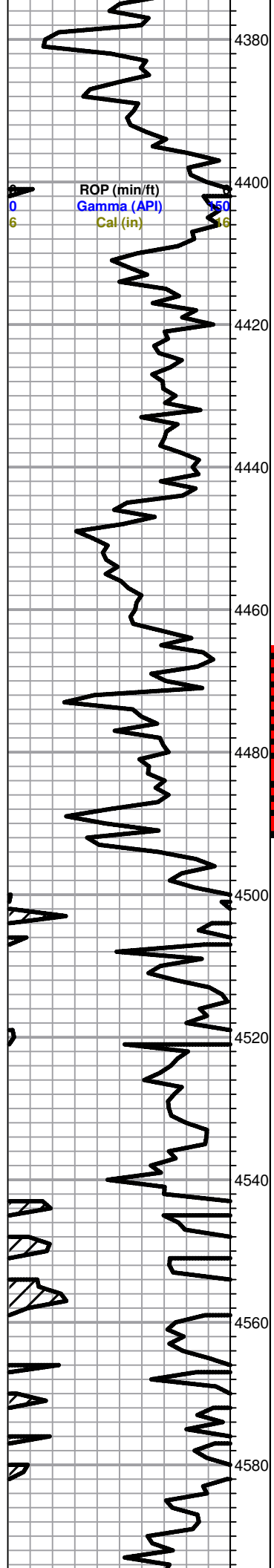
BASE KANSAS CITY 4333 (-1397)

Shale; greyish green silty, plus greyish green siltstone

MARMATON 4357 (-1421)

Limestone; cream, fine xln, chalky, oolitic in part, white chalk, no shows





Limestone; cream, fine xln, highly oolitic, dense, good oolitic-fossiliferous porosity, brown stain, spotty free oil, faint-fair odor

Limestone; cream, oolitic, chalky,

Limestone; grey, fine xln, dense, fine oolitic-fossiliferous, chert in part, no visible porosity, no shows

Limestone; cream, white, fine xln, dense, cherty, poor visible porosity, plus Chert; cream-white, fossiliferous

black carboniferous shale
PAWNEE 4444 (-1508)

Limestone; cream-buff, highly oolitic in part dense, poorly developed porosity, no shows

FT. SCOTT 4475 (-1539)

Limestone; cream, oolitic, dense, chalky in part, poor porosity, trace spotty brown stain, trace spotty free oil, very faint odor

CHEROKEE SHALE 4488 (-1552)

black carboniferous shale

Limestone; buff-cream-grey, fossiliferous, dense, cherty, plus Chert; white-opaque, foss, translucent in part

black carboniferous shale

grey-black shale

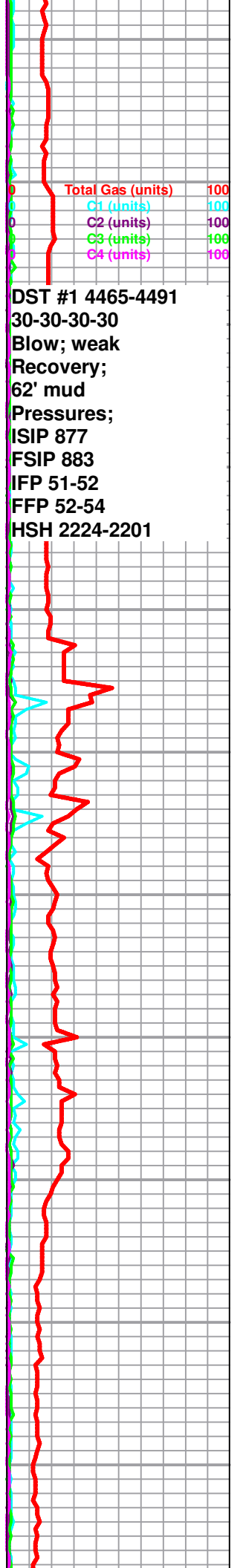
Limestone; cream, fossiliferous, chalky, mottled in part, poor porosity, no shows

Limestone as above plus variety colors of shale and white chalk

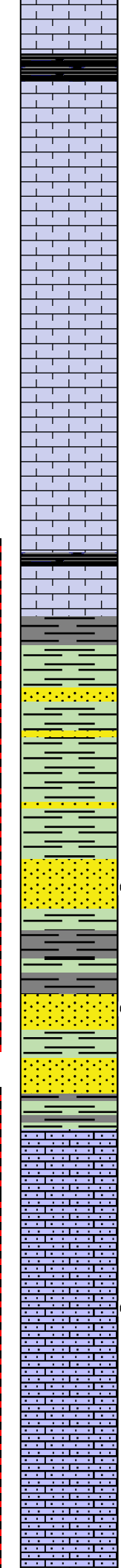
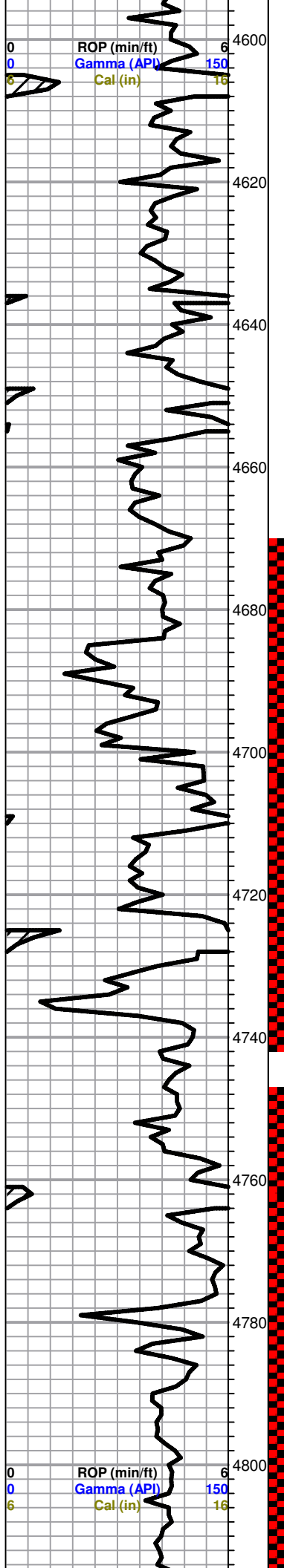
black carboniferous shale

Limestone; tan-cream-buff, fine xln, dense, cherty, poor visible porosity, fossiliferous in part, plus Chert; amber-tan

Limestone; cream-tan, fine xln, dense, slightly oolitic-fossiliferous, cherty in part, plus Chert; white-amber-tan, fossiliferous, boney



DST #1 4465-4491
30-30-30-30
Blow; weak
Recovery;
62' mud
Pressures;
ISIP 877
FSIP 883
IFP 51-52
FFP 52-54
HSH 2224-2201



black carboniferous shale

ATOKA

Limestone; cream, fine xln, fossiliferous, chalky, trace intercrystalline porosity, golden brown stain, questionable trace slight spotty SFO (1pcs) faint odor when sample broke

Limestone; buff-tan, fine xln, slightly sucrosic, dolomitic in part, trace golden brown stain, NSFO, faint "flash" odor plus amber-dark grey Chert

Limestone; cream-tan, fine-medium xln, fossiliferous in part, dense, cherty, poor visible porosity, no shows, Chert; smokey grey-amber-tan-black

black carboniferous shale

MORROW SHALE 4678 (-1742)

Shale; green, soft, slightly silty, plus Limestone; cream, fine-medium xln, chalky, glauconitic

Shale as above plus, lt grey-greyish green silty, glauconitic in part, few micaceous pieces

Sand; tan, fine-medium grained, calcareous, fair intergranular porosity, lt brown stain, lt spotty SFO (5-6 pcs)

Sand; grey-clear, fine-medium grained, fair intergranular porosity, lt. brown stain, spotty SFO, faint-fair odor trace gas bubbles

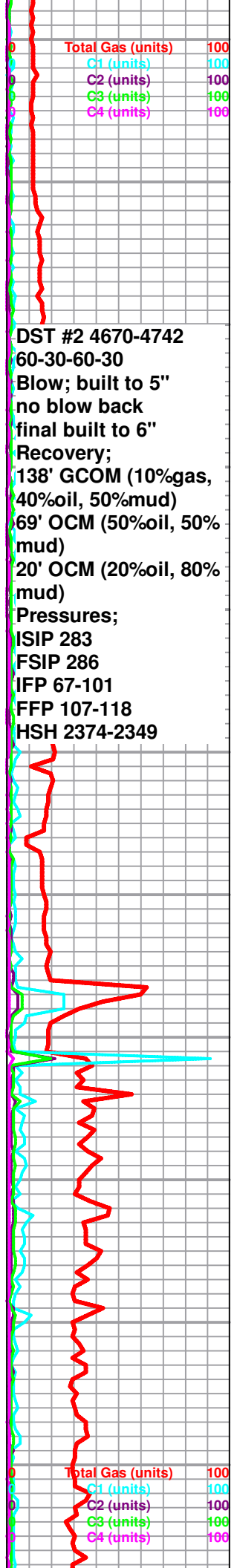
MISSISSIPPI 4752 (-1816)

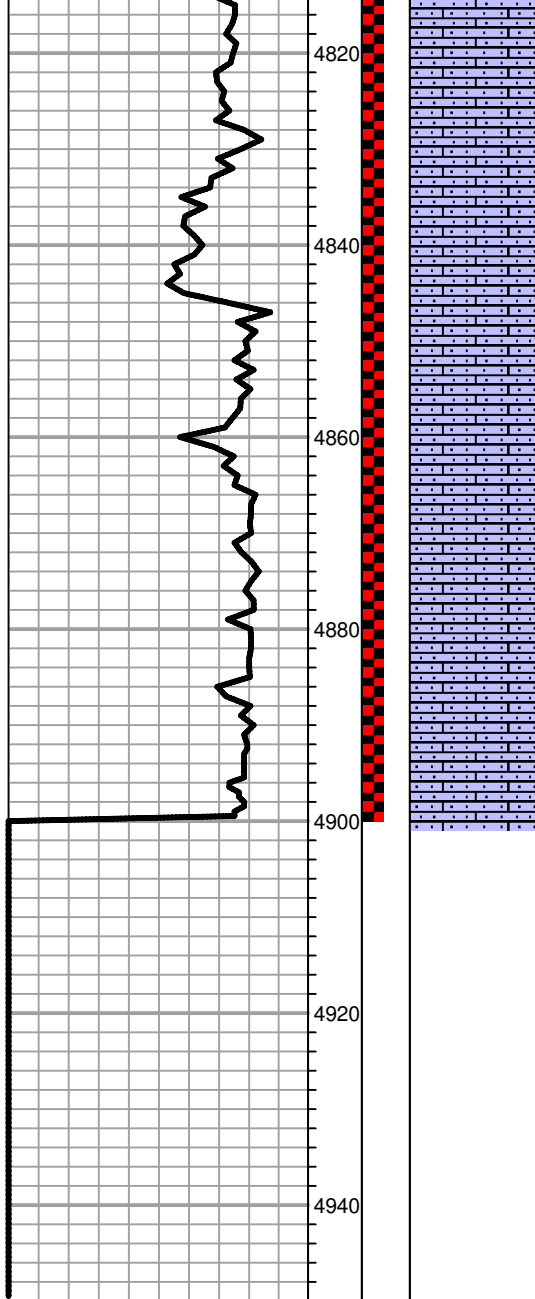
Limestone; white-cream, chalky, granular/sandy, oolitic-finely oolitic, no shows, plus white chalk

Limestone; cream-tan, highly oolitic, few nodules, good oolitic type porosity, brown stain, spotty SFO, no odor

Limestone; cream-lt. grey, highly oolitic, granular/sandy, chalky, no shows, plus Chert; white-smokey grey

Limestone; cream fine medium xln slightly





Limestone, cream, fine-medium xln, slightly oolitic-fossiliferous, poor porosity, no shows plus Chert; lt. grey-translucent

ST. LOUIS 'C' 4834 (-1898)

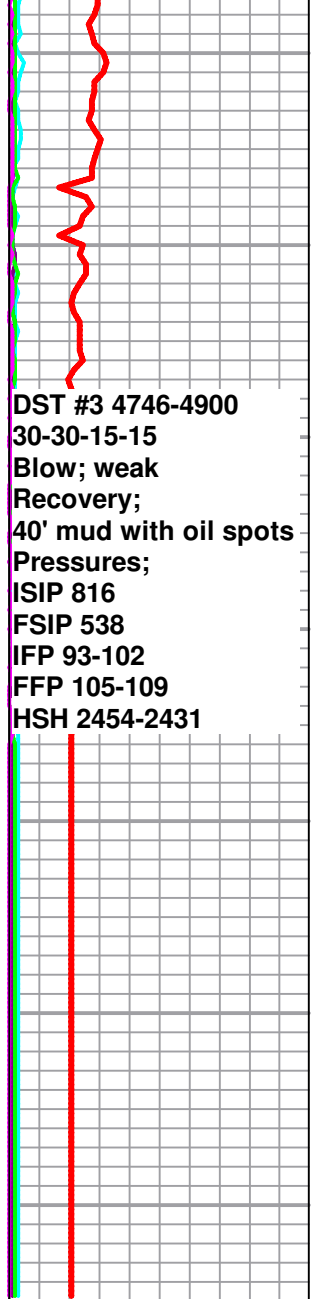
Limestone; cream-buff, fine-medium xln, finely oolitic, chalky in part, dense, poorly developed porosity, no shows

Limestone; white-cream, highly oolitic, fine-medium xln, chalky in part, plus buff-tan Limestone,oolitic, dense, poorly developed porosity, white chalk, no shows

Limestone; cream-white, highly oolitic, granular/sandy, chalky, no shows

Limestone; as above plus Chert; white, boney

ROTARY TOTAL DEPTH 4900 (-1964)



DST #3 4746-4900
30-30-15-15
Blow; weak
Recovery;
40' mud with oil spots
Pressures;
ISIP 816
FSIP 538
IFP 93-102
FFP 105-109
HSH 2454-2431



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Estates Road, Liberal KS 67901

Job Log

Customer: Lebsack Oil Production	Cement Pump No.: 38119-19570 0 HRB	Operator TRK No.: 7892
Address: PO Box 489	Truck #: 1716-19570-1 1312AL	Bulk TRK No.: 14354-19578
City, State, Zip: Hays Ks 67801	Job Type: Z42 - Cement Surface Casing	
Service District: LIBERAL	Well Type: OIL	
Well Name and No.: Horizon 2-11	Well Location: 11,22,34	County: Finney State:

Type of Cmt	Sacks	Additives	Truck Loaded On
60/40 POZ	280	3%CaCl, 1/4#POLYFLAKE, 2%GEL	14354-19578 Front
			Front
			Front

Lead/Tails	Weight #1 Gal.	CU/F/5k	Water Requirements	CU. FT.	Man Hours / Person
Lead:	14.8	1.21	5.18	338.8	Man Hours: 8
Tail:					# of Men on Job: 3

Time (am/pm)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
		T	C	Tubing	Casing	
11:59						ON LOC, SAFTEY MTG, R.U.
10:41						BREAK CIRC
10:58 AM				1800		TEST LINES
10:58 AM	5	60.84		240		START MIXING @ 14.8#
11:13 AM						SD, DROP PLUG
11:19	3.8			70		START DISP, WASHUP
11:31	28			180		PLUG DOWN, SHUT IN WELL
						JOB COMPLETE

Size Hole	Depth		TYPE
Size & Wt. Cag.	Depth	New / Used	Packer
15g.	Depth		Retainer
Top Plugs	Type		Perfs

Customer Signature: *[Signature]* Basic Representative: CHAD HINZ
 Basic Signature: *[Signature]*
 Date of Service: 10/11/2016



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Job Log

Customer:	Lebsack Oil Production	Cement Pump No.:	38119-19670 6HRS	Operator TRK No.:	78939
Address:	PO Box 489	Ticket #:	1716-14158 L	Book TRK No.:	30463-37547
City, State, Zip:	Hays Ks 67601	Job Type:	Z42 - Plug to Abandon		
Service District:		Well Type:	OIL		
Well Name and No.:	Horton 2-11	Well Location:	11,22,34	County:	Finney
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
60/40 POZ	240	4% GEL	30463-37547	Front	Back
				Front	Back
				Front	Back

Lead/Tail:	Weight #/ Gal.	CU/FT/sk	Water Requirements	CU, FT.	Man Hours / Personnel	
Lead:	13.5	1.51	7.5	362.4	Man Hours:	6
Tail:					# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
6:00							ON LOC, SAFTEY MTG, R.U.
8:18	3	10			250		PUMP H2O
9:21 AM	3	13.4			250		MIX 50 SX @ 2060'
9:25 AM	3	2			100		H2O SPACER
8:28 AM	8	23					MUD
10:10	3	10			210		H2O SPACER
10:15	4	21.5			300		MIX 80 SX @ 1030'
10:21 AM	4	9			170		DISPLACE CEMENT
10:44	4	10			170		H2O SPACER
10:48	4	10.7			170		MIX 40SX @ 485'
10:51	4	3.8					DISPLACE CEMENT
11:08	2.5	5.3					MIX 20SX @ 60'
11:35		5.3/8					PLUG MH, AND RH
							WASHUP P&L
							JOB COMPLETE

Size Hole	Depth	TYPE
Size & Wt. Cap.	Depth	New / Used
Wg.	Depth	Retainer
Top Plugs	Type	Perfs

Customer Signature:	Basic Representative:	CHAD HINZ
	Basic Signature:	
	Date of Service:	10/19/2016



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

Job Ticket: 65622

DST#: 1

ATTN: Josh Austin

Test Start: 2016.10.15 @ 01:00:15

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:12:30

Time Test Ended: 07:06:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4465.00 ft (KB) To 4491.00 ft (KB) (TVD)

Reference Elevations: 2936.00 ft (KB)

Total Depth: 4491.00 ft (KB) (TVD)

2927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8672

Inside

Press@RunDepth: 54.52 psig @ 4466.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.15

End Date:

2016.10.15

Last Calib.:

2016.10.16

Start Time:

01:00:15

End Time:

07:06:30

Time On Btm:

2016.10.15 @ 03:12:15

Time Off Btm:

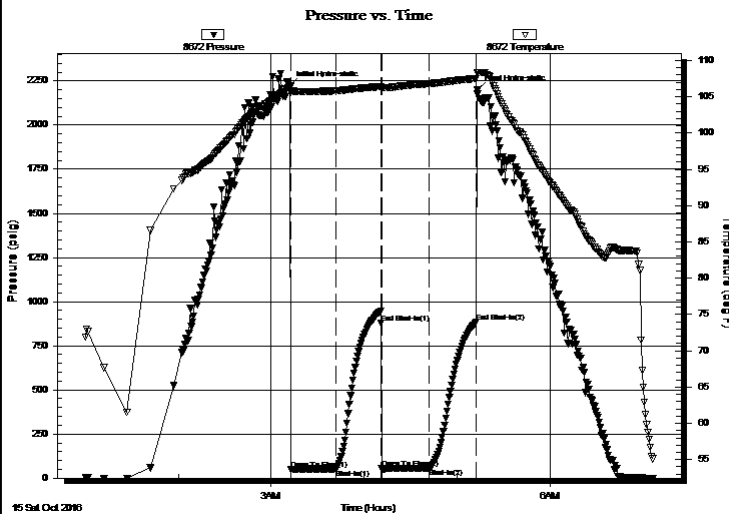
2016.10.15 @ 05:13:15

TEST COMMENT: IF:Weak surface blow died in 14 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.87	106.36	Initial Hydro-static
1	51.09	105.62	Open To Flow (1)
30	52.16	105.82	Shut-In(1)
59	877.37	106.37	End Shut-In(1)
59	52.75	106.15	Open To Flow (2)
90	54.52	106.82	Shut-In(2)
120	883.80	107.51	End Shut-In(2)
121	2201.87	108.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.30

Gas Rates

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

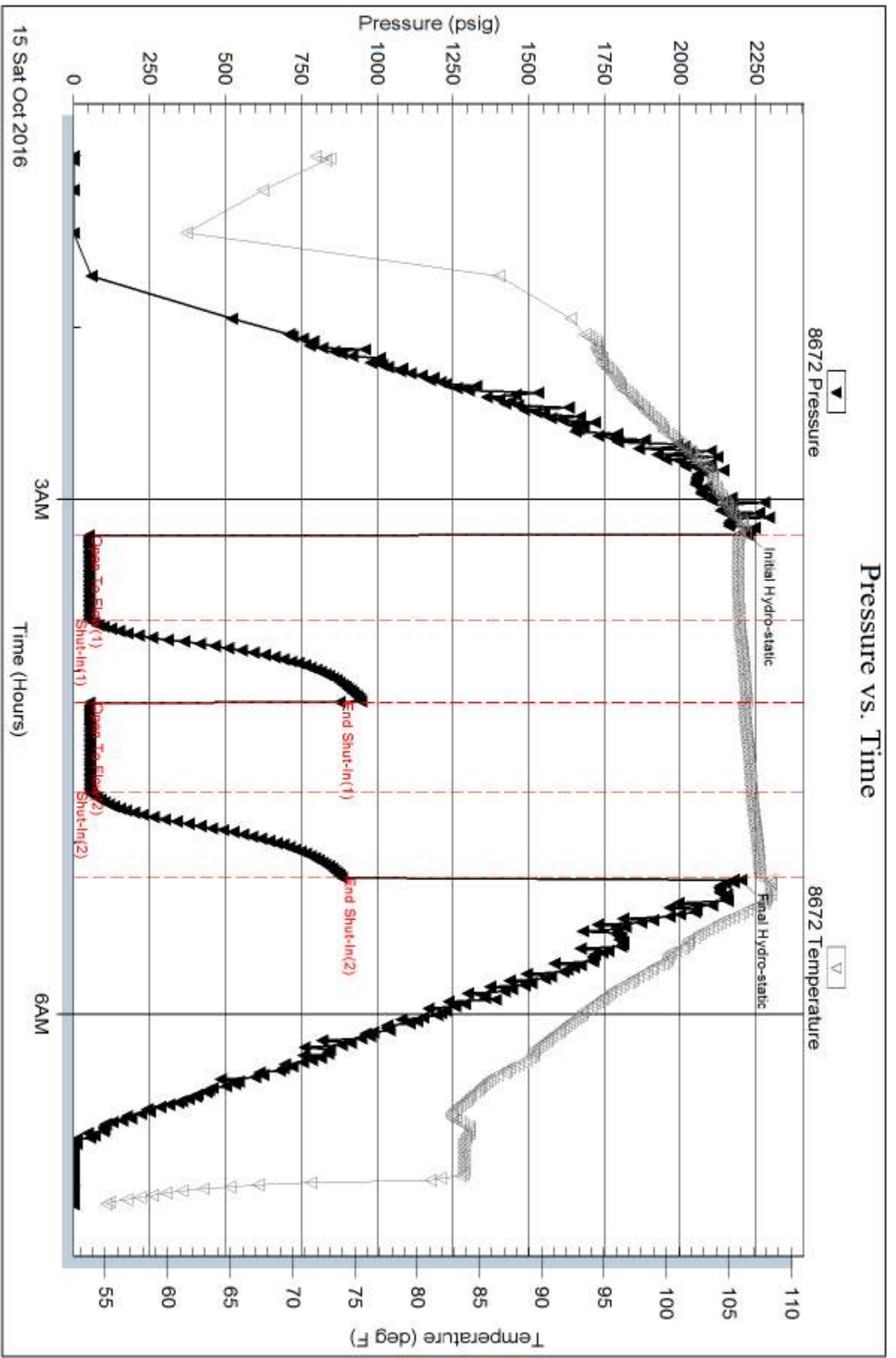
Serial #: 8672

Inside

Lebsack Oil Production Inc.

Horton 2-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65622

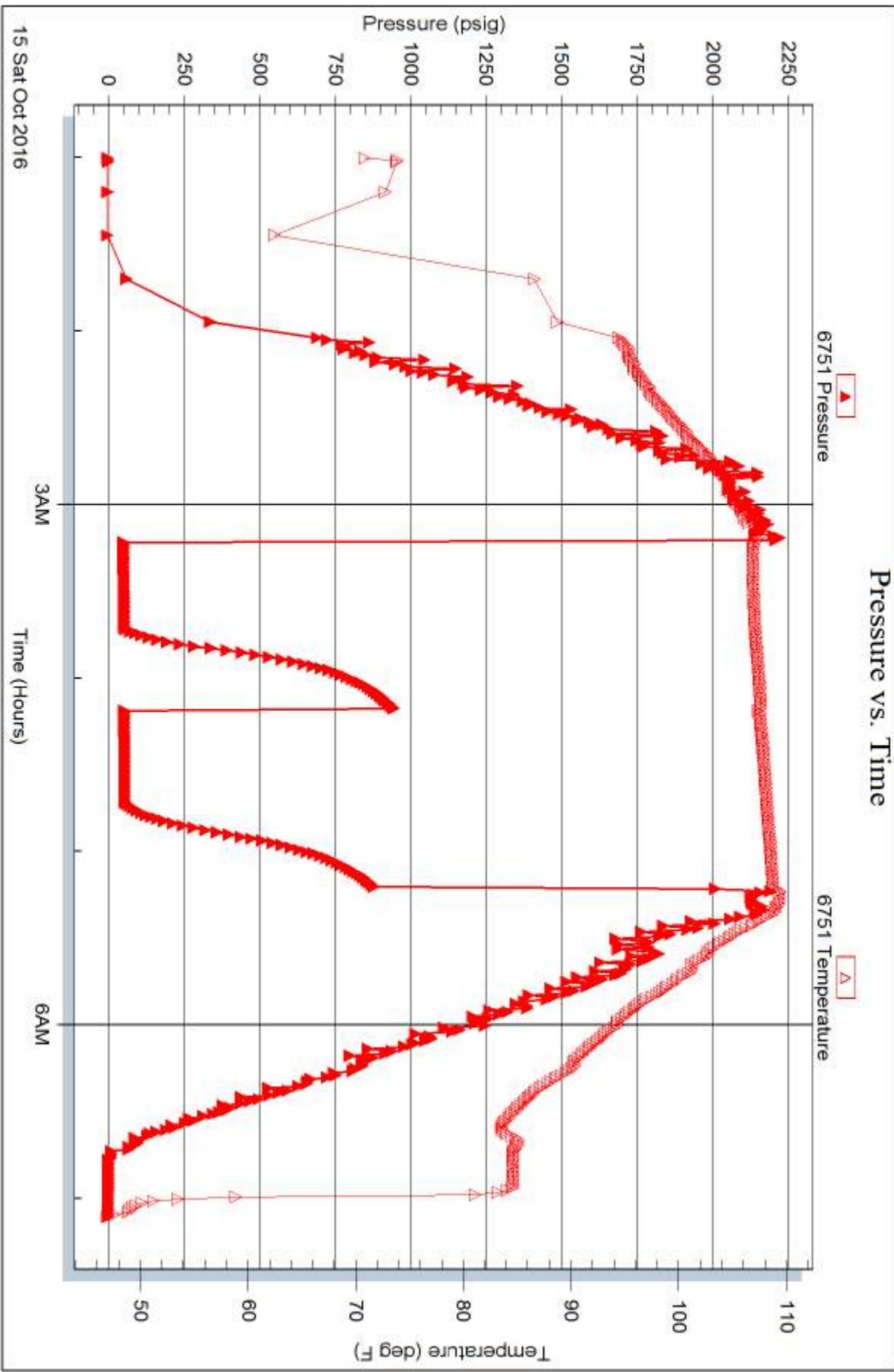
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Serial #: 6751

Outside Lebsack Oil Production Inc.

Horton 2-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65622

Printed: 2016.10.16 @ 07:39:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

Job Ticket: 65623

DST#: 2

ATTN: Josh Austin

Test Start: 2016.10.17 @ 12:43:15

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:31:54

Time Test Ended: 19:40:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4670.00 ft (KB) To 4742.00 ft (KB) (TVD)

Reference Elevations: 2936.00 ft (KB)

Total Depth: 4742.00 ft (KB) (TVD)

2927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8672

Inside

Press @ Run Depth: 118.34 psig @ 4708.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.17

End Date: 2016.10.17

Last Calib.: 2016.10.17

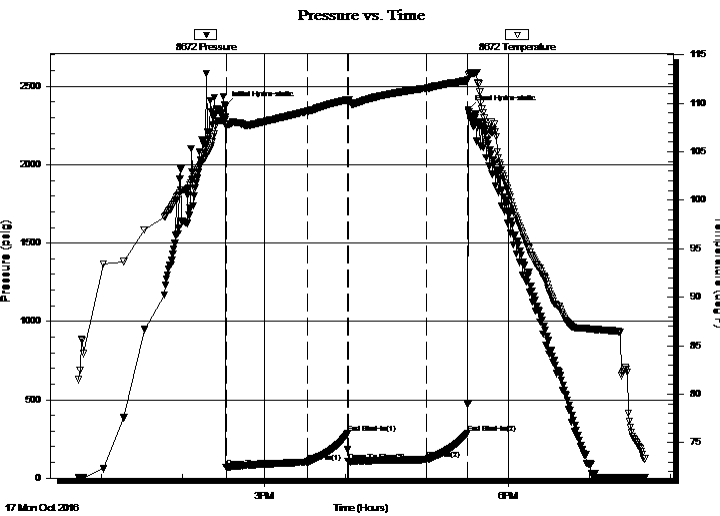
Start Time: 12:43:15

End Time: 19:40:39

Time On Btm: 2016.10.17 @ 14:31:24

Time Off Btm: 2016.10.17 @ 17:30:39

TEST COMMENT: IF: Built to 5" blow
IS: No return blow
FF: Built to 6" blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2374.50	108.35	Initial Hydro-static
1	67.90	107.74	Open To Flow (1)
61	101.54	109.17	Shut-In(1)
90	283.03	110.36	End Shut-In(1)
91	107.17	110.31	Open To Flow (2)
149	118.34	111.56	Shut-In(2)
179	286.50	112.32	End Shut-In(2)
180	2349.08	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
138.00	gcom 10%g 40%o 50%m	0.68
69.00	ocm 50%o 50%m	0.34
20.00	ocm 20%o 80%m	0.27

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

Job Ticket: 65623

DST#: 2

ATTN: Josh Austin

Test Start: 2016.10.17 @ 12:43:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.87 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
138.00	gcom 10%g 40%o 50%m	0.679
69.00	ocm 50%o 50%m	0.339
20.00	ocm 20%o 80%m	0.271

Total Length: 227.00 ft Total Volume: 1.289 bbl

Num Fluid Samples: 0

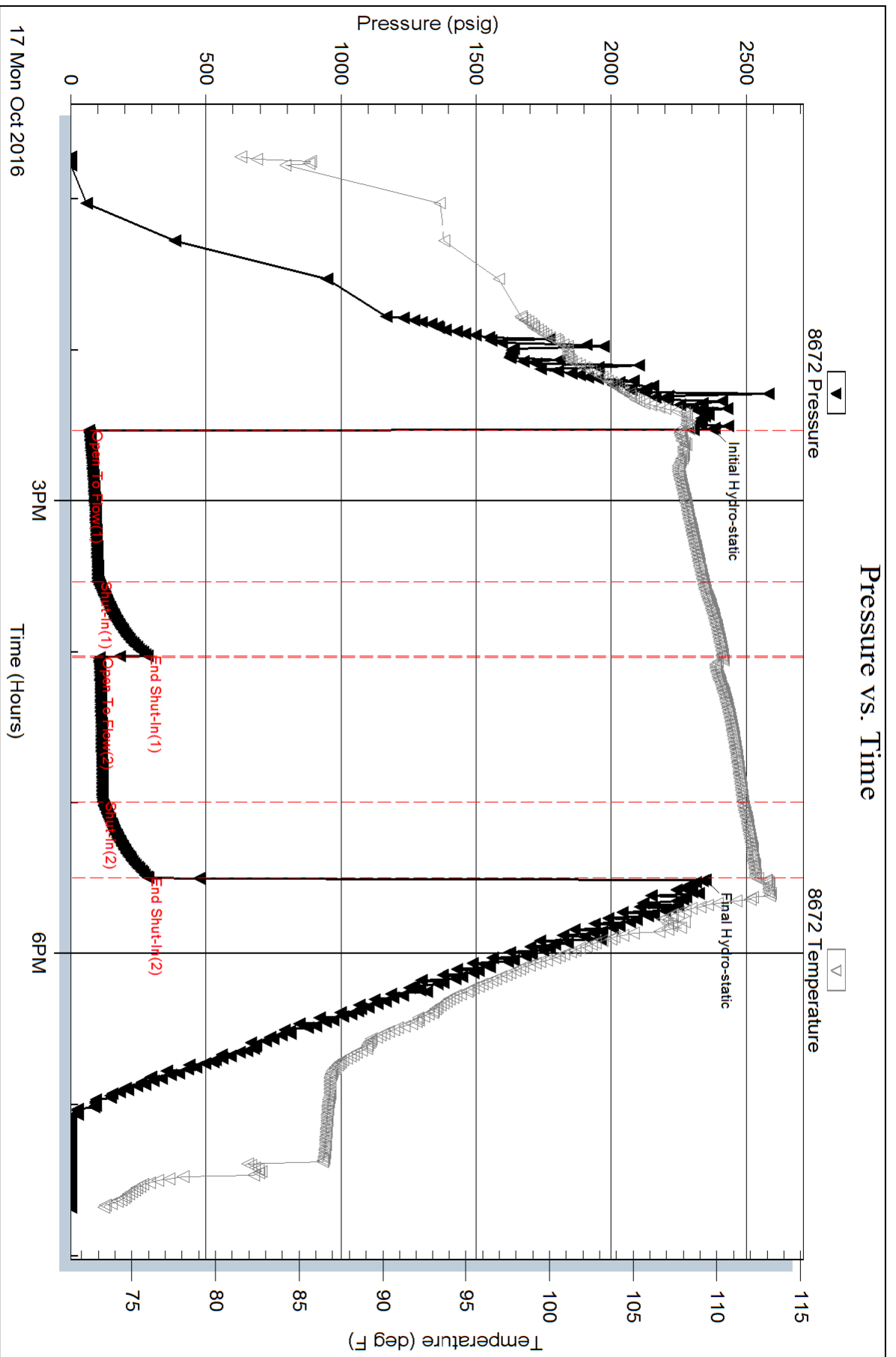
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

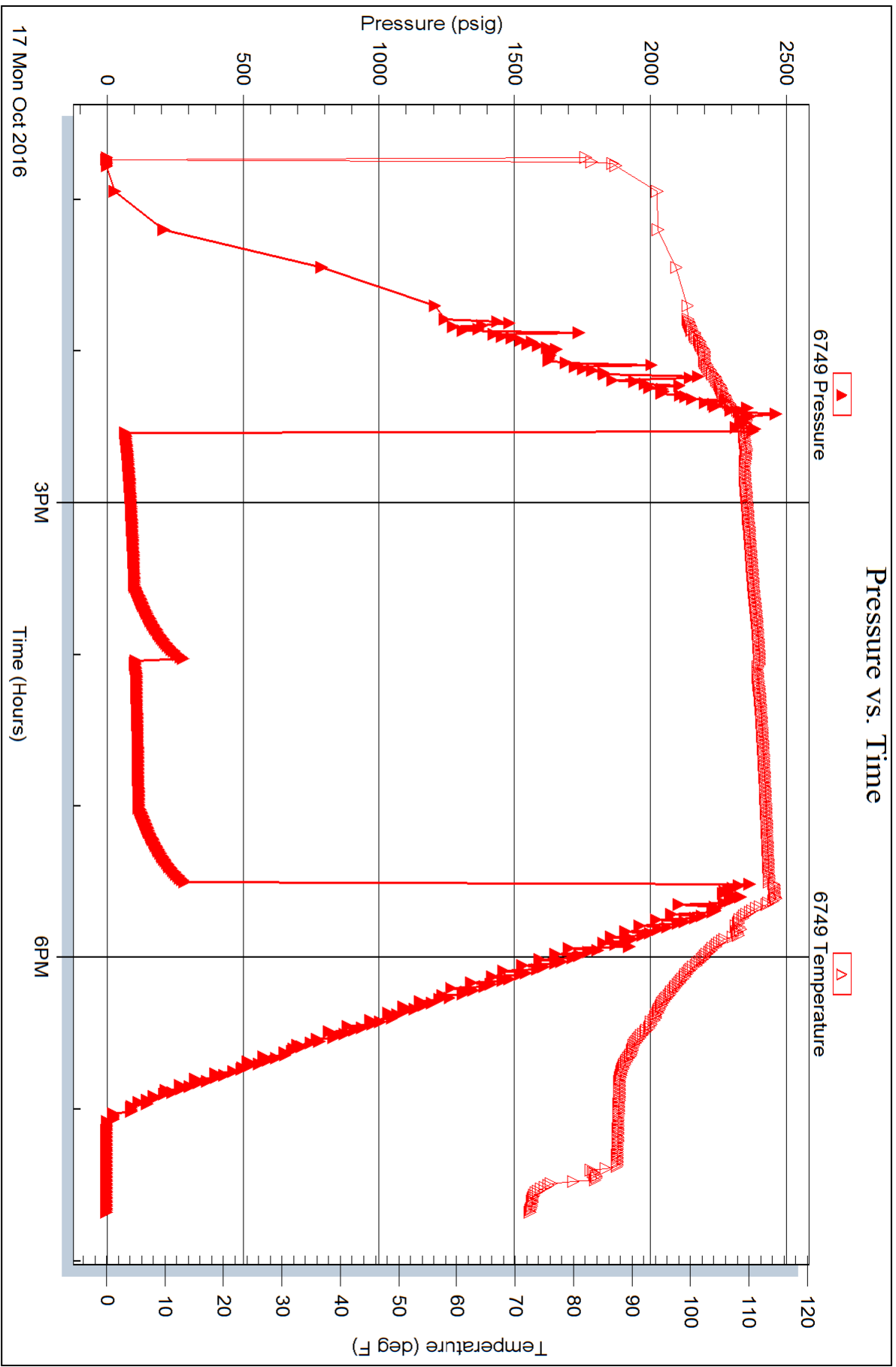


Serial #: 6749

Outside Lebsack Oil Production Inc.

Horton 2-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65623

Printed: 2016.10.17 @ 20:34:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc.

11-22-34 Finney Co KS

P.O.Box 354
Chase Ks 67524

Horton 2-11

Job Ticket: 65624

DST#: 3

ATTN: Josh Austin

Test Start: 2016.10.18 @ 19:50:15

GENERAL INFORMATION:

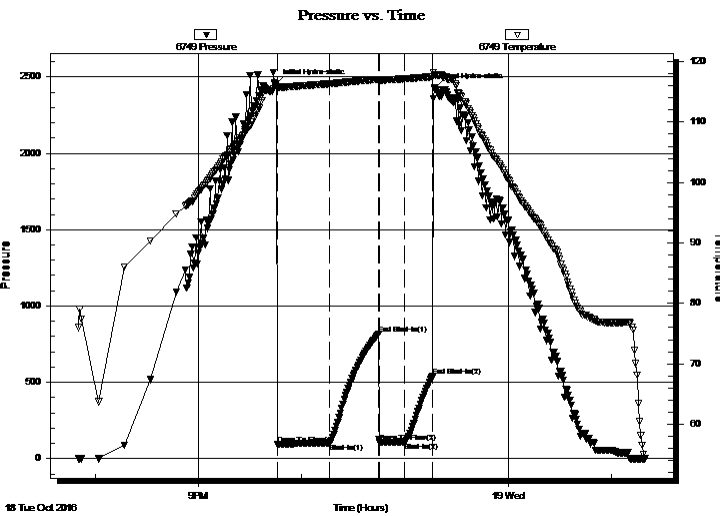
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:45:45
 Time Test Ended: 01:19:30
 Interval: **4746.00 ft (KB) To 4900.00 ft (KB) (TVD)**
 Total Depth: 4900.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 2936.00 ft (KB)
 2927.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6749

Outside

Press @ Run Depth: 109.64 psig @ 4880.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.18 End Date: 2016.10.19 Last Calib.: 2016.10.19
 Start Time: 19:50:15 End Time: 01:19:30 Time On Btm: 2016.10.18 @ 21:45:15
 Time Off Btm: 2016.10.18 @ 23:17:30

TEST COMMENT: IF: Built to 3/4" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.90	116.37	Initial Hydro-static
1	92.99	115.76	Open To Flow (1)
31	102.55	116.33	Shut-In(1)
60	816.06	117.07	End Shut-In(1)
60	105.41	116.88	Open To Flow (2)
75	109.64	117.15	Shut-In(2)
91	538.25	117.51	End Shut-In(2)
93	2431.96	117.77	Final Hydro-static

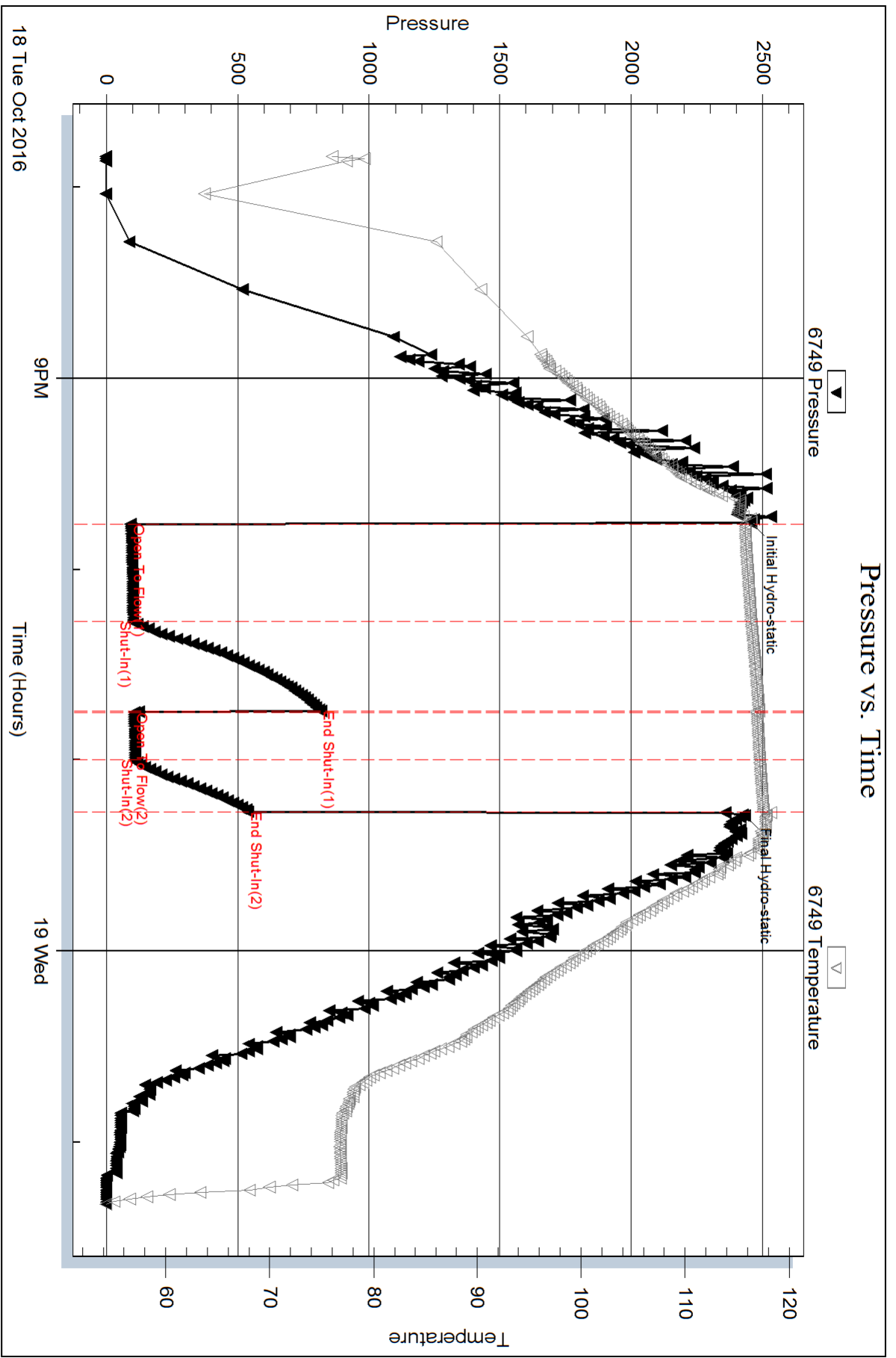
Recovery

Length (ft)	Description	Volume (bbl)
40.00	mud w ith oil spots 100% m	0.20

* Recovery from multiple tests

Gas Rates

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



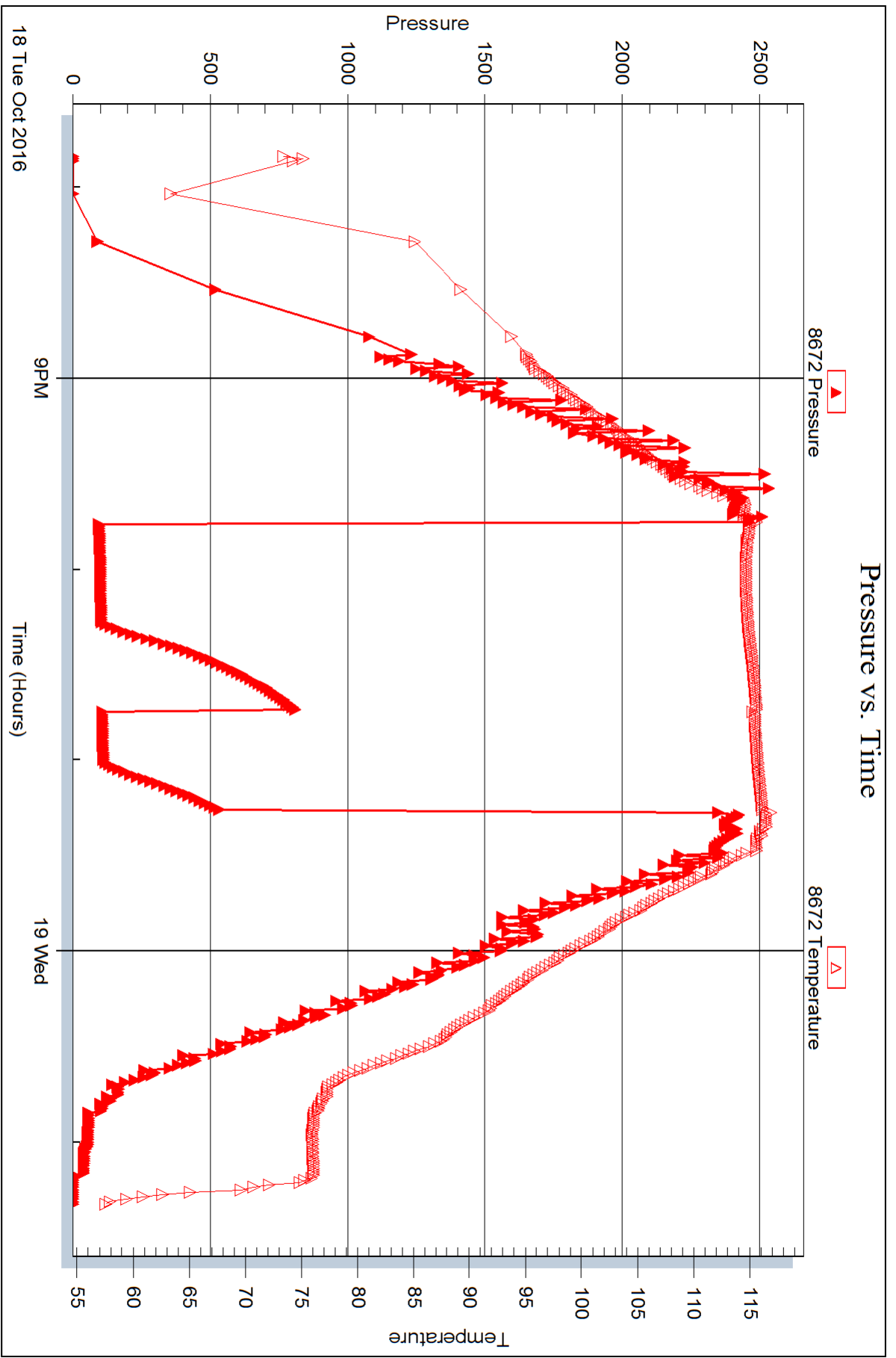
Serial #: 8672

Inside

Lebsack Oil Production Inc.

Horton 2-11

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 65624

Printed: 2016.10.19 @ 07:23:24