KOLAR Document ID: 1327014

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 # 5210
Name: Lebsack Oil Production Inc.
Address 1: PO BOX 354
Address 2:
City: CHASE State: KS Zip: 67524 + ____
Contact Person: Wayne Lebsack
Phone: (620) 938-2396
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Josh Austin
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 #:

12/09/2016	12/15/2016	12/21/2016
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-159-22835-00-00
Spot Description:
S2 - N2 - N2 - NW Sec. 34 Twp. 20 S. R. 10 ☐ East ☑ West
440 Feet from ☑ North / ☐ South Line of Section
1320 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rice
Lease Name: NORTH RIVER Well #: 6
Field Name:
Producing Formation: Lansing Kansas City
Elevation: Ground: 1718 Kelly Bushing: 1729
Total Vertical Depth: 3250 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 269 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: 2800 ppm Fluid volume: 160 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:
Operator Name: Bob's Oil Service
Lease Name: Sieker SWD License #: 32408
Quarter NW Sec. 35 Twp. 19 S. R. 11 ☐ East ☑ West
County: Barton Permit #: D26497.0

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: 02/14/2017
☑ **Confidential Release Date:** 02/14/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 02/15/2017

Operator Name: Lebsack Oil Production Inc. Lease Name: NORTH RIVER Well #: 6

Sec. 34 Twp. 20 S. R. 10 ☐ East ☑ West County: Rice

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☐ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Howard	2243	-714
Topeka	2544	-815
Heebner	2830	-1101
Br. Lime	2966	-1237
Lansing	2982	-1253
RTD	3250	-1521

CASING RECORD ☑ New ☐ 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
Surface	12.250	8.625	23	269	60/40 Poz	250	2% Gel 3% CC
Production	7.875	5.5	14	3232	AA-2	125	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3070-78	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD:	Size:	Set At:	Packer At:	
	2.875	3150		

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	NORTH RIVER 6
Doc ID	1327014

All Electric Logs Run

MICRO
ACRT
AHV
PROSITY

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	NORTH RIVER 6
Doc ID	1327014

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3070-78		

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	NORTH RIVER 6
Doc ID	1327014

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	8.625	23	269	60/40 Poz	250	2% Gel 3% CC
Production	7.875	5.5	14	3232	AA-2	125	

Joshua R. Austin

Petroleum Geologist

report for

Lebsack Oil Production, Inc.

COMPANY: LEBSACK OIL PRODUCTION INC.

LEASE: North River #6

FIELD: GROVE

SURFACE LOCATION: S2-N2-N2-NW (440' FNL & 1320' FWL)

SEC: 34 TWSP: 20s RGE: 10w

COUNTY: RICE STATE: KANSAS

KB: 1729' GL: 1718'

API # 15-159-22835-00-00

CONTRACTOR: STERLING DRILLING COMPANY (Rig #4)

Spud: 12/09/2016 Comp: 12/16/16

RTD: 3250 LTD: 3249

Mud Up: 2636' Type Mud: Chemical was displaced

Samples Saved From: 2400' to RTD

Geological Supervision From: 2750'to RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 269'

Production Casing: 5 1/2" @ 3232'

NOTES

On the basis of the positive sturctural position, drill stem test and after reviewing the electric logs, it was recommended by all parties involved in the North River #6 to run 5 1/2" production casing to further test the Lansing zone.

Lebsack Oil Production Inc.

well comparison sheet

DRILLING WELL	COMPARISON WELL	COMPARISON WELL

	North River 6				North River 1				North River 5			
	1729 KB				1729 KB		Structural Relationship		1725 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Howard	2445	-716	2443	-714	2448	-719	3	5	2442	-717	1	3
Topeka	2547	-818	2544	-815	2546	-817	-1	2	2543	-818	0	3
Heebner	2832	-1103	2830	-1101	2830	-1101	-2	0	2828	-1103	0	2
Douglas	2856	-1127	2853	-1124	2853	-1124	-3	0	2855	-1130	3	6
Brown Lime	2969	-1240	2966	-1237	2965	-1236	-4	-1	2960	-1235	-5	-2
Lansing	2983	-1254	2982	-1253	2988	-1259	5	6	2976	-1251	-3	-2
"F" Zone	3068	-1339	3065	-1336	3062	-1333	-6	-3	3058	-1333	-6	-3
Total Depth	3250	-1521	3249	-1520	3137	-1408			3248	-1523		

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63688 **DST#: 1**

Test Start: 2016.12.13 @ 04:34:00

GENERAL INFORMATION:

Formation: **Lansing zone C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:32:30
Time Test Ended: 10:28:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72 Great Bend/50

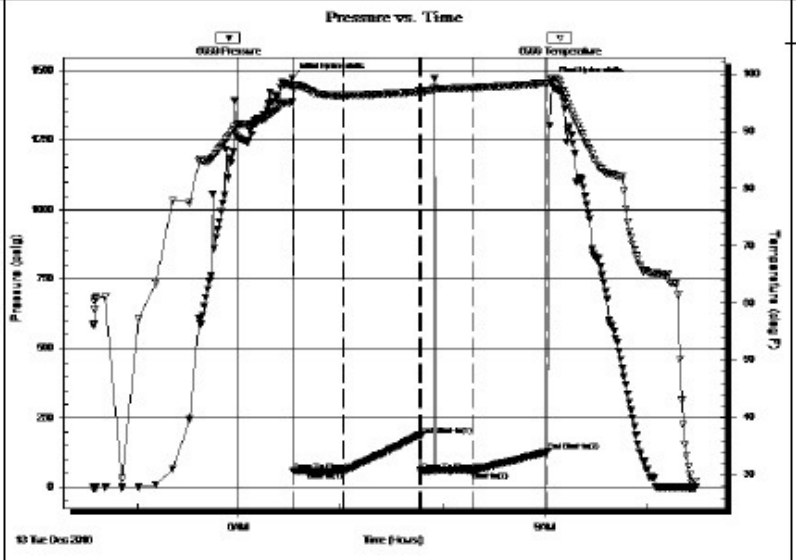
Interval: 3018.00 ft (KB) To 3038.00 ft (KB) (TVD)
Total Depth: 3038.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

Reference Elevations: 1729.00 ft (KB)
1718.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6999 **Inside**
Press@RunDepth: 60.37 psig @ 3034.00 ft (KB)
Start Date: 2016.12.13 End Date: 2016.12.13
Start Time: 04:34:05 End Time: 10:28:29

Capacity: 8000.00 psig
Last Calib.: 2016.12.13
Time On Btm: 2016.12.13 @ 06:31:30
Time Off Btm: 2016.12.13 @ 09:03:30

TEST COMMENT: I.F. 30 minutes/tool slide 10 foot/Blow at 6 inches at open built to 7 1/2 inches
I.S.I. 45 minutes/no blow back
F.F. 30 minutes/w eak intermittent surface blow /flush tool no help/ blow died in 13 minutes
F.S.I. 45 minutes/no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1473.23	95.05	Initial Hydro-static
1	59.35	97.31	Open To Flow (1)
30	57.63	96.19	Shut-In(1)
75	188.76	96.90	End Shut-In(1)
76	59.88	96.91	Open To Flow (2)
106	60.37	97.61	Shut-In(2)
150	130.17	98.34	End Shut-In(2)
152	1458.80	99.27	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
70.00	Mud with show of oil	0.34

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63689 **DST#: 2**

Test Start: 2016.12.13 @ 19:15:00

GENERAL INFORMATION:

Formation: **Lansing zone F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:50:30
Time Test Ended: 00:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72 Great Bend/50

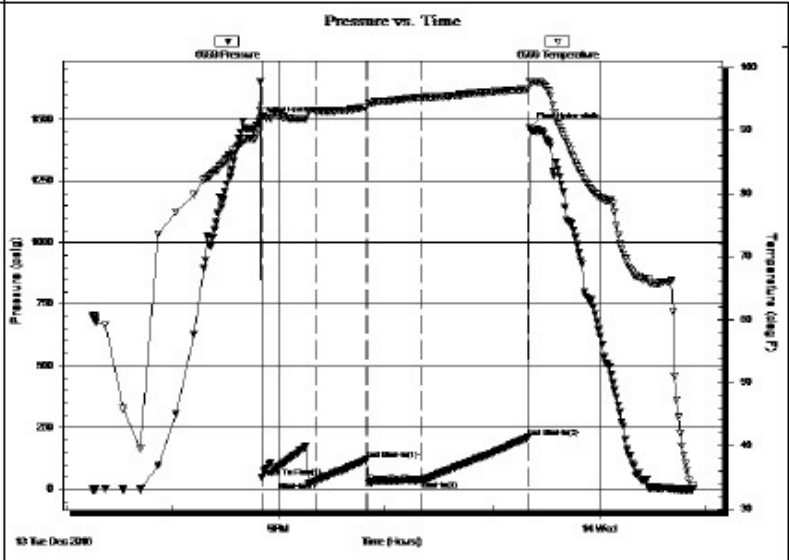
Interval: 3065.00 ft (KB) To 3080.00 ft (KB) (TVD)
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1729.00 ft (KB)
1718.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6999 **Inside**
Press@RunDepth: 34.45 psig @ 3076.00 ft (KB)
Start Date: 2016.12.13 End Date: 2016.12.14
Start Time: 19:15:05 End Time: 00:52:59

Capacity: 8000.00 psig
Last Calib.: 2016.12.14
Time On Btm: 2016.12.13 @ 20:49:00
Time Off Btm: 2016.12.13 @ 23:20:30

TEST COMMENT: I.F. 30 minutes/Light surging build to 5 1/2 inches/ Strong surge at 25 minutes to BOB
I.S.I. 30 minutes/Light surface blow back
F.F. 30 minutes/Surging build to BOB in 17 minutes
F.S.I. 60 minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1491.64	91.84	Initial Hydro-static
2	49.96	92.23	Open To Flow (1)
32	30.99	93.21	Shut-In(1)
61	120.05	93.62	End Shut-In(1)
62	27.52	94.35	Open To Flow (2)
91	34.45	95.28	Shut-In(2)
151	211.33	96.59	End Shut-In(2)
152	1463.76	97.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassy Emulsified Oily Mud	0.30
0.00	Gas 20% Oil 20% Mud 60%	0.00

Gas Rates

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

0.00	120 feet of gas in pipe	0.00

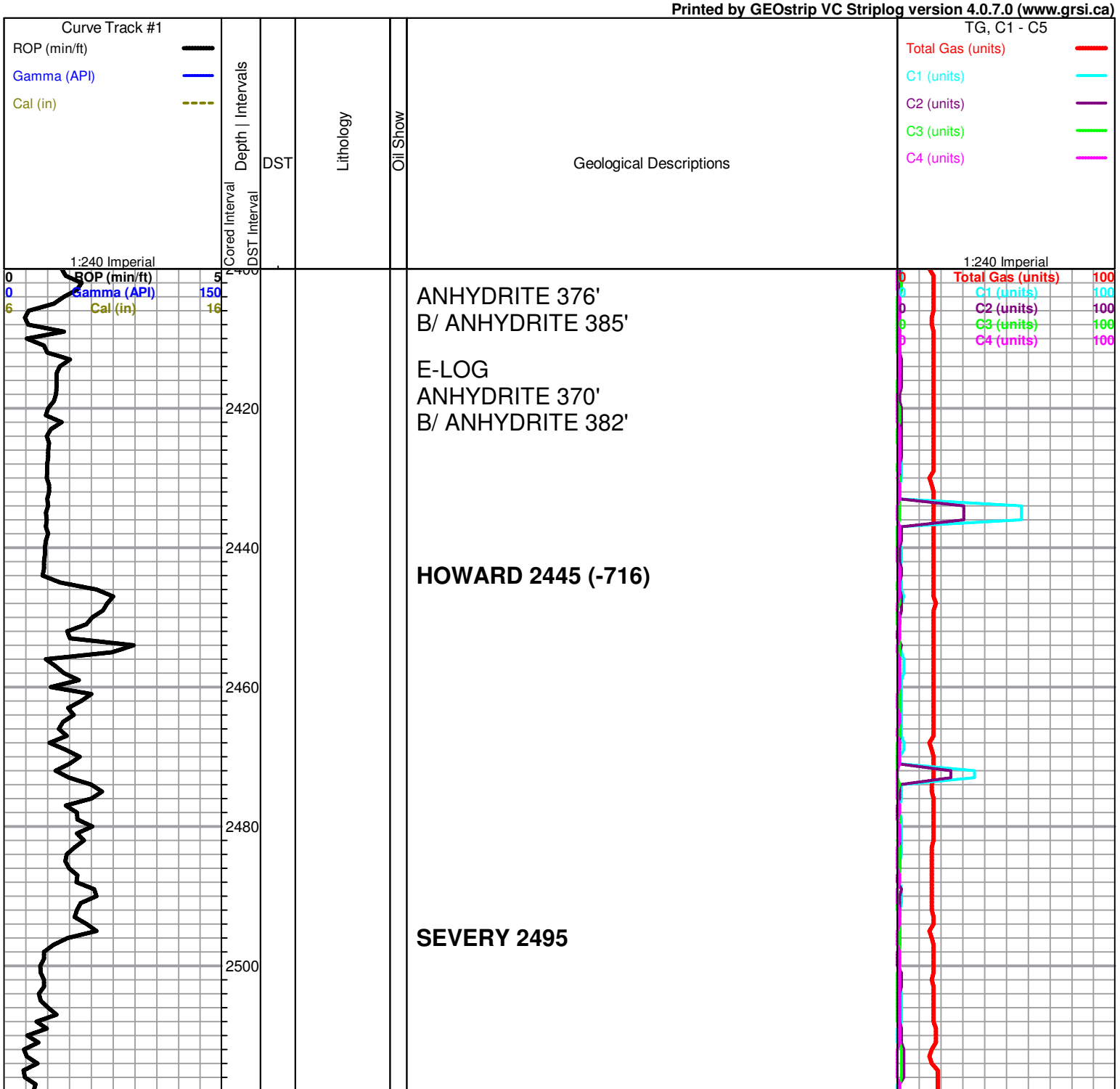
ROCK TYPES

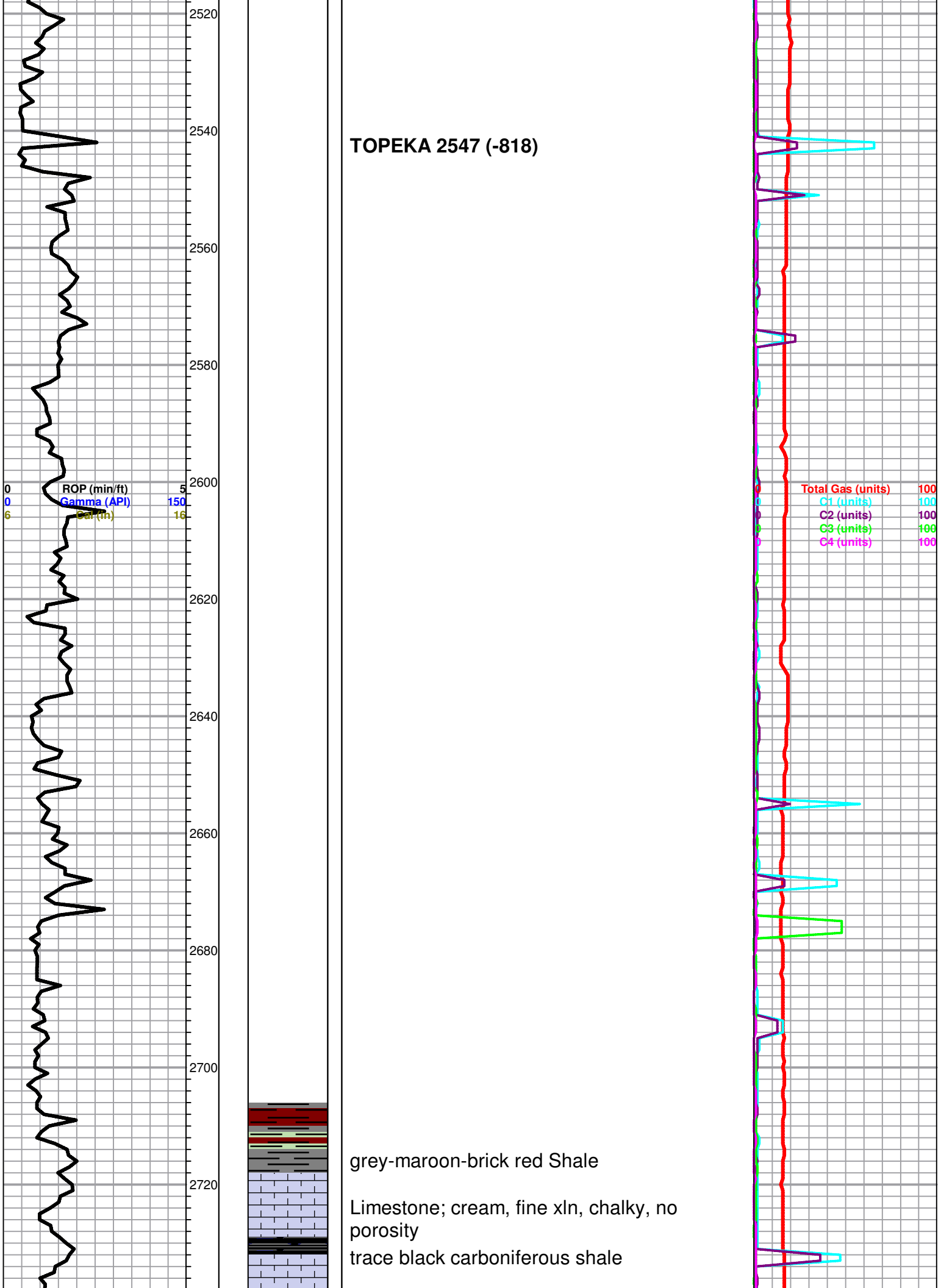
Lmst fw7>
shale, grn
shale, gry
Carbon Sh
shale, red

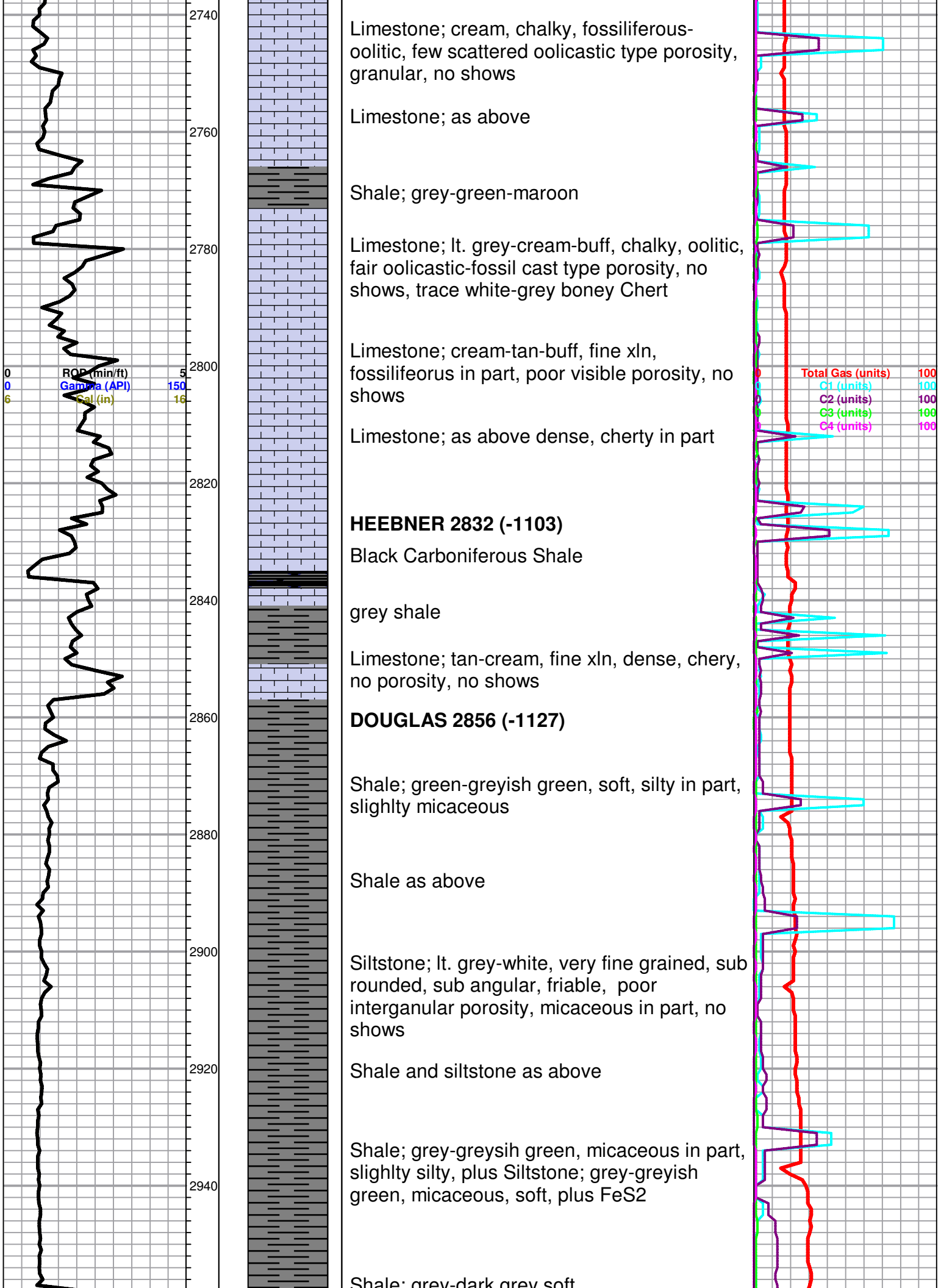
OTHER SYMBOLS

DST
DST Int
DST alt
Core
tail pipe

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




2520
2540
2560
2580
2600
2620
2640
2660
2680
2700
2720
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
TOPEKA 2547 (-818)
grey-maroon-brick red Shale
Limestone; cream, fine xln, chalky, no porosity
trace black carboniferous shale



Limestone; cream, chalky, fossiliferous-oolitic, few scattered oolicastic type porosity, granular, no shows

Limestone; as above

Shale; grey-green-maroon

Limestone; lt. grey-cream-buff, chalky, oolitic, fair oolicastic-fossil cast type porosity, no shows, trace white-grey boney Chert

Limestone; cream-tan-buff, fine xln, fossilifeorus in part, poor visible porosity, no shows

Limestone; as above dense, cherty in part

HEEBNER 2832 (-1103)

Black Carboniferous Shale

grey shale

Limestone; tan-cream, fine xln, dense, chery, no porosity, no shows

DOUGLAS 2856 (-1127)

Shale; green-greyish green, soft, silty in part, slighlty micaceous

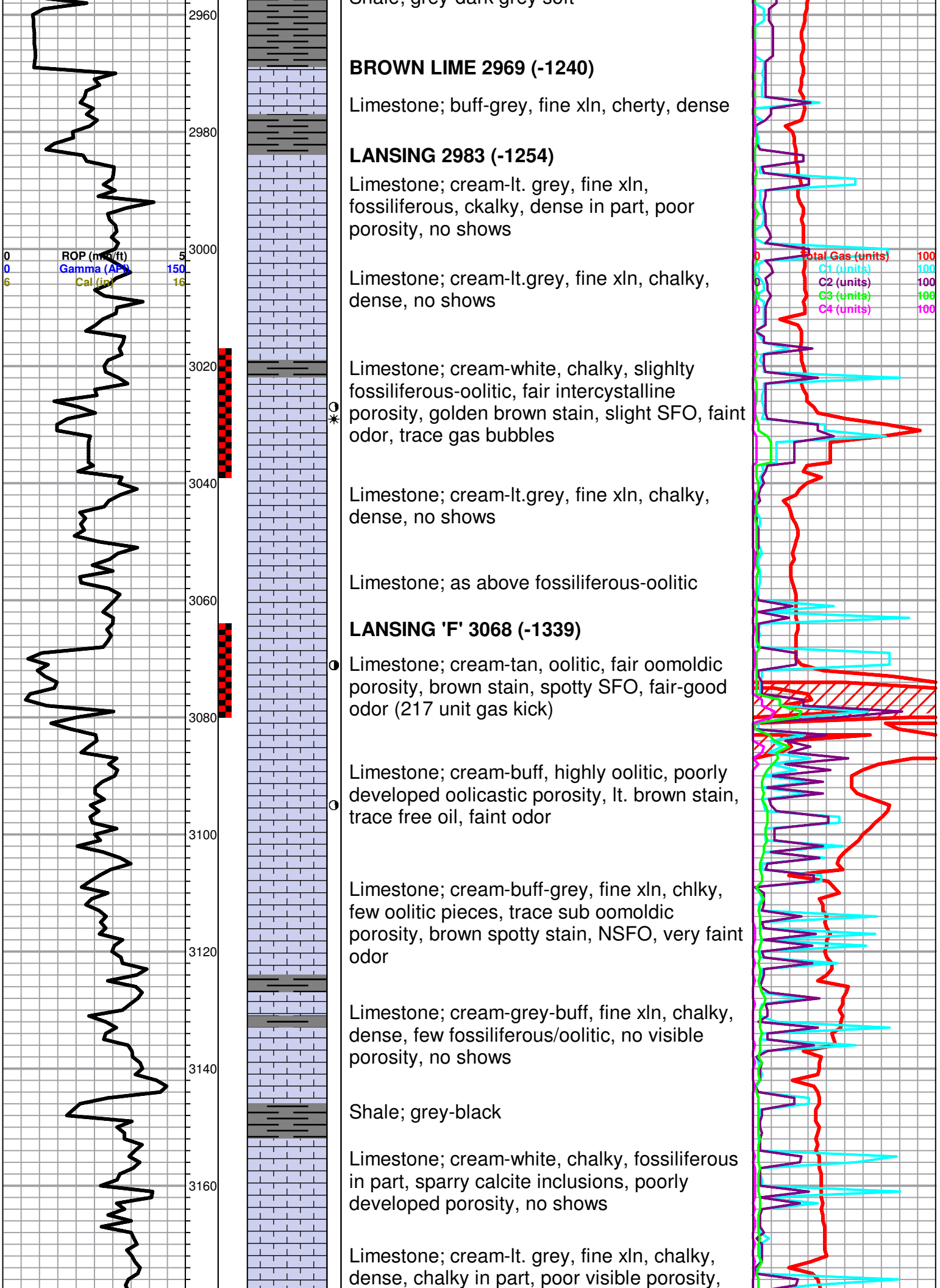
Shale as above

Siltstone; lt. grey-white, very fine grained, sub rounded, sub angular, friable, poor interganular porosity, micaceous in part, no shows

Shale and siltstone as above

Shale; grey-greysih green, micaceous in part, slighlty silty, plus Siltstone; grey-greyish green, micaceous, soft, plus FeS2

Shale; grey-dark grey soft



Shale; grey-dark grey soft

BROWN LIME 2969 (-1240)

Limestone; buff-grey, fine xln, cherty, dense

LANSING 2983 (-1254)

Limestone; cream-lt. grey, fine xln, fossiliferous, ckalky, dense in part, poor porosity, no shows

Limestone; cream-lt.grey, fine xln, chalky, dense, no shows

Limestone; cream-white, chalky, slighlty fossiliferous-oolitic, fair intercystalline porosity, golden brown stain, slight SFO, faint odor, trace gas bubbles

Limestone; cream-lt.grey, fine xln, chalky, dense, no shows

Limestone; as above fossiliferous-oolitic

LANSING 'F' 3068 (-1339)

Limestone; cream-tan, oolitic, fair oomoldic porosity, brown stain, spotty SFO, fair-good odor (217 unit gas kick)

Limestone; cream-buff, highly oolitic, poorly developed oolicastic porosity, lt. brown stain, trace free oil, faint odor

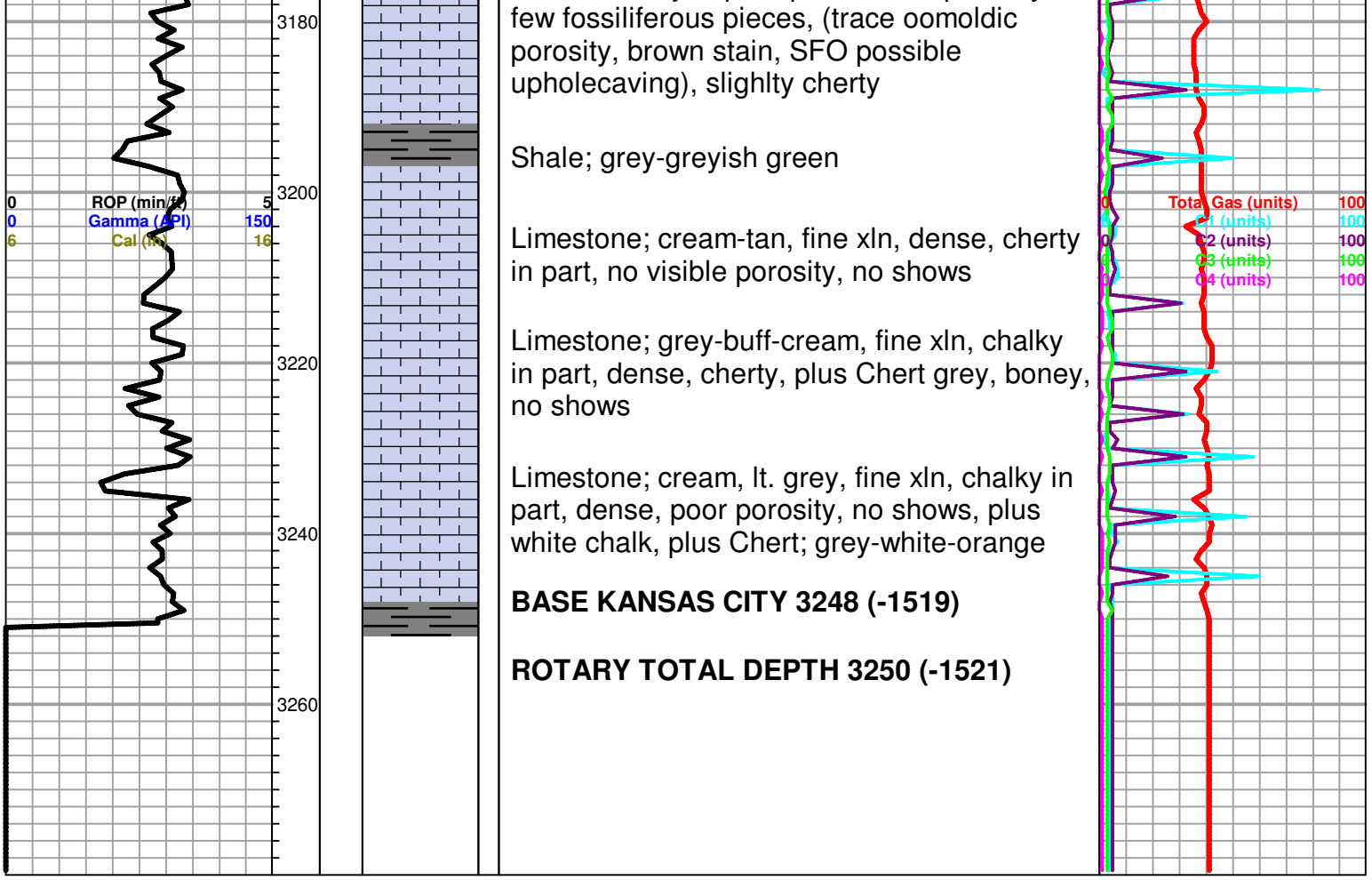
Limestone; cream-buff-grey, fine xln, chlky, few oolitic pieces, trace sub oomoldic porosity, brown spotty stain, NSFO, very faint odor

Limestone; cream-grey-buff, fine xln, chalky, dense, few fossiliferous/oolitic, no visible porosity, no shows

Shale; grey-black

Limestone; cream-white, chalky, fossiliferous in part, sparry calcite inclusions, poorly developed porosity, no shows

Limestone; cream-lt. grey, fine xln, chalky, dense, chalky in part, poor visible porosity,



few fossiliferous pieces, (trace oomoldic porosity, brown stain, SFO possible upholecaving), slighlty cherty

Shale; grey-greyish green

Limestone; cream-tan, fine xln, dense, cherty in part, no visible porosity, no shows

Limestone; grey-buff-cream, fine xln, chalky in part, dense, cherty, plus Chert grey, boney, no shows

Limestone; cream, lt. grey, fine xln, chalky in part, dense, poor porosity, no shows, plus white chalk, plus Chert; grey-white-orange

BASE KANSAS CITY 3248 (-1519)

ROTARY TOTAL DEPTH 3250 (-1521)

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Lebsack Oil Production Inc	Lease No.	Date: 12/10/2016	
Lease: North River	Well #: 6		
Field Order #: 13446	Station: Pratt, KS	Casing: 8 5/8	Depth: 269
County: Rice	State: KS		
Type Job: 2 42/ 8 5/8 Surface	Formation: TD-273	Legal Description: 34-20-10	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 269	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 17	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 269	Packer Depth	From	To	Flush: Freshwater	Gas Volume		Total Load

Customer Representative: Lonny Sallows | Station Manager: Kevin Gordley | Treater: Dorin Franklin

Service Units	92911	54881	19843	19889	19918						
Driver Names	Dorin	McCrew	McCrew	McGuire	McGuire						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00pm					On Location / Safety Meeting
					8 5/8 Casing - 269'
					250 sk 60/40 POZ, 2% Gel, 3% cc
					¼ # Cellflake 14.8ppg, 1.21 Yield, 5.18 Wtr
2:45pm	400		3	5	Pump 3 bbls water
	400		54	5	mix 250sk Cement
	400		16	5	Displace Freshwater
3:15pm					Shut in
					Cement did circulate - 5 bbls
					Job complete / Dorin & crew
					Thank you!!

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Lebsack Oil Production	Lease No.		Date: 12/15/16
Lease: North River	Well #: 6		
Field Order #: 14879A	Station: Pratt KS	Casing: 5½	Depth: 3232
County: Rice	State: KS		
Type Job: 5½ Long string	Formation		Legal Description: 34-20-10

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 3232	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 76.9216	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: 5½	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 3223	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: Laney			Station Manager: Kevin Gordley			Treater: Scott Graves					
Service Units	38950	78982	86779	84980	19860						
Driver Names	Scott	Josh	—	EJ	—						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:15					On Location Safety Meeting Rig up
4:30					Run Float Equip. 1,3,5,7,9,72
6:15					Break Circulation
7:23	200			5	Pump H20 Spacer
7:24	200		5	5	Pump Mud Flush 500 gallons
7:27	200		12	5	Pump H20 Spacer
7:28	450		5	6	Mix 125sks AA2 15ppg.
7:35			31.6		Shut down
7:36					Wash Pump + lines clean
7:37					Release Plug
7:37	250			7	Start Displacement
7:44	450		56	7	Lift Pressure
7:46	450		10	3.5	Reduce Rate
7:48	1550		10.6	3.5	Plug landed Increase Pressure
7:48	1550			0	Shut down Pressure Held
7:49	0				Release Pressure No Returns
7:55	0		8	3	Plug Rat hole 30sks 60/40 poz
8:00	0		5	3	Plug Mouse hole 20sks 60/40 poz
8:15					Wash Pump
					Job Complete

DRILL STEM TEST REPORT

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63688 **DST#: 1**

Test Start: 2016.12.13 @ 04:34:00

GENERAL INFORMATION:

Formation: **Lansing zone C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:32:30
Time Test Ended: 10:28:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72 Great Bend/50

Interval: 3018.00 ft (KB) To 3038.00 ft (KB) (TVD)
Total Depth: 3038.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

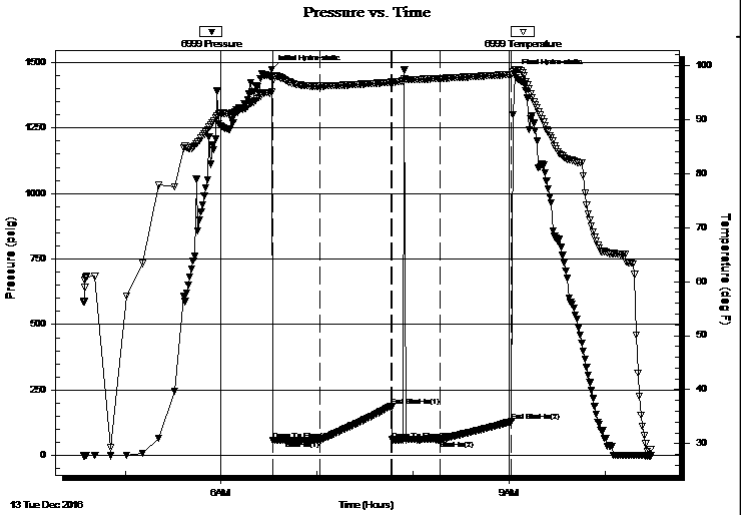
Reference Elevations: 1729.00 ft (KB)
1718.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6999 **Inside**

Press@RunDepth: 60.37 psig @ 3034.00 ft (KB)
Start Date: 2016.12.13 End Date: 2016.12.13
Start Time: 04:34:05 End Time: 10:28:29

Capacity: 8000.00 psig
Last Calib.: 2016.12.13
Time On Btm: 2016.12.13 @ 06:31:30
Time Off Btm: 2016.12.13 @ 09:03:30

TEST COMMENT: I.F. 30 minutes/tool slide 10 foot/Blow at 6 inches at open built to 7 1/2 inches
I.S.I. 45 minutes/no blow back
F.F. 30 minutes/weak intermittent surface blow /flush tool no help/ blow died in 13 minutes
F.S.I. 45 minutes/no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1473.23	95.05	Initial Hydro-static
1	59.35	97.31	Open To Flow (1)
30	57.63	96.19	Shut-In(1)
75	188.76	96.90	End Shut-In(1)
76	59.88	96.91	Open To Flow (2)
106	60.37	97.61	Shut-In(2)
150	130.17	98.34	End Shut-In(2)
152	1458.80	99.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud with show of oil	0.34

Gas Rates

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

DRILL STEM TEST REPORT

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63688 **DST#: 1**

Test Start: 2016.12.13 @ 04:34:00

GENERAL INFORMATION:

Formation: **Lansing zone C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:32:30
Time Test Ended: 10:28:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72 Great Bend/50

Interval: 3018.00 ft (KB) To 3038.00 ft (KB) (TVD)
Total Depth: 3038.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Poor

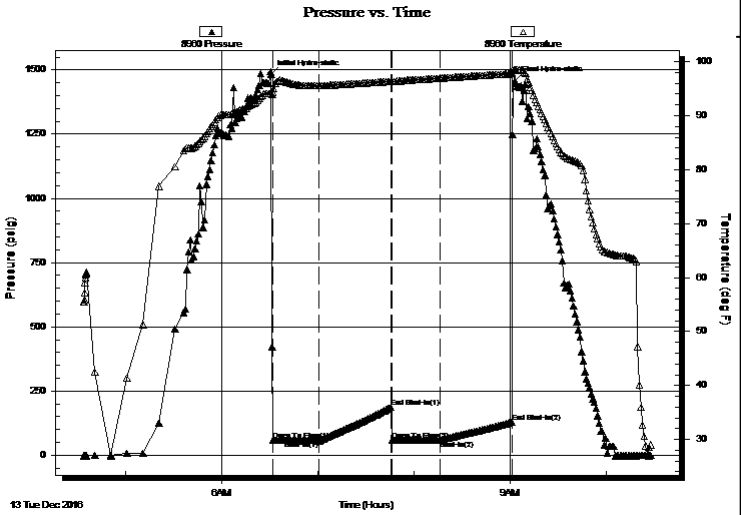
Reference Elevations: 1729.00 ft (KB)
1718.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8960 **Outside**

Press@RunDepth: 128.76 psig @ 3035.00 ft (KB)
Start Date: 2016.12.13 End Date: 2016.12.13
Start Time: 04:34:05 End Time: 10:27:59

Capacity: 8000.00 psig
Last Calib.: 2016.12.13
Time On Btm: 2016.12.13 @ 06:31:00
Time Off Btm: 2016.12.13 @ 09:03:00

TEST COMMENT: I.F. 30 minutes/tool slide 10 foot/Blow at 6 inches at open built to 7 1/2 inches
I.S.I. 45 minutes/no blow back
F.F. 30 minutes/weak intermittent surface blow /flush tool no help/ blow died in 13 minutes
F.S.I. 45 minutes/no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1483.43	94.18	Initial Hydro-static
1	58.26	94.33	Open To Flow (1)
30	56.76	95.55	Shut-In(1)
75	187.41	96.33	End Shut-In(1)
76	58.59	96.26	Open To Flow (2)
106	59.00	96.93	Shut-In(2)
150	128.76	97.75	End Shut-In(2)
152	1456.99	98.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud with show of oil	0.34

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63688 **DST#: 1**

Test Start: 2016.12.13 @ 04:34:00

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

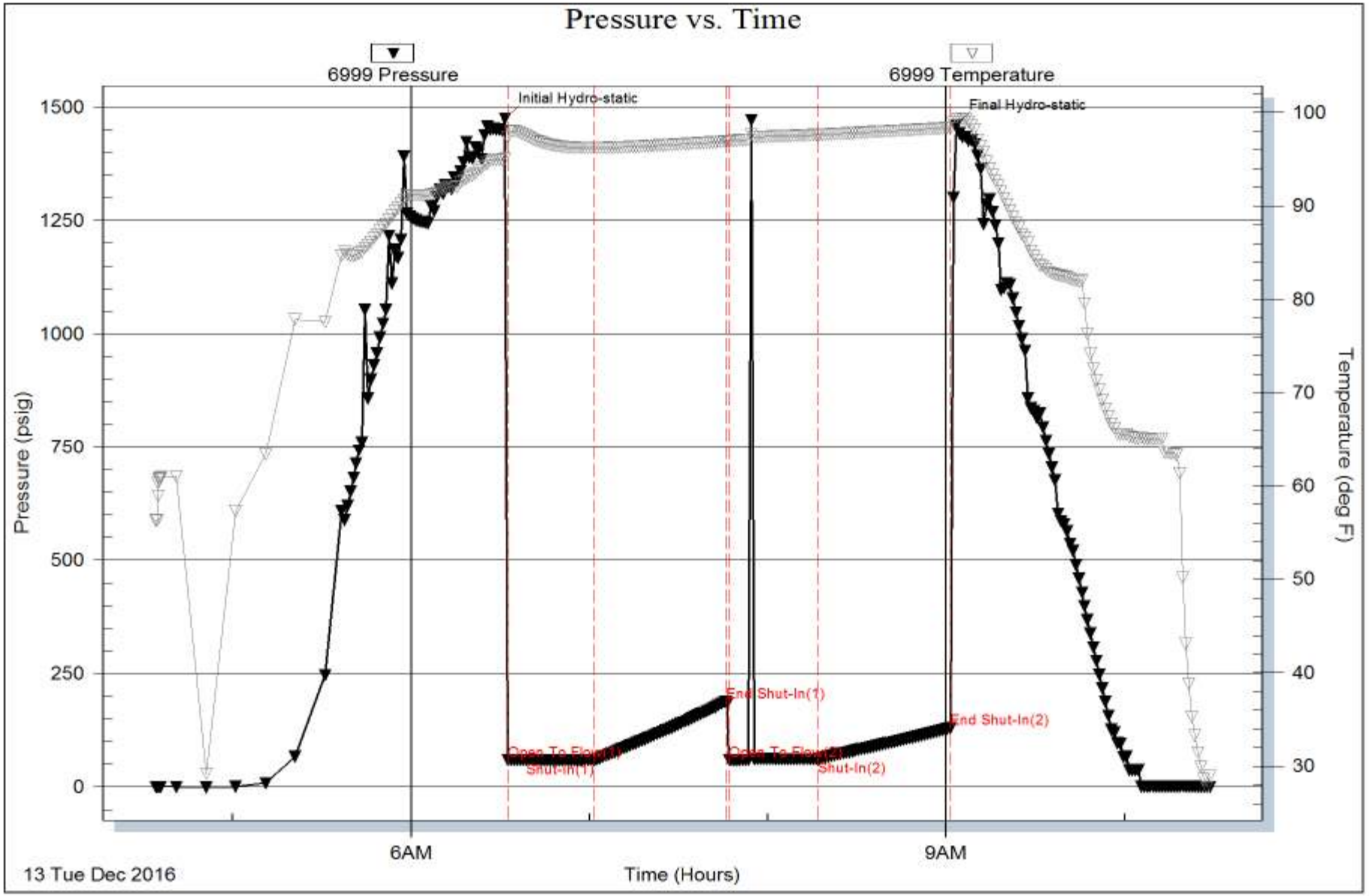
Recovery Table

Length ft	Description	Volume bbl
70.00	Mud with show of oil	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

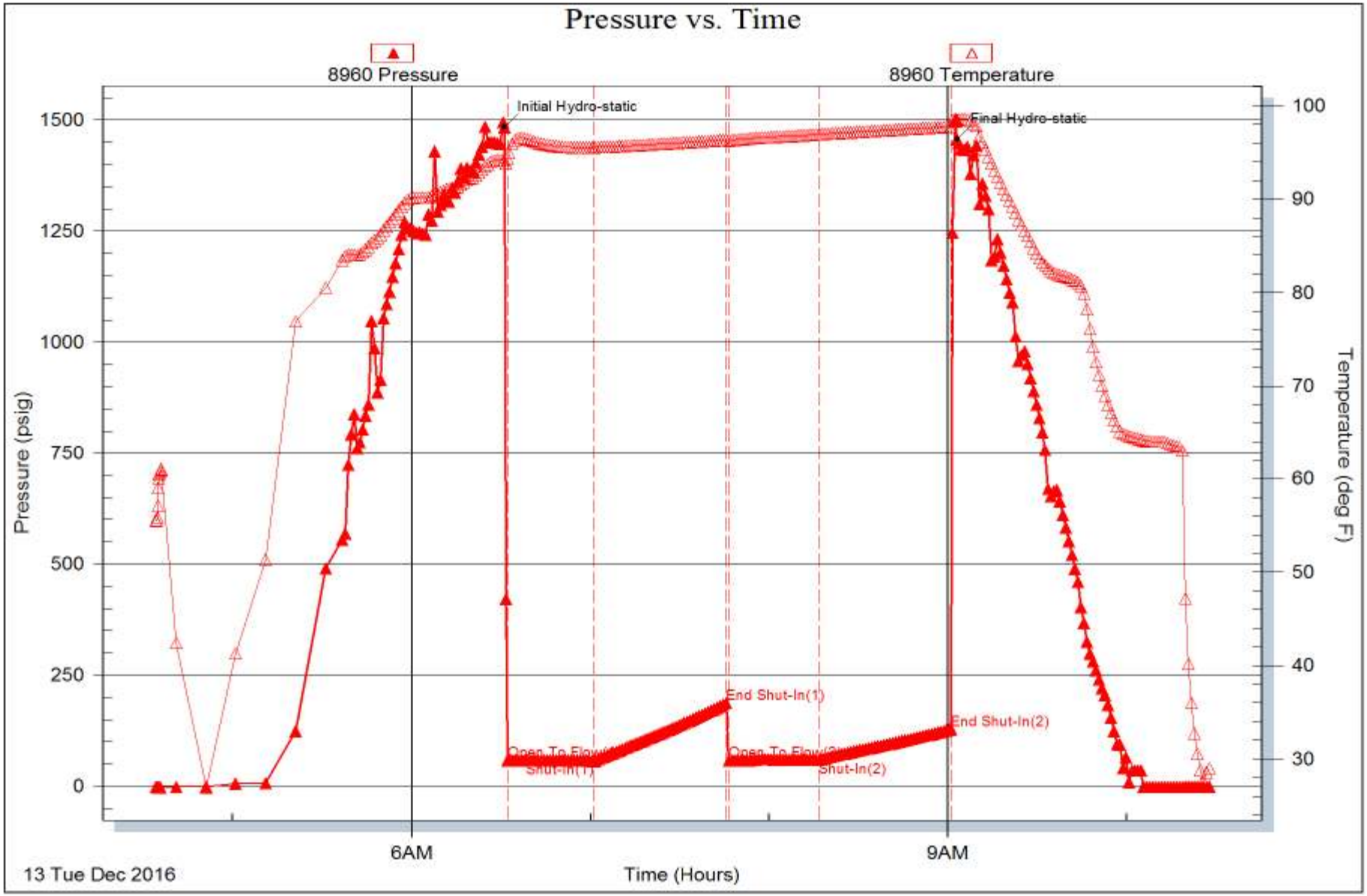
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6999 **Inside** Lebsack Oil Productions Inc. North River #6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63688 Printed: 2016.12.13 @ 11:34:20

Serial #: 8960 **Outside** Lebsack Oil Productions Inc. North River #6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63688 Printed: 2016.12.13 @ 11:34:20

DRILL STEM TEST REPORT

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63689 **DST#: 2**

Test Start: 2016.12.13 @ 19:15:00

GENERAL INFORMATION:

Formation: **Lansing zone F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:50:30
Time Test Ended: 00:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72 Great Bend/50

Interval: 3065.00 ft (KB) To 3080.00 ft (KB) (TVD)
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

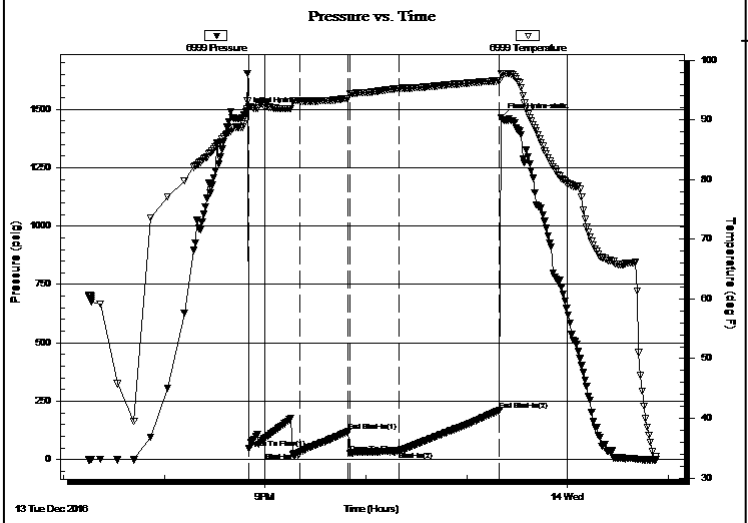
Reference Elevations: 1729.00 ft (KB)
1718.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6999 **Inside**

Press@RunDepth: 34.45 psig @ 3076.00 ft (KB)
Start Date: 2016.12.13 End Date: 2016.12.14
Start Time: 19:15:05 End Time: 00:52:59

Capacity: 8000.00 psig
Last Calib.: 2016.12.14
Time On Btm: 2016.12.13 @ 20:49:00
Time Off Btm: 2016.12.13 @ 23:20:30

TEST COMMENT: I.F. 30 minutes/Light surging build to 5 1/2 inches/ Strong surge at 25 minutes to BOB
I.S.I. 30 minutes/Light surface blow back
F.F. 30 minutes/Surging build to BOB in 17 minutes
F.S.I. 60 minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1491.64	91.84	Initial Hydro-static
2	49.96	92.23	Open To Flow (1)
32	30.99	93.21	Shut-In(1)
61	120.05	93.62	End Shut-In(1)
62	27.52	94.35	Open To Flow (2)
91	34.45	95.28	Shut-In(2)
151	211.33	96.59	End Shut-In(2)
152	1463.76	97.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassy Emulsified Oily Mud	0.30
0.00	Gas 20% Oil 20% Mud 60%	0.00
0.00	120 feet of gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63689 **DST#: 2**

Test Start: 2016.12.13 @ 19:15:00

GENERAL INFORMATION:

Formation: **Lansing zone F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:50:30
Time Test Ended: 00:53:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72 Great Bend/50

Interval: 3065.00 ft (KB) To 3080.00 ft (KB) (TVD)
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

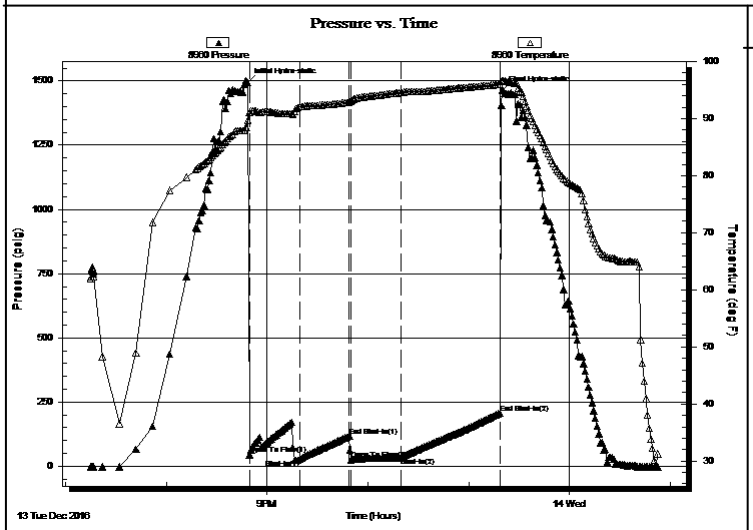
Reference Elevations: 1729.00 ft (KB)
1718.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8960 **Outside**

Press@RunDepth: 207.92 psig @ 3077.00 ft (KB)
Start Date: 2016.12.13 End Date: 2016.12.14
Start Time: 19:15:05 End Time: 00:52:29

Capacity: 8000.00 psig
Last Calib.: 2016.12.14
Time On Btm: 2016.12.13 @ 20:48:30
Time Off Btm: 2016.12.13 @ 23:20:00

TEST COMMENT: I.F. 30 minutes/Light surging build to 5 1/2 inches/ Strong surge at 25 minutes to BOB
I.S.I. 30 minutes/Light surface blow back
F.F. 30 minutes/Surging build to BOB in 17 minutes
F.S.I. 60 minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1492.80	89.76	Initial Hydro-static
1	45.09	91.10	Open To Flow (1)
31	27.42	92.07	Shut-In(1)
61	118.78	92.93	End Shut-In(1)
62	25.70	93.00	Open To Flow (2)
92	34.47	94.59	Shut-In(2)
150	207.92	95.99	End Shut-In(2)
152	1462.74	96.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassy Emulsified Oily Mud	0.30
0.00	Gas 20% Oil 20% Mud 60%	0.00
0.00	120 feet of gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Productions Inc.

PO Box 354
Chase, Kansas 67524

ATTN: Josh Austin

34/20S/10W/Rice

North River #6

Job Ticket: 63689 **DST#: 2**

Test Start: 2016.12.13 @ 19:15:00

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.17 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Gassy Emulsified Oily Mud	0.295
0.00	Gas 20% Oil 20% Mud 60%	0.000
0.00	120 feet of gas in pipe	0.000

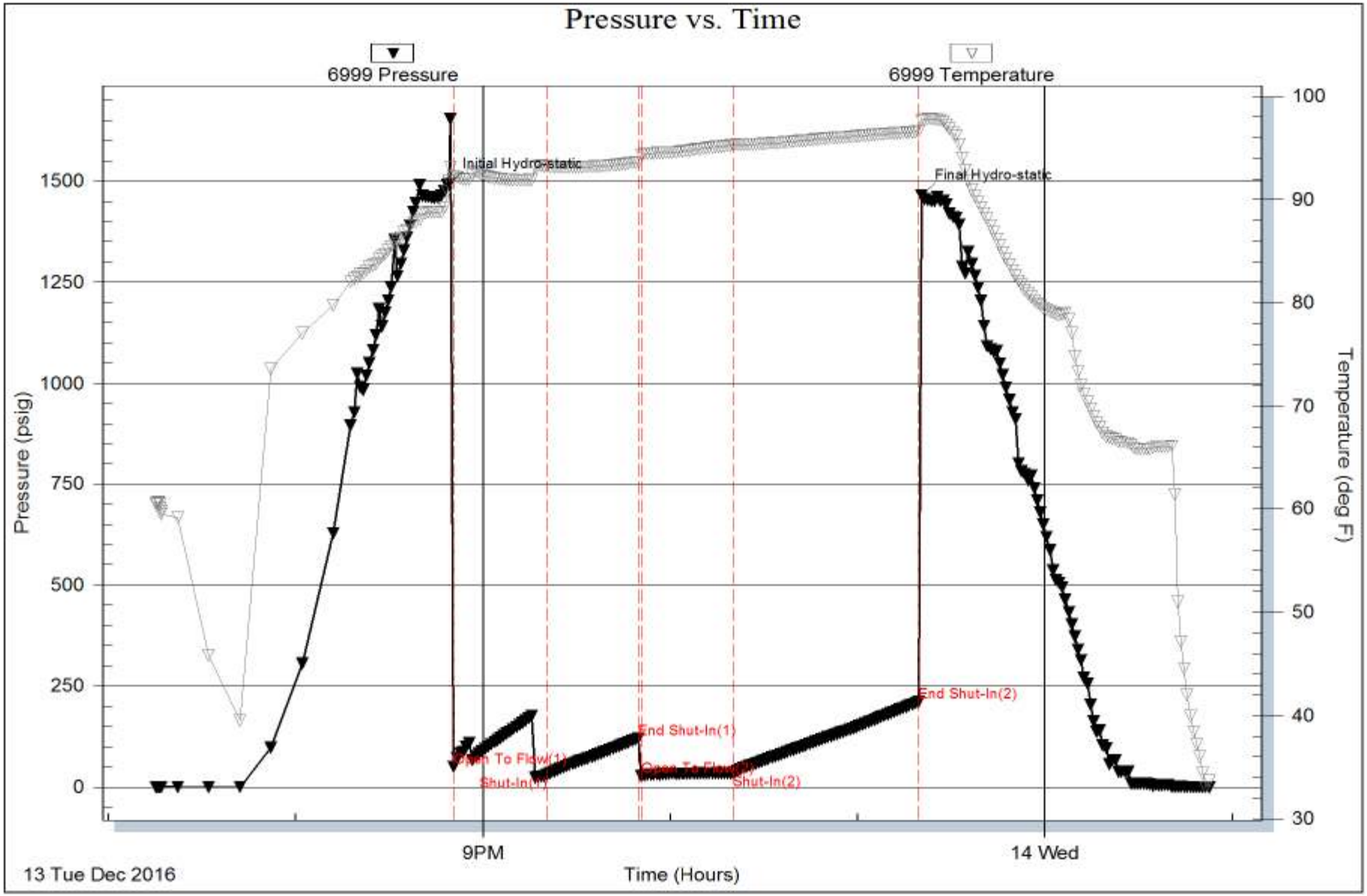
Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

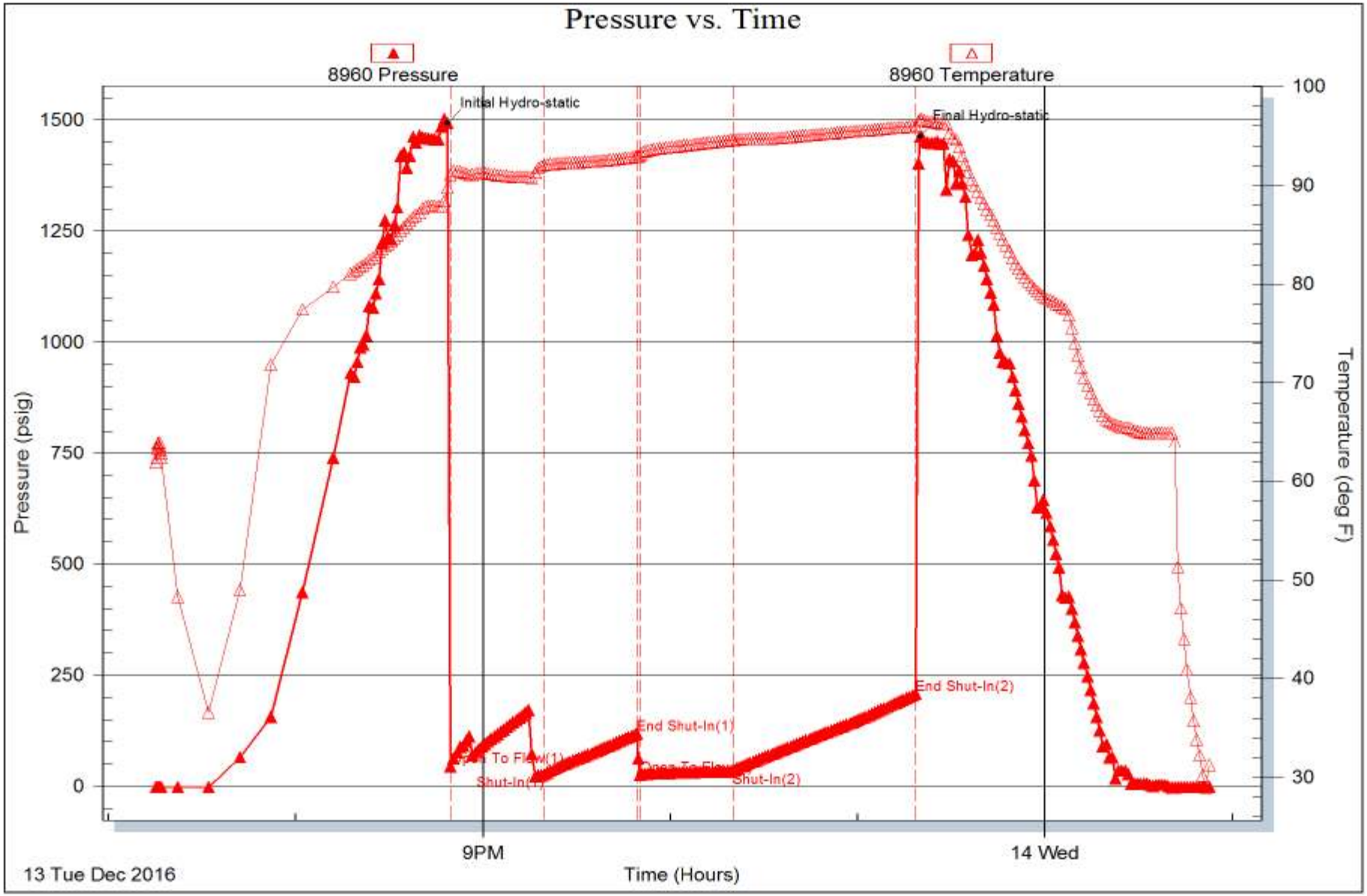
Recovery Comments: tool plugged during initial flow

Serial #: 6999 **Inside** Lebsack Oil Productions Inc. North River #6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63689 Printed: 2016.12.14 @ 07:37:30

Serial #: 8960 **Outside** Lebsack Oil Productions Inc. North River #6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63689 Printed: 2016.12.14 @ 07:37:30