



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: LEBSACK OIL PRODUCTION INC.

LEASE: North River # 3

FIELD: GROVE

SURFACE LOCATION: 2000' FNL & 660' FWL
N2-S2-SW-NW

SEC: 34 TWSP: 20s RGE: 10w

COUNTY: RICE STATE: KANSAS

KB: 1728' GL: 1719'

API # 15-159-22790-00-00

CONTRACTOR: STERLING DRILLING COMPANY (Rig #4)

Spud: 08/16/2014 Comp: 08/21/2014

RTD: 3308 LTD: 3306

Mud Up: 2671' Type Mud: Chemical was displaced

Samples Saved From: 2200' to RTD

Geological Supervision From: 2300' to RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 306'

Production Casing: 5 1/2" @ 3302'

NOTES

On the basis of the positive structural position and drill stem test, it was recommended by all parties involved in the North River #3 to set 5 1/2" casing to further test the Lansing.

Lebsack Oil Production Inc. well comparison sheet

DRILLING WELL

COMPARISON WELL

COMPARISON WELL

1728 KB					1731 KB				Structural Relationship		1724 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log		
Tarkio	2221	-493	2218	-490	2227	-496	3	6	2215	-491	-2	1		
Elmont	2288	-560	2286	-558	2296	-565	5	7	2284	-560	0	2		
Howard	2444	-716	2442	-714	2451	-720	4	6	2440	-716	0	2		
Topeka	2543	-815	2540	-812	2552	-821	6	9	2537	-813	-2	1		
Heebner	2829	-1101	2826	-1098	2834	-1103	2	5	2820	-1096	-5	-2		
Douglas	2855	-1127	2852	-1124	2861	-1130	3	6	2846	-1122	-5	-2		
Brown Lime	2965	-1237	2962	-1234	2969	-1238	1	4	2955	-1231	-6	-3		
Lansing	2981	-1253	2978	-1250	2986	-1255	2	5	2976	-1252	-1	2		
"F" Zone	3066	-1338	3062	-1334	3070	-1339	1	5	3052	-1328	-10	-6		
BKC	3249	-1521	3245	-1517	3251	-1520	-1	3	3240	-1516	-5	-1		
Viola	3272	-1544	3268	-1540	3272	-1541	-3	1	3264	-1540	-4	0		
Simpson	3291	-1563			3293	-1562	-1		3285	-1561	-2			
Total Depth	3308	-1580	3306	-1578	3377	-1646			3362	-1638				



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production

34-20S-10W Rice

PO Box 354
Chase, KS 67524

North River 3

ATTN: Josh Austin

Job Ticket: 51823

DST#: 1

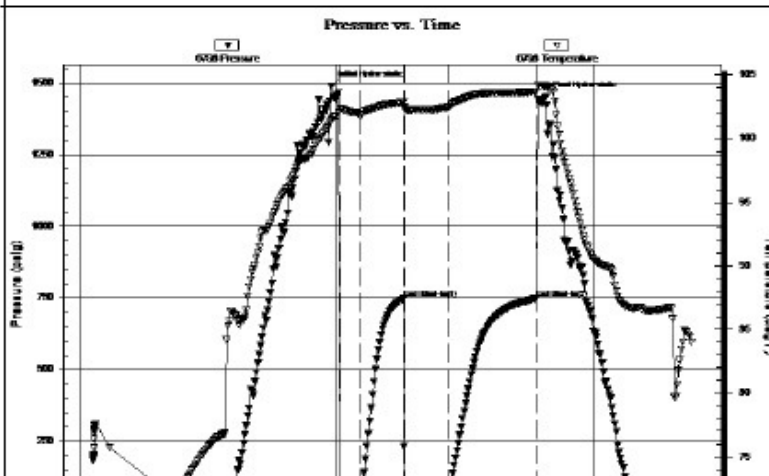
Test Start: 2014.08.20 @ 03:08:44

GENERAL INFORMATION:

Formation: Lansing "F"
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:02:44
 Tester: Leal Cason
 Time Test Ended: 10:08:44
 Unit No: 74
 Interval: 3060.00 ft (KB) To 3078.00 ft (KB) (TVD)
 Reference Elevations: 1728.00 ft (KB)
 Total Depth: 3078.00 ft (KB) (TVD)
 1719.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 9.00 ft

Serial #: 6798 Inside
 Press@RunDepth: 69.73 psig @ 3061.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2014.08.20
 End Date: 2014.08.20
 Last Calib.: 2014.08.20
 Start Time: 03:08:45
 End Time: 10:08:44
 Time On Btm: 2014.08.20 @ 05:56:29
 Time Off Btm: 2014.08.20 @ 08:25:44

TEST COMMENT: IF: Strong Blow, BOB in 45 seconds
 IS: No Blow Back
 FF: Strong Blow, BOB in 30 seconds
 FS: No Blow Back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1489.34	101.41	Initial Hydro-static
7	26.39	102.38	Open To Flow (1)
21	40.43	101.85	Shut-In(1)
51	748.00	102.85	End Shut-In(1)
52	29.49	102.48	Open To Flow (2)
82	69.73	102.48	Shut-In(2)
143	748.04	103.68	End Shut-In(2)
150	1451.19	104.13	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
0.00	1954 GIP	0.00
217.00	GMWCO 60%G 6%M 12%W 22%O	1.07

Gas Rates

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

ROCK TYPES

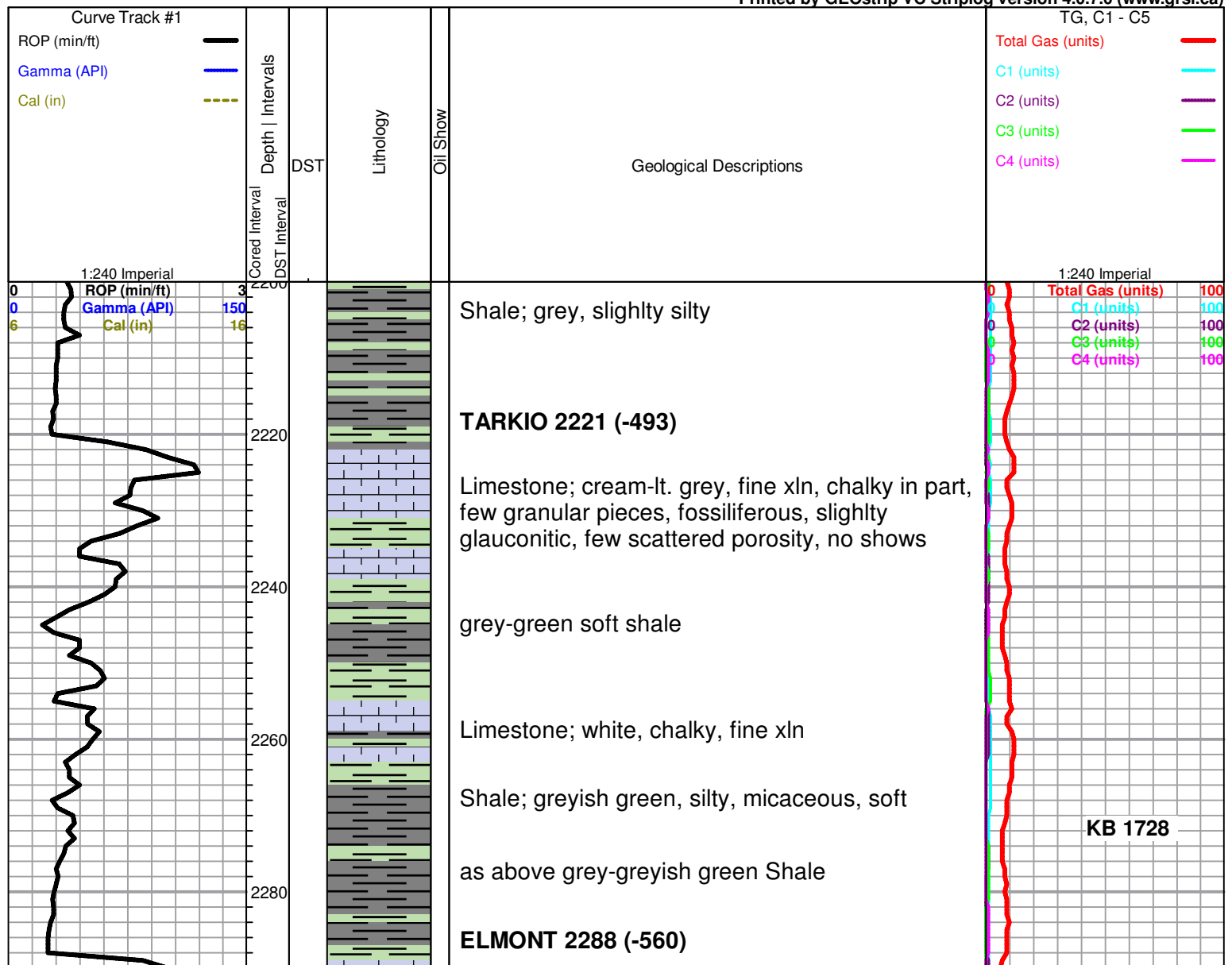
Cht	shale, grn	Carbon Sh	Slst
Lmst fw7>	shale, gry	Ss	

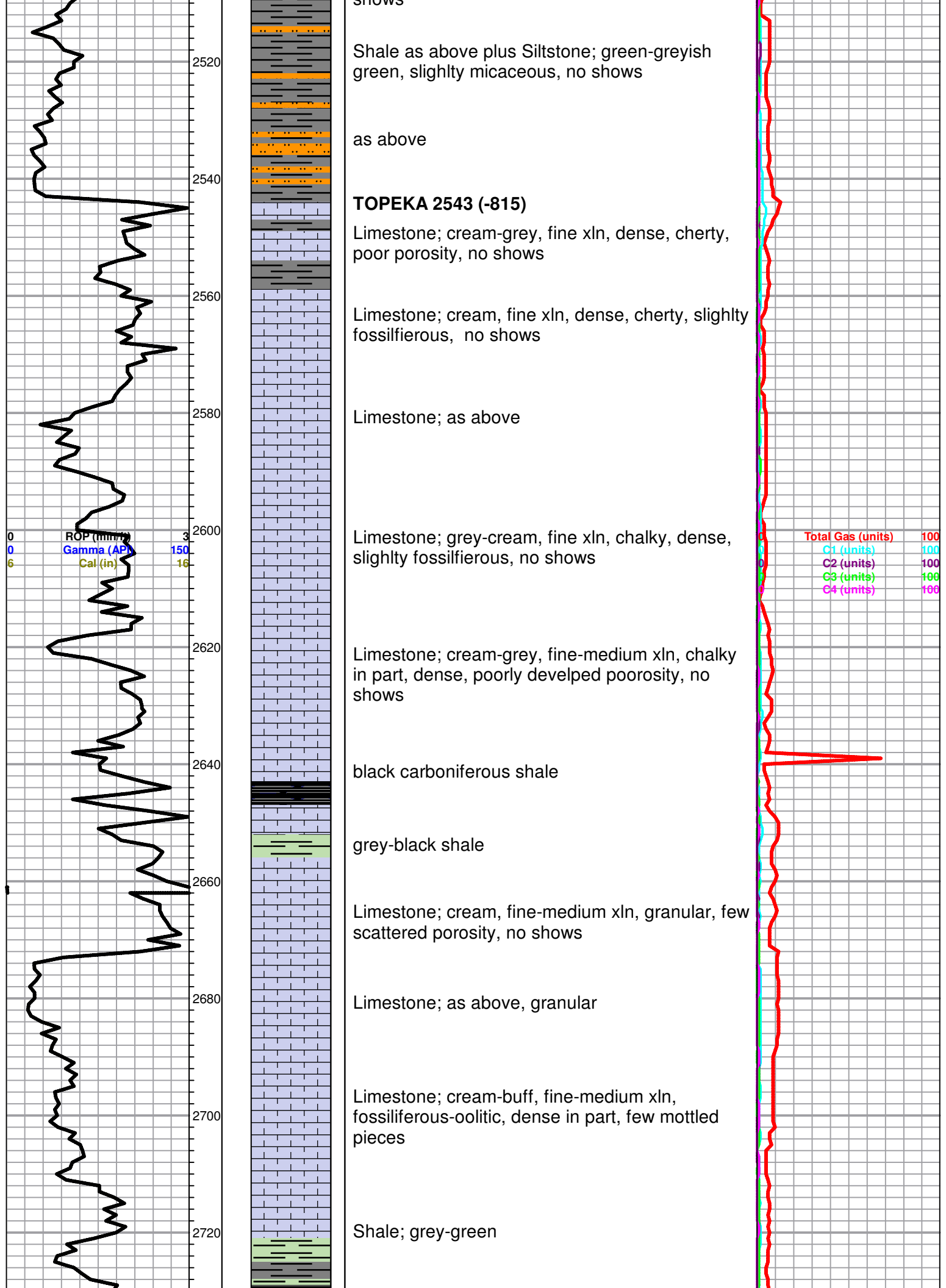
OTHER SYMBOLS

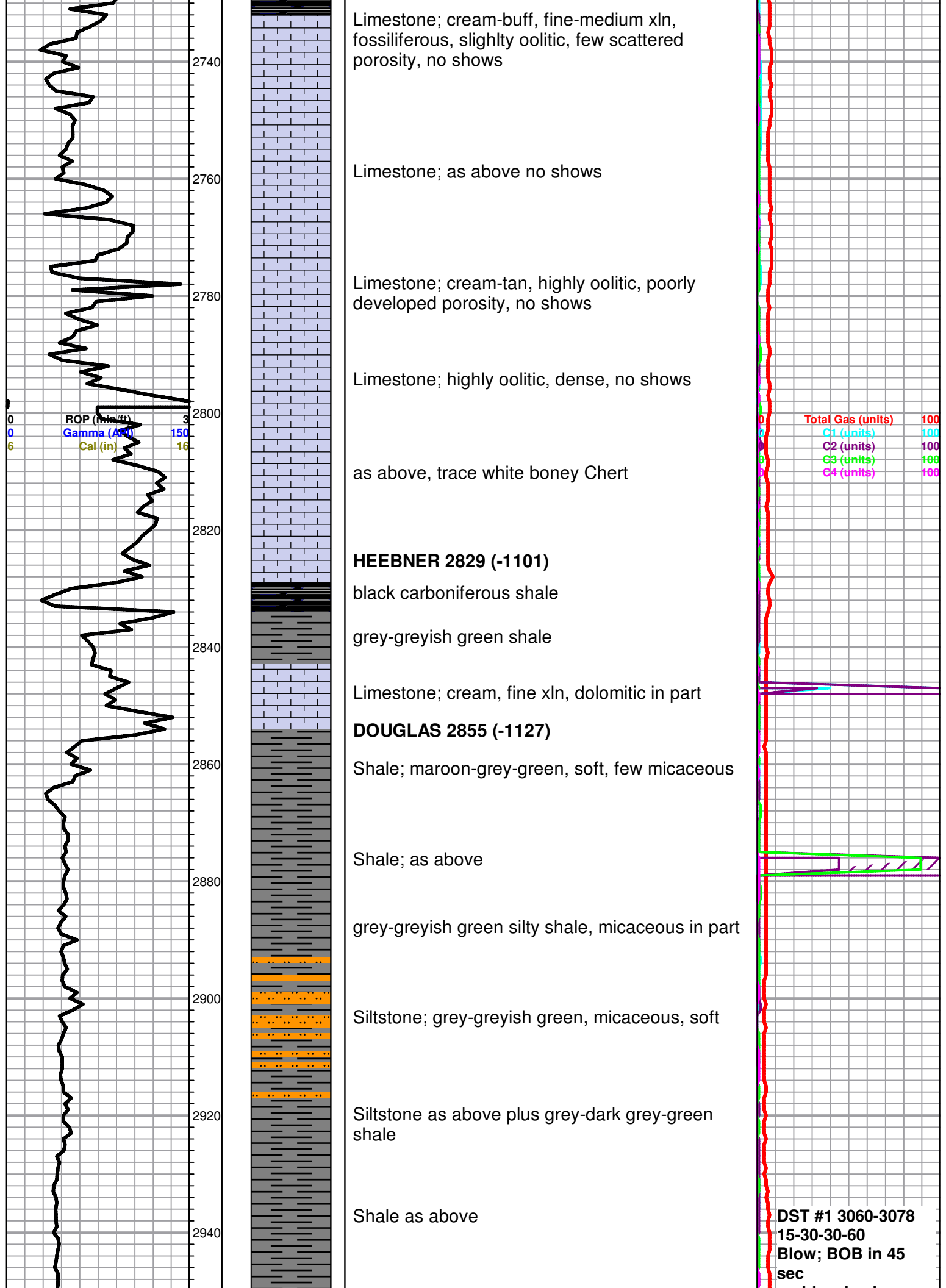
DST

- DST Int
- DST alt
- Core
- tail pipe

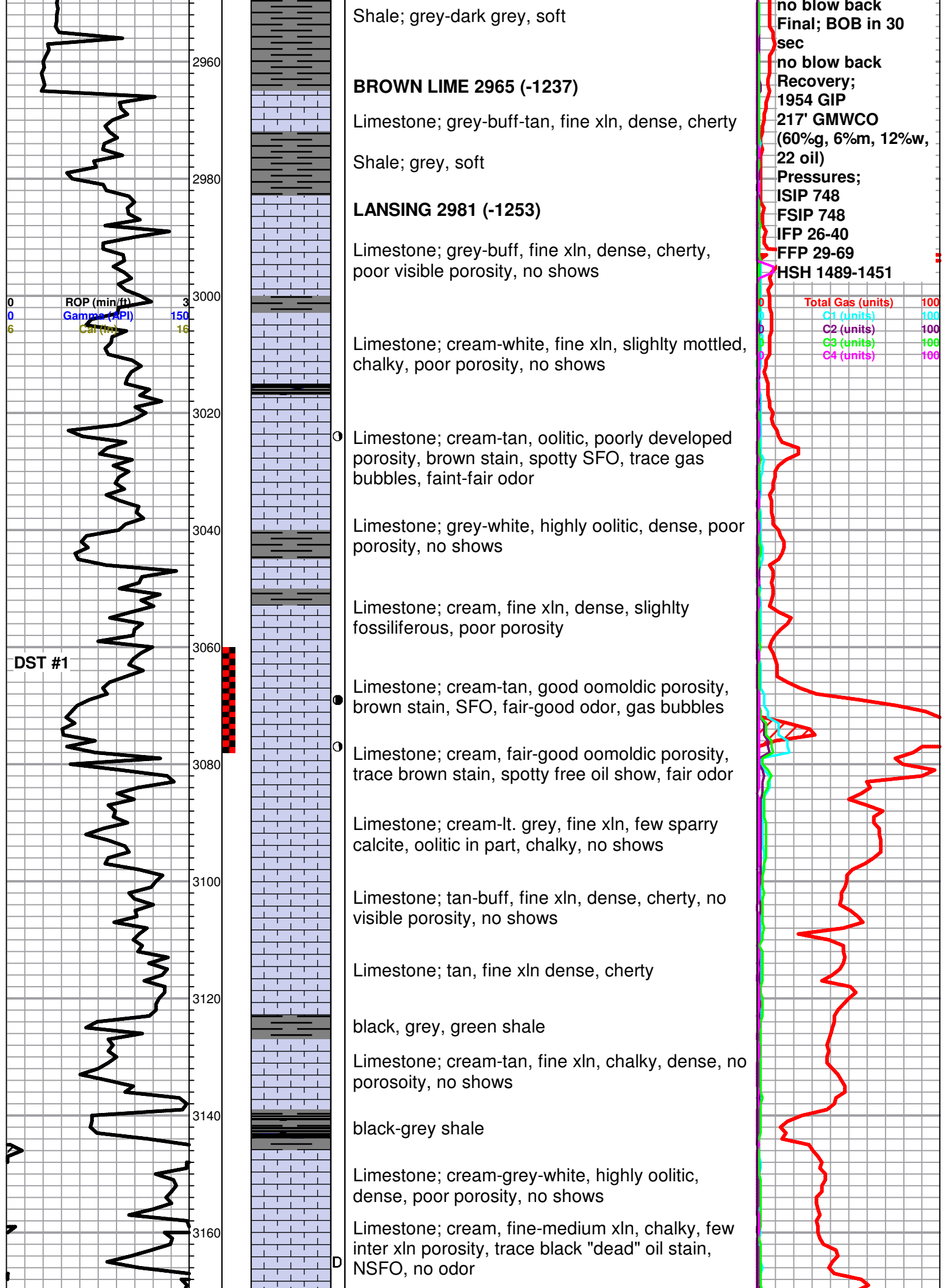
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)







DST #1 3060-3078
15-30-30-60
Blow; BOB in 45
sec



Shale; grey-dark grey, soft

BROWN LIME 2965 (-1237)

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

Shale; grey, soft

LANSING 2981 (-1253)

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

Limestone; cream-white, fine xln, slightly mottled, chalky, poor porosity, no shows

Limestone; cream-tan, oolitic, poorly developed porosity, brown stain, spotty SFO, trace gas bubbles, faint-fair odor

Limestone; grey-white, highly oolitic, dense, poor porosity, no shows

Limestone; cream, fine xln, dense, slightly fossiliferous, poor porosity

Limestone; cream-tan, good oomoldic porosity, brown stain, SFO, fair-good odor, gas bubbles

Limestone; cream, fair-good oomoldic porosity, trace brown stain, spotty free oil show, fair odor

Limestone; cream-lt. grey, fine xln, few sparry calcite, oolitic in part, chalky, no shows

Limestone; tan-buff, fine xln, dense, cherty, no visible porosity, no shows

Limestone; tan, fine xln dense, cherty

black, grey, green shale

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

black-grey shale

Limestone; cream-grey-white, highly oolitic, dense, poor porosity, no shows

Limestone; cream, fine-medium xln, chalky, few inter xln porosity, trace black "dead" oil stain, NSFO, no odor

no blow back
Final; BOB in 30 sec
no blow back Recovery; 1954 GIP
217' GMWCO (60%g, 6%m, 12%w, 22 oil)
Pressures; ISIP 748
FSIP 748
IFP 26-40
FFP 29-69
SHS 1489-1451

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

ROP (min/ft) 0, 0, 6
Gamma (API) 150
Cal (in) 16

DST #1

