



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: LEBSACK OIL PRODUCTION INC.

LEASE: CAYWOOD #2-33

FIELD: GROVE

SURFACE LOCATION: Ne-Ne (660' FNL & 660' FEL)

SEC: 33 TWSP: 20s RGE: 10w

COUNTY: RICE STATE: KANSAS

KB: 1729' GL: 1718'

API # 15-159-22827-00-00

CONTRACTOR: STERLING DRILLING COMPANY (Rig #4)

Spud: 12/08/2015 Comp: 12/13/2015

RTD: 3320' LTD: 3319'

Mud Up: 2671' Type Mud: Chemical was displaced

Samples Saved From: 2700-RTD

Geological Supervision From: 2810'-RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 265'

Production Casing: 5 1/2" @ 3298'

NOTES

On the basis of the positive structural position and after reviewing the electric logs it was recommended by all parties 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

1729 KB					1730 KB				Structural Relationship		1724 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log		
Heebner	2829	-1100	2824	-1095	2834	-1104	4	9	2820	-1096	-4	1		
Douglas	2854	-1125	2850	-1121	2861	-1131	6	10	2845	-1121	-4	0		
Brown Lime	2963	-1234	2959	-1230	2970	-1240	6	10	2955	-1231	-3	1		
Lansing	2979	-1250	2978	-1249	2986	-1256	6	7	2976	-1252	2	3		
"F" Zone	3060	-1331	3056	-1327	3070	-1340	9	13	3051	-1327	-4	0		
BKC	3248	-1519	3242	-1513	3251	-1521	2	8	3242	-1518	-1	5		
Viola	3258	-1529	3250	-1521	3266	-1536	7	15	3250	-1526	-3	5		
Simpson	3276	-1547	3267	-1538	3289	-1559	12	21	3272	-1548	1	10		
Arbuckle	N/A	N/A	N/A	N/A	3349	-1619			3340	-1616				
Total Depth	3320	-1591	3319	-1590	3377	-1647			3363	-1639				



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

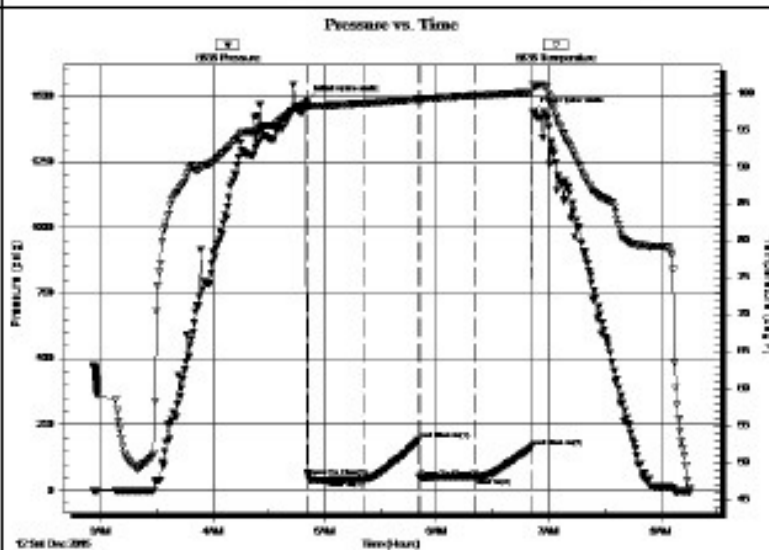
Lebsack Oil Production Inc 33/20S/10W/Rice
 PO Box 354 Caywood 2-33
 Chase Kansas Job Ticket: 61988 DST#: 1
 67524 Test Start: 2015.12.12 @ 02:56:00
 ATTN: Josh Austin

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:51:01
 Time Test Ended: 08:15:31
 Interval: **3055.00 ft (KB) To 3085.00 ft (KB) (TVD)**
 Total Depth: **3085.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** -Hole Condition: Fair
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **58 Great Bend/50**
 Reference Elevations: **1729.00 ft (KB)**
1718.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: **6838** Inside
 Press@RunDepth: **50.80 psig @ 3081.00 ft (KB)**
 Start Date: **2015.12.12** End Date: **2015.12.12** Capacity: **8000.00 psig**
 Start Time: **02:56:01** End Time: **08:15:31** Last Calib.: **2015.12.12**
Time On Btm: **2015.12.12 @ 04:50:16**
Time Off Btm: **2015.12.12 @ 06:51:31**

TEST COMMENT: 30 minute Initial Flow 2 minutes 30 seconds to bottom of bucket
 30 minutes Initial shut in surface blow back
 30 minute Final Flow 7 minutes to bottom of bucket
 30 minute Final Shut in blow back built to 1/8th inch



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1485.17	98.49	Initial Hydro-static
1	52.06	98.14	Open To Flow (1)
31	40.63	98.53	Shut-In(1)
60	190.48	99.16	End Shut-In(1)
61	46.49	99.13	Open To Flow (2)
91	50.80	99.60	Shut-In(2)
121	165.27	100.12	End Shut-In(2)
122	1439.37	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	504 feet of gas in pipe	0.00
63.00	Mud & Water cut Oily(Emulsified) Gas	0.31
0.00	Mud 15% Water 15% Oil 20% Gas 50%	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61967

DST#: 2

ATTN: Josh Austin

Test Start: 2015.12.13 @ 00:14:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:14:31

Time Test Ended: 05:59:01

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58 Great Bend/50

Interval: 3280.00 ft (KB) To 3320.00 ft (KB) (TVD)

Total Depth: 3320.00 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 #: 6838

Inside

Press@RunDepth: 1061.75 psig @ 3316.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.13

End Date: 2015.12.13

Last Calib.: 2015.12.13

Start Time: 00:14:01

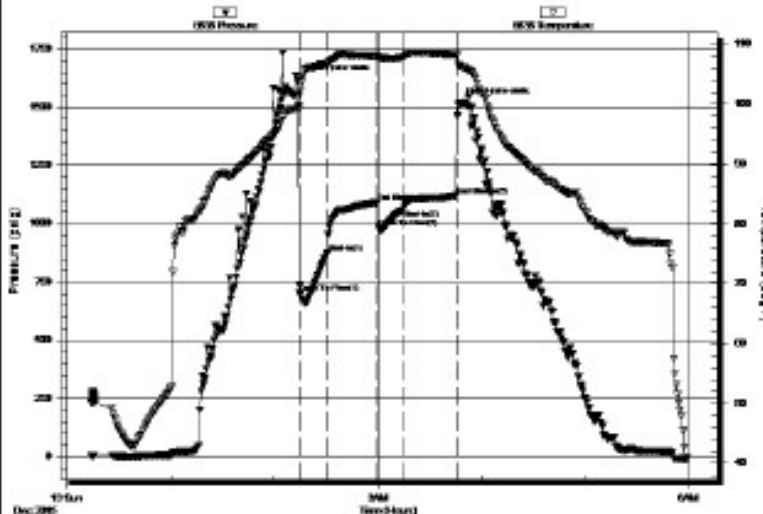
End Time: 05:59:01

Time On Btm: 2015.12.13 @ 02:14:16

Time Off Btm: 2015.12.13 @ 03:47:16

TEST COMMENT: 15 Minute Initial Flow 25 seconds to bottom of bucket
30 Minute Initial Shut In no blow back
15 Minute Final Flow 25 seconds to bottom of bucket
30 Minutes Final Shut In surface blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.64	99.71	Initial Hydro-static
1	702.53	99.14	Open To Flow (1)
17	874.22	106.72	Shut-in(1)
46	1091.41	108.00	End Shut-in(1)
47	983.77	107.76	Open To Flow (2)
61	1061.75	107.83	Shut-in(2)
92	1121.92	108.27	End Shut-in(2)
93	1518.21	106.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

2424.00	Slightly gas cut Muddy Water	3098.08
0.00	Mud 10% Water 90%	0.00

ROCK TYPES

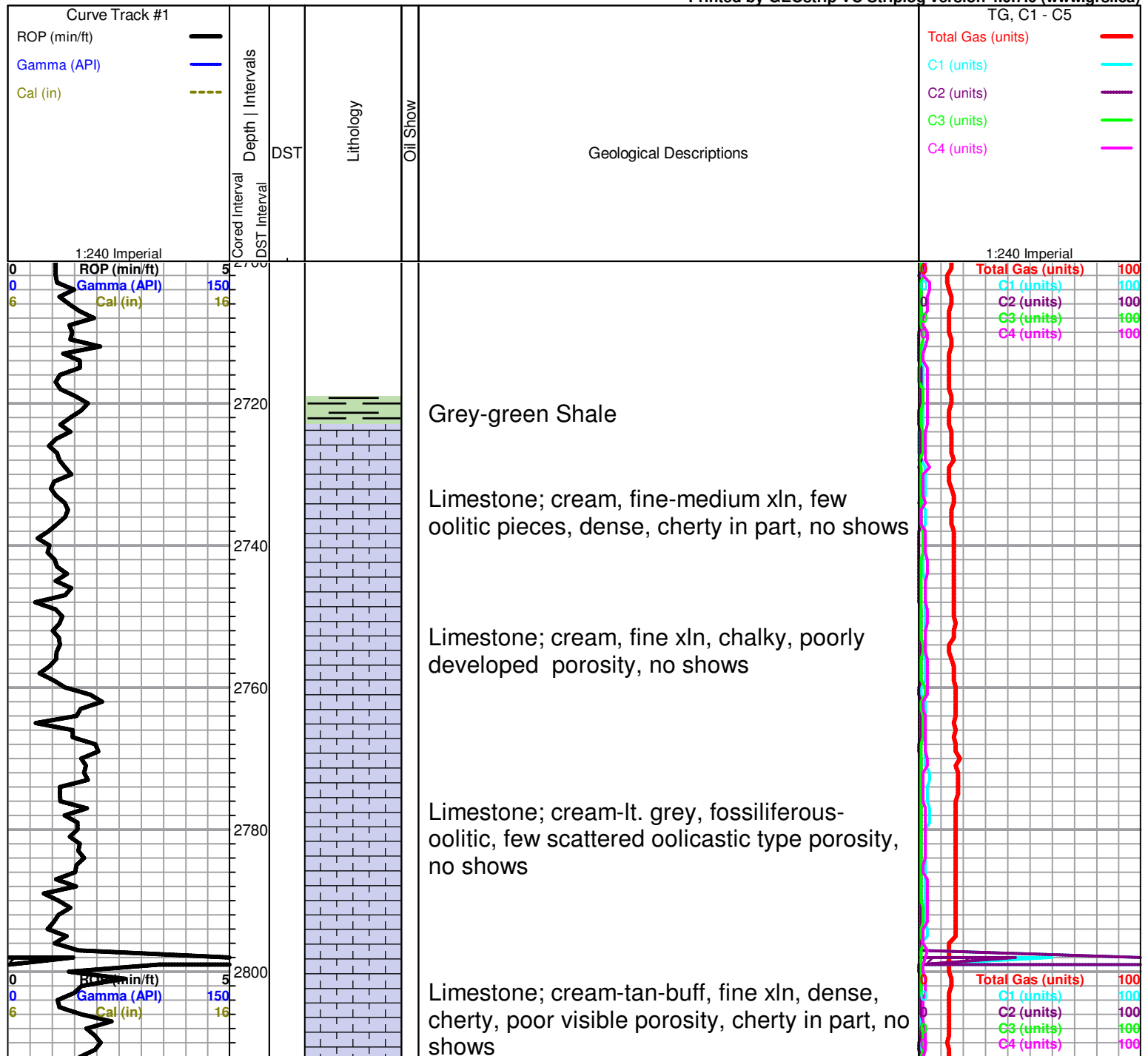
Cht	shale, grn	Carbon Sh	Slst
Lmst fw7>	shale, gry	Ss	

OTHER SYMBOLS

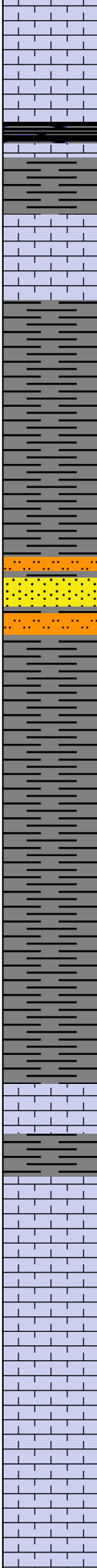
DST

- DST Int
- DST alt
- Core
- tail pipe

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



2820
2840
2860
2880
2900
2920
2940
2960
2980
3000
3020



HEEBNER 2829 (-1100)

Black Carboniferous Shale
Shale; grey-greish green

Limestone; cream-grey, fine xln, slightly fossiliferous, dense, no shows

DOUGLAS 2854 (-1125)

Shale; grey-greish green, maroon, red
Shale; as above

Shale; grey-greish green, micaceous in part, slightly silty, plus Siltstone; grey-greish green, micaceous, soft

Shale; as above, soft, silty in part

Shale; grey-dark grey, micaceous in part

Shale as above

BROWN LIME 2963 (-1234)

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

LANSING 2979 (-1250)

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

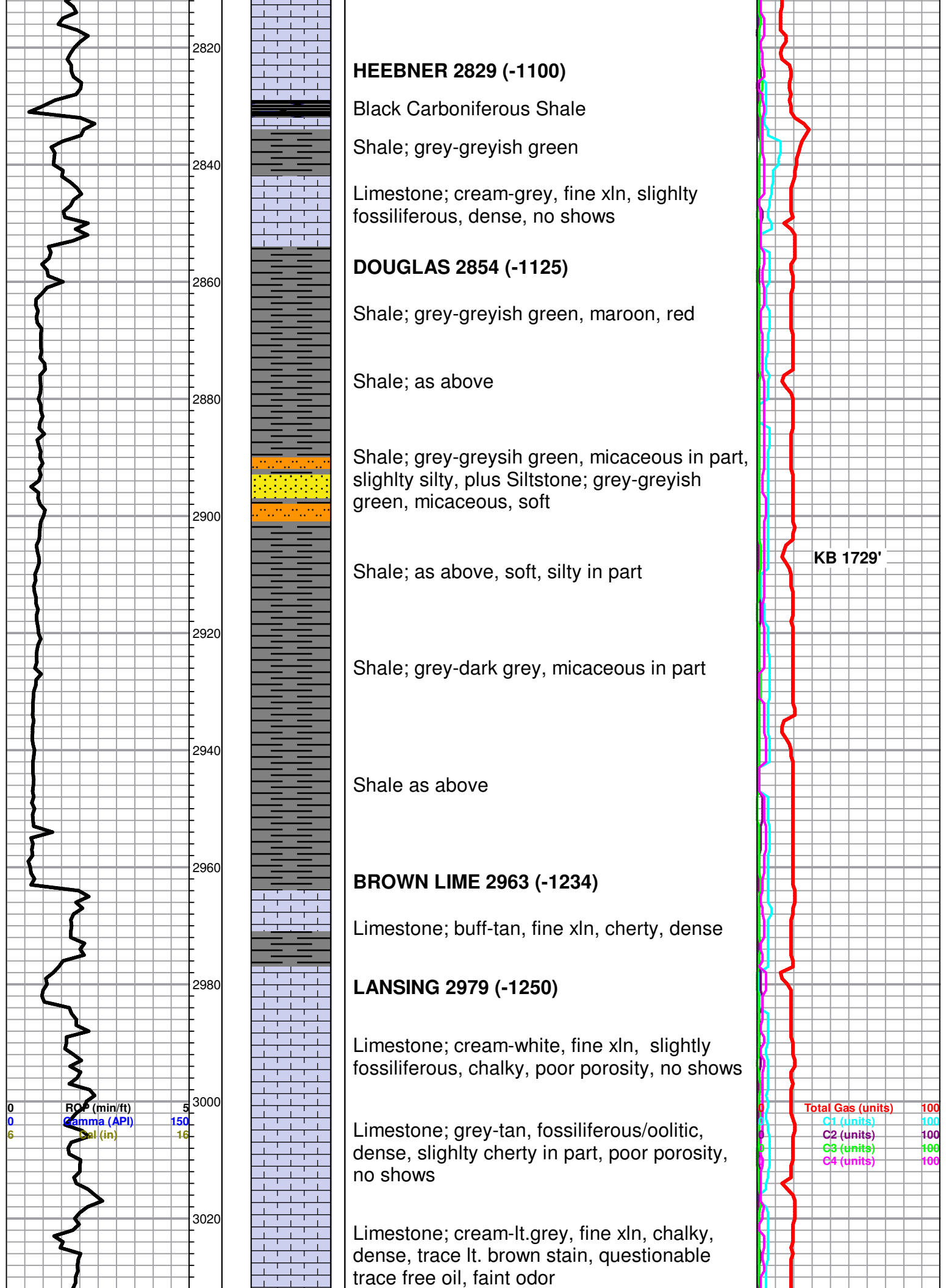
Limestone; grey-tan, fossiliferous/oolitic, dense, slightly cherty in part, poor porosity, no shows

Limestone; cream-lt. grey, fine xln, chalky, dense, trace lt. brown stain, questionable trace free oil, faint odor

KB 1729'

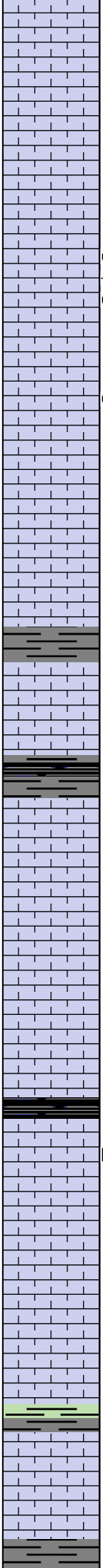
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

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



3040
3060
3080
3100
3120
3140
3160
3180
3200
3220
3240

0 ROP (in/ft) 5
0 Gamma (API) 150
6 Cal (in) 16



Limestone; grey-cream, fine-medium xln, highly oolitic in part, chalky, few scattered porosity, no shows

Limestone; cream-tan, good oomoldic porosity, brown stain, SFO, good-strong odor, plus gas bubbles, 320 unit gas kick

Limestone; as above

Limestone; cream-tan, oomoldic porosity, questionable brown stain, trace free oil, fair odor

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

Limestone; cream, highly oolitic, few scattered oolitic type porosity, brown stain, trace free oil, faint odor

grey-green shale

Limestone; cream, fine-medium xln, chalky in part, few cherty pieces, no shows

Black carboniferous shale

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

Limestone; as above

Limestone; cream-grey, fine xln, fossiliferous/oolitic, poor porosity, plus white chalk, no shows

black-grey shale

Limestone; cream-white, fine xln, chalky, inter xln type porosity, black stain, NSFO, no odor

Limestone; cream-tan, grey, fine xln, slightly fossiliferous, poor visible porosity, no shows

Limestone as above plus lt grey Chert

grey-green shale

Limestone; grey-cream, fine xln, dense, few cherty pieces, no shows

BASE KANSAS CITY 3248 (-1519)

