Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1206643

Form ACO-1
August 2013
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 ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

04/03/2014	04/17/2014	05/08/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-159-22773-01-00
Spot Description:
SW SW SW SW Sec. 27 Twp. 20 S. R. 10 ☐ East ☑ West
150 Feet from ☐ North / ☑ South Line of Section
200 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: Raymond Well #: 1-H
Field Name: Grove
Producing Formation: Lansing Kansas City
Elevation: Ground: 1719 Kelly Bushing: 1732
Total Vertical Depth: 2729 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 292 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: 6000 ppm Fluid volume: 240 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Bob's Oil Service
Lease Name: Teichman License #: 32408
Quarter SW Sec. 16 Twp. 22 S. R. 12 ☐ East ☑ West
County: Stafford Permit #: D23722

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: 08/01/2014
☑ **Confidential Release Date:** 07/31/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 08/05/2014

1206643

Operator Name: Lebsack Oil Production Inc. Lease Name: Raymond Well #: 1-H

Sec. 27 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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

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

Name	Top	Datum
Topeka	2549	-817
Heebner	2835	-1103
Brown Lime	3005	-1273
Lansing	3032	-1300

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	17.5	13.375	54.5	292	Class A	325	2% gel 3% CC
Production	9.875	7	25	2729	ASC	125	10% Salt 2% gel
Liner	6.125	4.5	14	3062	0	0	0

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: 2.875 Set At: 2700 Packer At:

Liner Run: ☑ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10		200		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
3404

Form	ACO1 - Well Completion
Operator	Lebsack Oil Production Inc.
Well Name	Raymond 1-H
Doc ID	1206643

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	17.5	13.375	54.5	292	Class A	325	2% gel 3% CC
Production	9.875	7	25	2729	ASC	125	10% Salt 2% gel
Liner	6.125	4.5	14	3062	0	0	0

Joshua R. Austin

Petroleum Geologist

report for

Lebsack Oil Production, Inc.

COMPANY: LEBSACK OIL PRODUCTION INC.

LEASE: RAYMOND #1-H

FIELD: GROVE

SURFACE LOCATION: 150' FSL & 200' FWL

BOTTOM HOLE LOCATION: aprox. 2044' FSL & 1033' FWL

SEC: 27 **TWSP:** 20s **RGE:** 10w

COUNTY: RICE **STATE:** KANSAS

KB: 1732 **GL:** 1719

API # 15-159-22773-01-00

CONTRACTOR: STERLING DRILLING COMPANY (Rig #4)

Spud: 04/03/2014 **Comp:** 04/17/2014

MD: 4989' **TVD:** 3069'

Mud Up: 2734' **Type Mud:** Chemical was displaced

Samples Saved From: 2400' TO 4989'

Geological Supervision From: 2500' TO RTD

Geologist on Well: Josh Austin

Surface Casing: 13 3/8" @ 292' KB

7" @ 2729' KB

Production Casing: Liner hanger at 2645' and 4 1/2" casing set at 3062'

Lebsack Oil Production Inc.

Raymond Lease - Rice County, KS
Raymond #1-H
13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Longitude: 98° 25' 27.736 W
Latitude: 38° 16' 30.433 N
Northing: 1898024.71
Easting: 1334044.22
Design #2

PROJECT DETAILS: Raymond Lease

PHOENIX TECHNOLOGY SERVICES

Azimuths to True North
Magnetic North: 4.63°

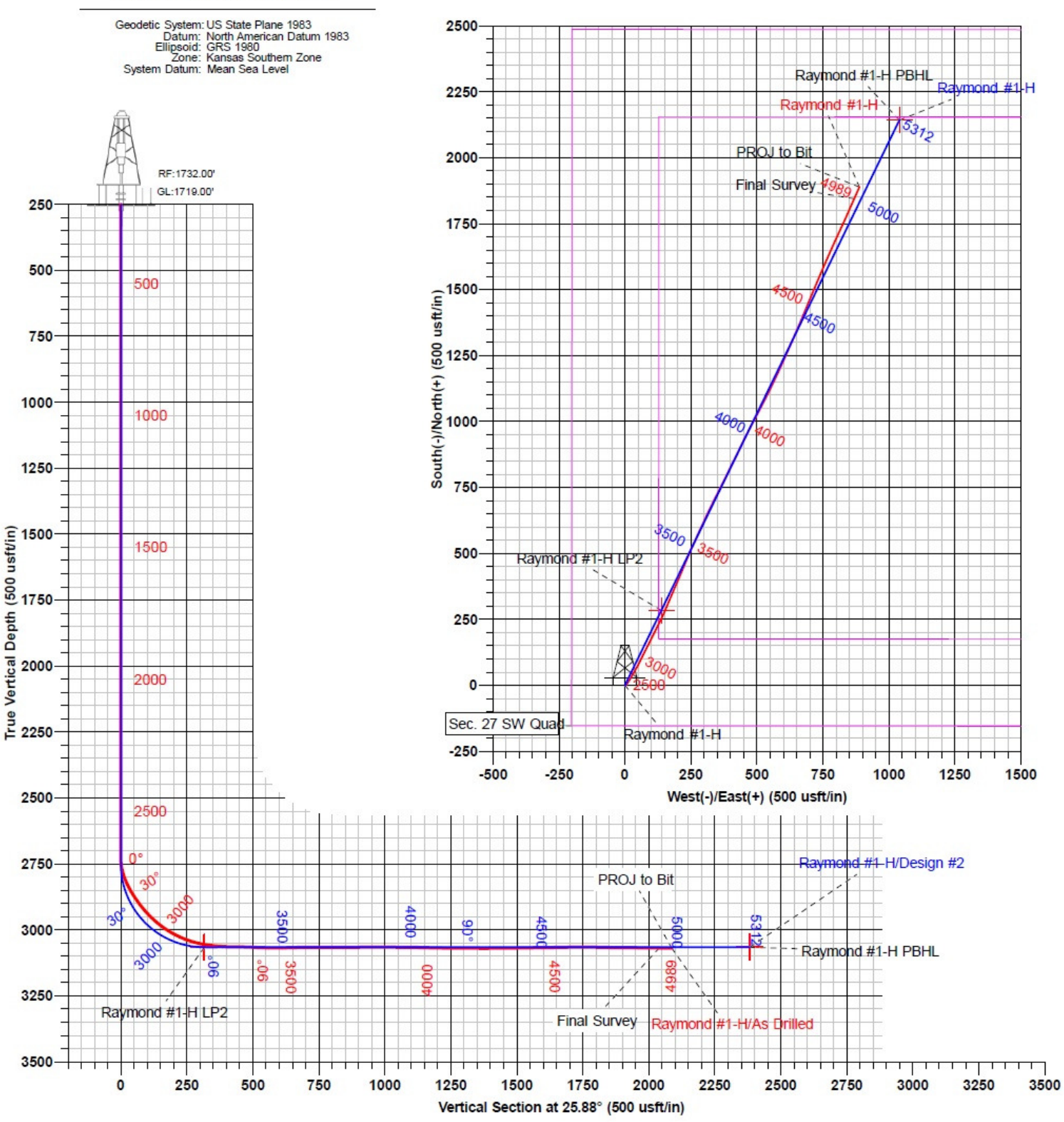
Magnetic Field
Strength: 52276.1snT
Dip Angle: 66.10°
Date: 2/26/2014
Model: IGRF2010_14

To convert a Magnetic Direction to a Grid Direction, Add 4.58°
To convert a True Direction to a Grid Direction, Subtract 0.05°

WELL DETAILS: Raymond #1-H

Ground Level: 1719.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1898024.71	1334044.22	38° 16' 30.433 N	98° 25' 27.736 W



04/02/14 rigged up and spudded at 10:15 am. Drilled 17-1/2" hole to 294'. Ran 7 joints new, 54.5#, 13-3/8" casing. Tallied 294', set at 292' KB. Cemented with 325 sacks Class A:, 2% Gel, 3% C.C. & 1/4# CF. Cement did circulate. Plug down at 2:30 am on 04/03/14 by Allied Cementing

04/03/14 Wait on Cement at 294' at 7 am. Drilled 294 in 24 hours.

04/04/14 Drilling with 9-7/8" bit at 1,205' at 7:00 am. Drilled 911' in 24.00 hours.

4/5/2014 Drilling with 9-7/8" bit at 2,065' at 7:00 am. Drilled 860' in 24.00 hours.

04/06/14 Short tripping at 2724' at 7 am. Made 669' feet in 24 hours.

04/07/14 Drilled 9-7/8" hole to 2734'. 1st Short trip was tight entire trip. 2nd short trip much better. Second Casing string of 7": Ran 7 joints new, 25.0#, 7" casing. Tallied 2729.72' with 0.80' FS on bottom. Shoe joint = 34.41'. Set at 2729.72' KB. Cemented with 125 sacks ASC with: 10% Salt, 2% Gel, 6% Gypseal. Plug down at 4:30 am on 04/07/14. WOC at 2734' at 7 am.. Made 0' in 24.00 hours.

04/08/14 Wait on Cement 24.00 of accumulated 26.50 hours at 2734' at 7:00 am. Made 0' in 24.00 hours.

04/09/14 Wait on Cement 24.00 of accumulated 50.50 hours at 2734' at 7:00 am. Made 0' in 24.00 hours.

4/10/2014 Drilled cement plug with water then displaced with saved 9-7/8" hole mud. Displacing mud system at 2734' at 7 am after drilling cement. Made 0 feet in 24 hours.

4/11/2014 Tripped out at 2798' to reset BHA tools at 7:00 am. Made 64' (all curve) in 24.00 hours.

04/12/14 Spot 30 Bbl Oil for shale in curve at 2861' making curve at 3,082' at 7:00 am. Made 284' (all curve) in 24.00 hours.

4/13/2014 Tripped out at 3303' to change BHA and bit to a PDC, 1.50 degrees from Horizontal. Changing out BHA and Bit at 3303' at 7:00 am. Made 221' in 24.00 hours.

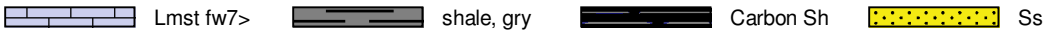
04/14/14 Tripped in with bit #2 at 3303'. Drilling at 3765' at 7:00 am. Drilled 463' in 24.00 hours.

04/15/14 Tripped out at 3950' to check mud motor to orientate. Drilling at 4229' at 7:00 am. Drilled 464' in 24.00 hours.

04/16/14 Drilling at 4915' at 7:00 am. Drilled 686' in 24.00 hours. Added 20 bbl oil to mud system 4325'

04/17/14 Lost returns at 8:45 am on Wednesday at 4989'. Stop there and set production casing, RTD (Total Length) = 4989', did not log hole. Ran 17 joints of new 4.5" casing. Casing hanger at 2645' KB. Casing set at 3062' KB.

ROCK TYPES



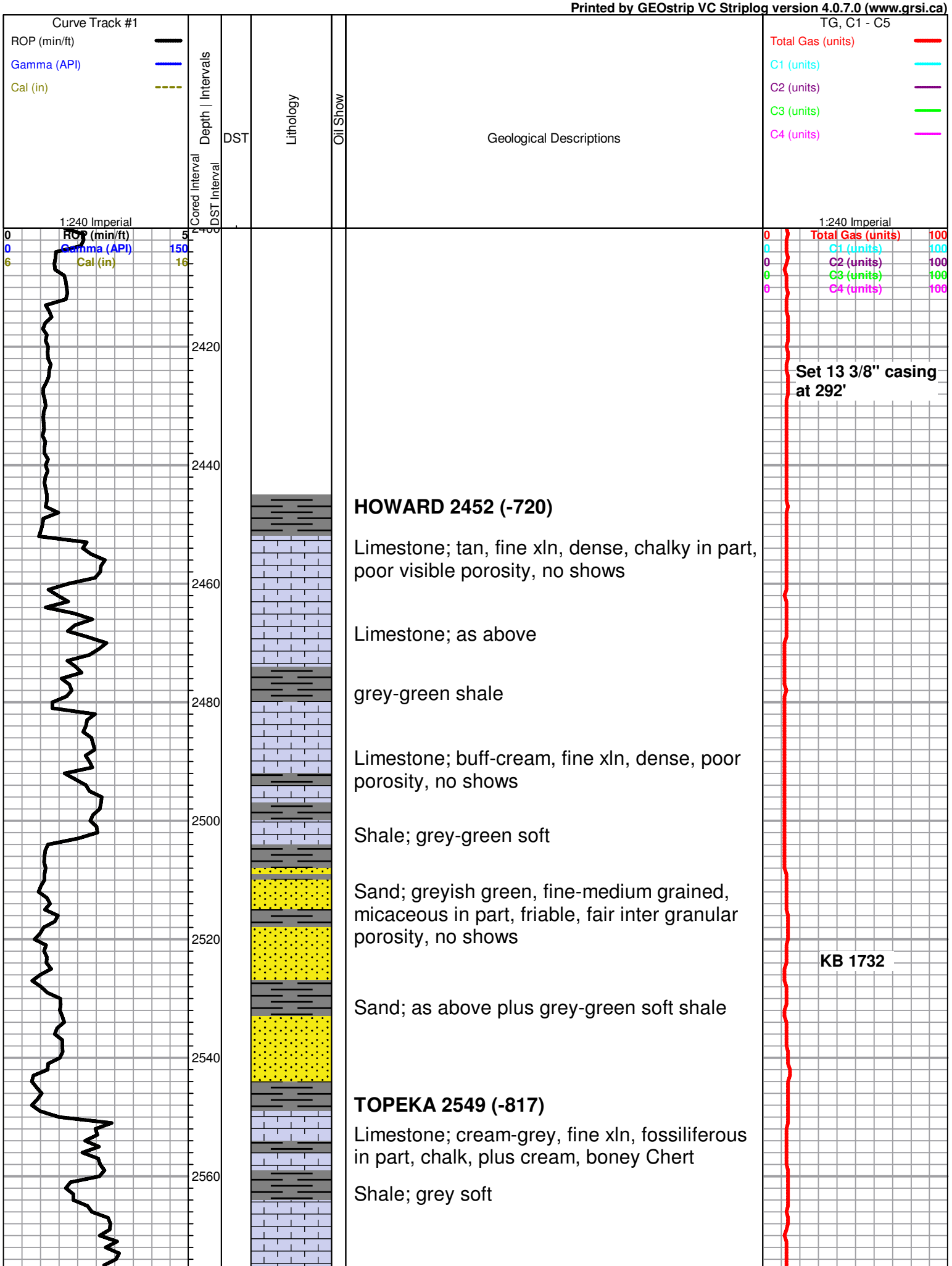
OTHER SYMBOLS

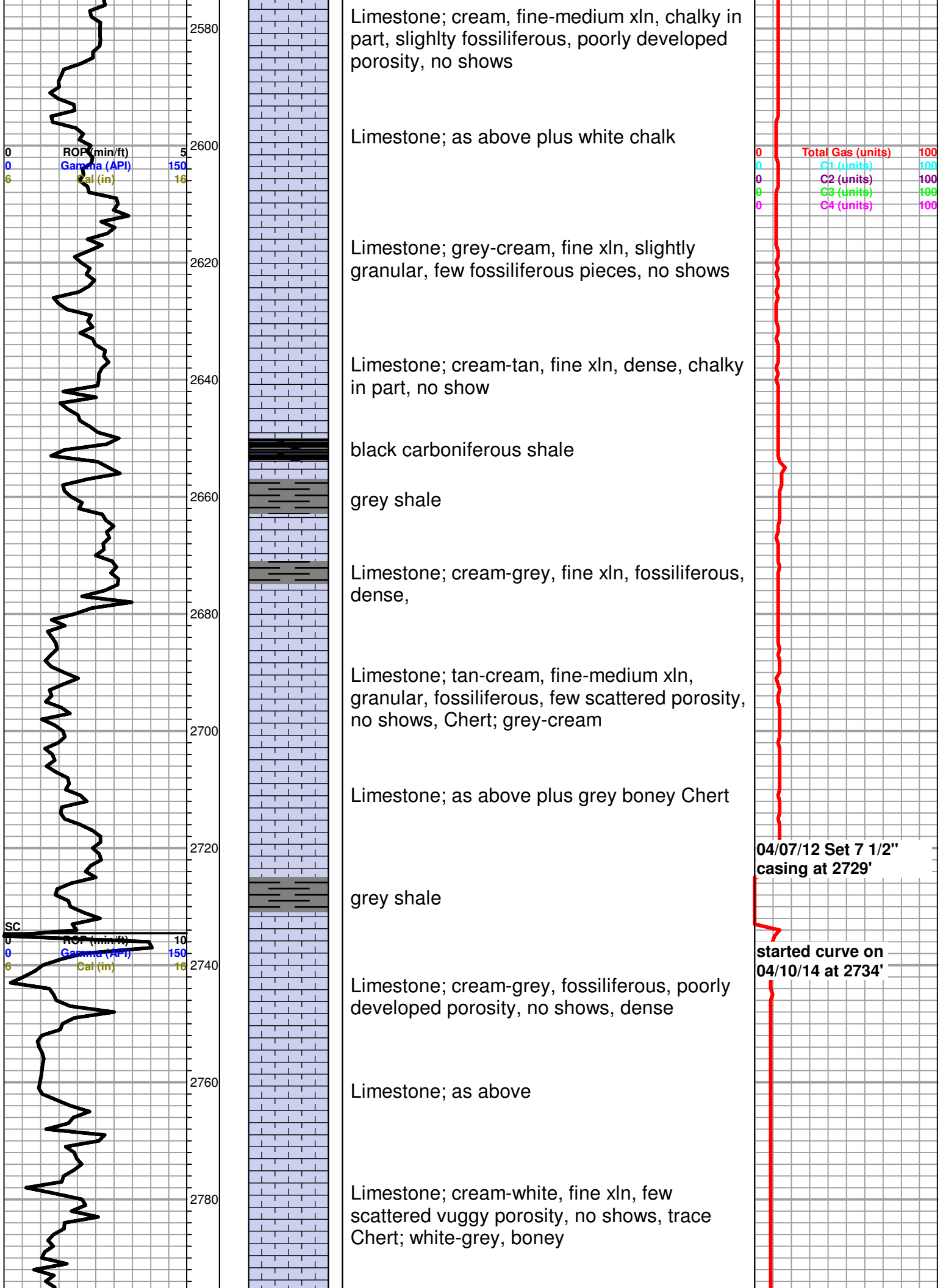
DST

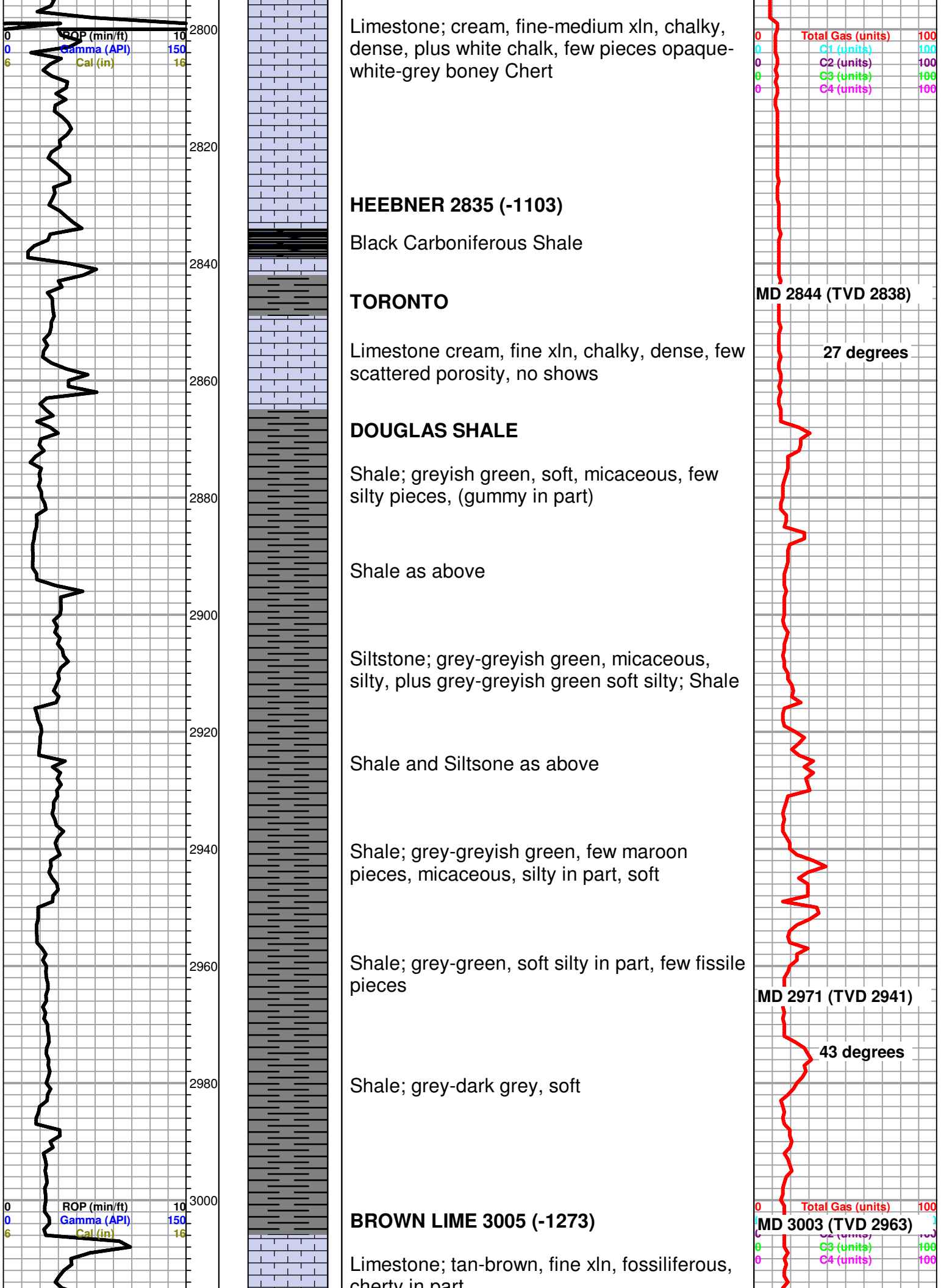
DST Int
DST alt
Core

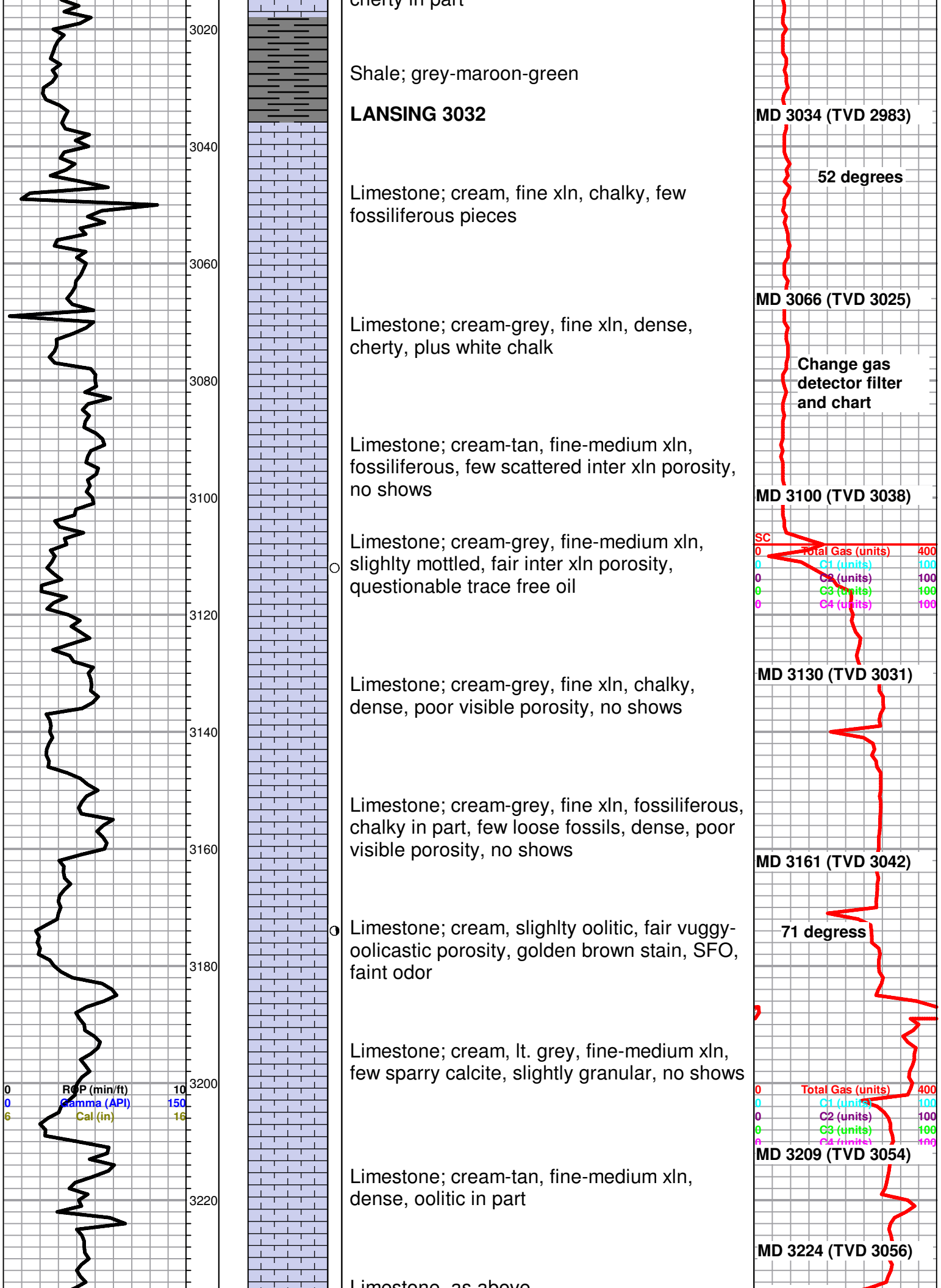
Core
tail pipe

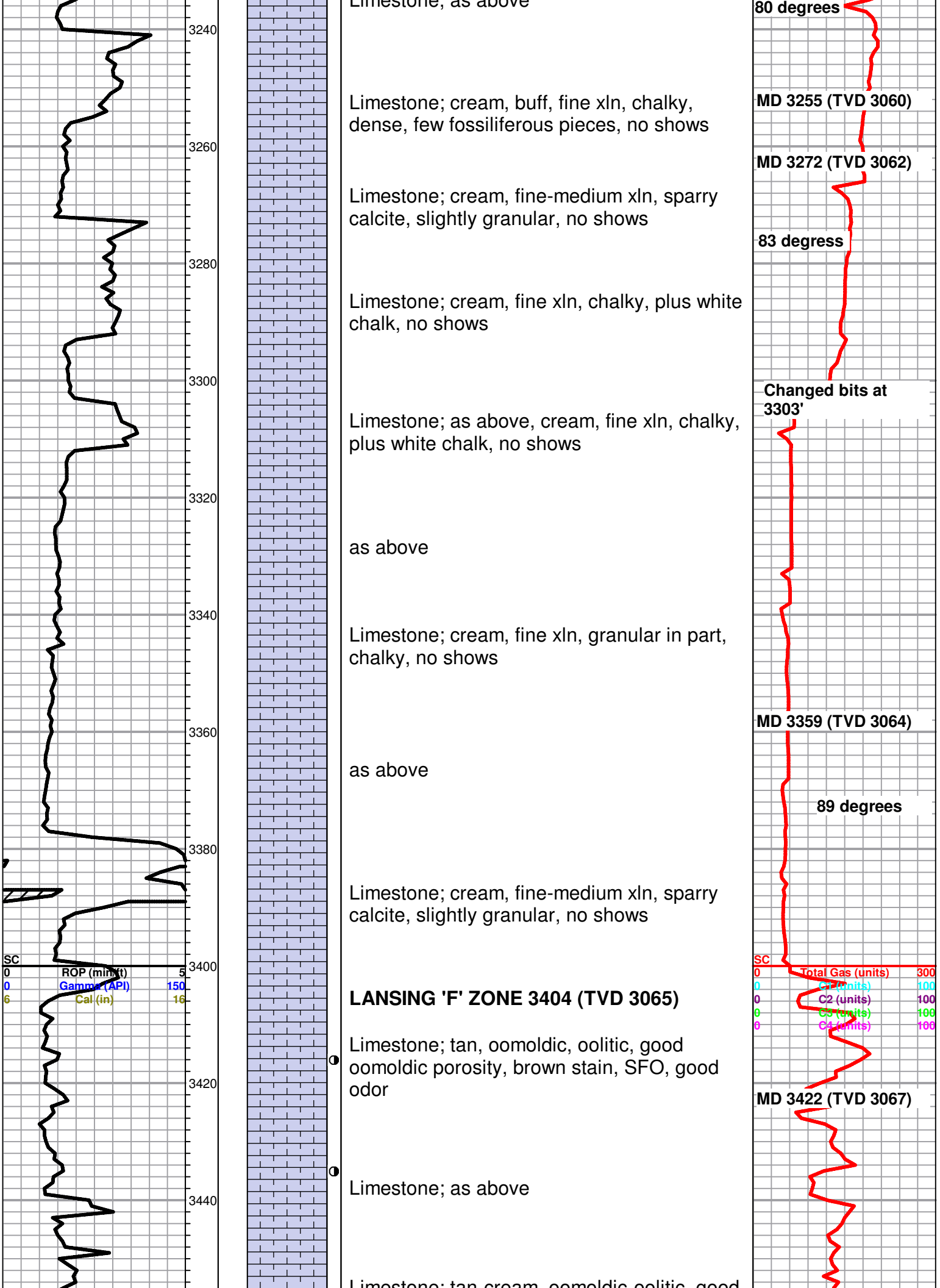
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

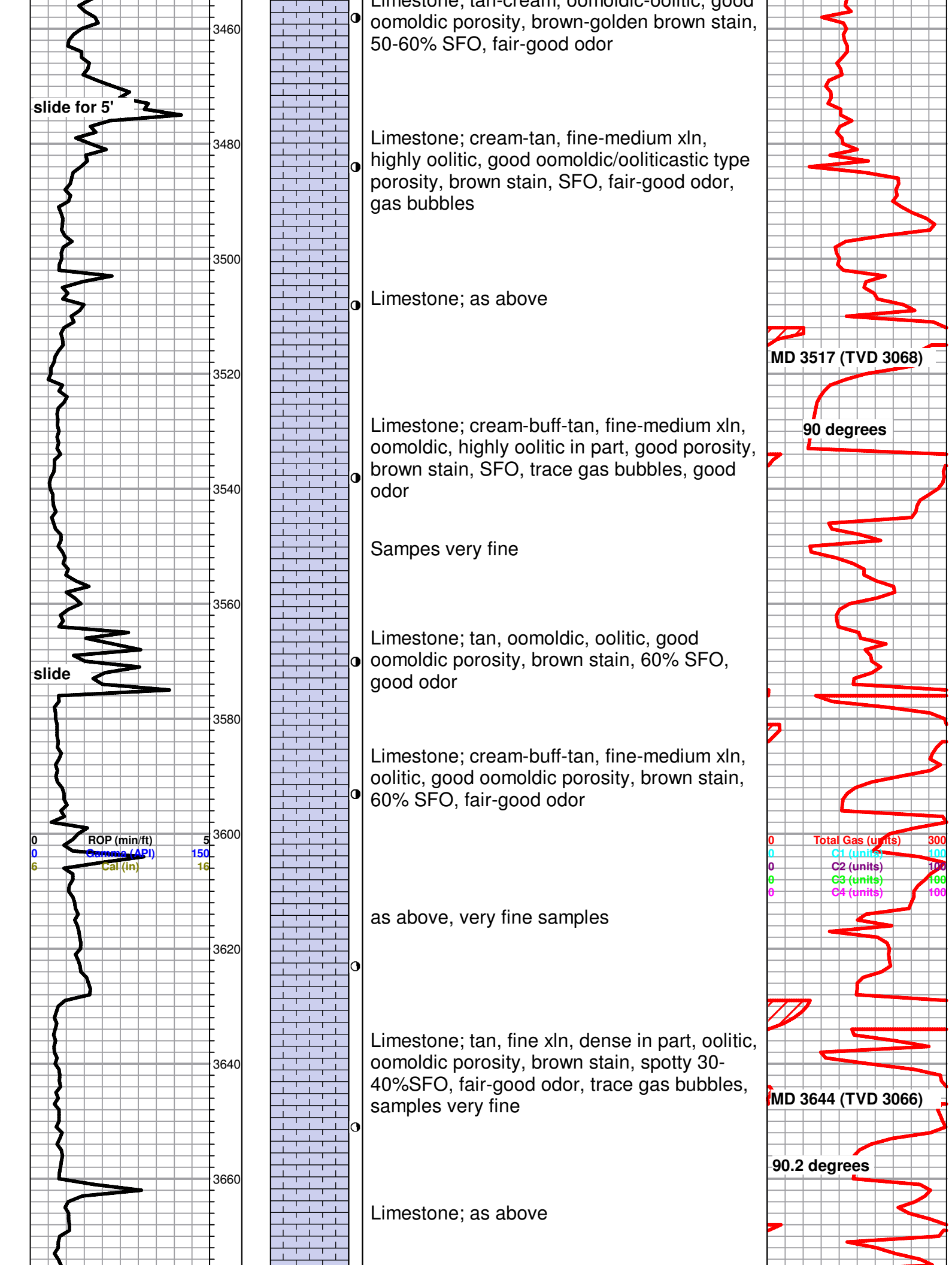


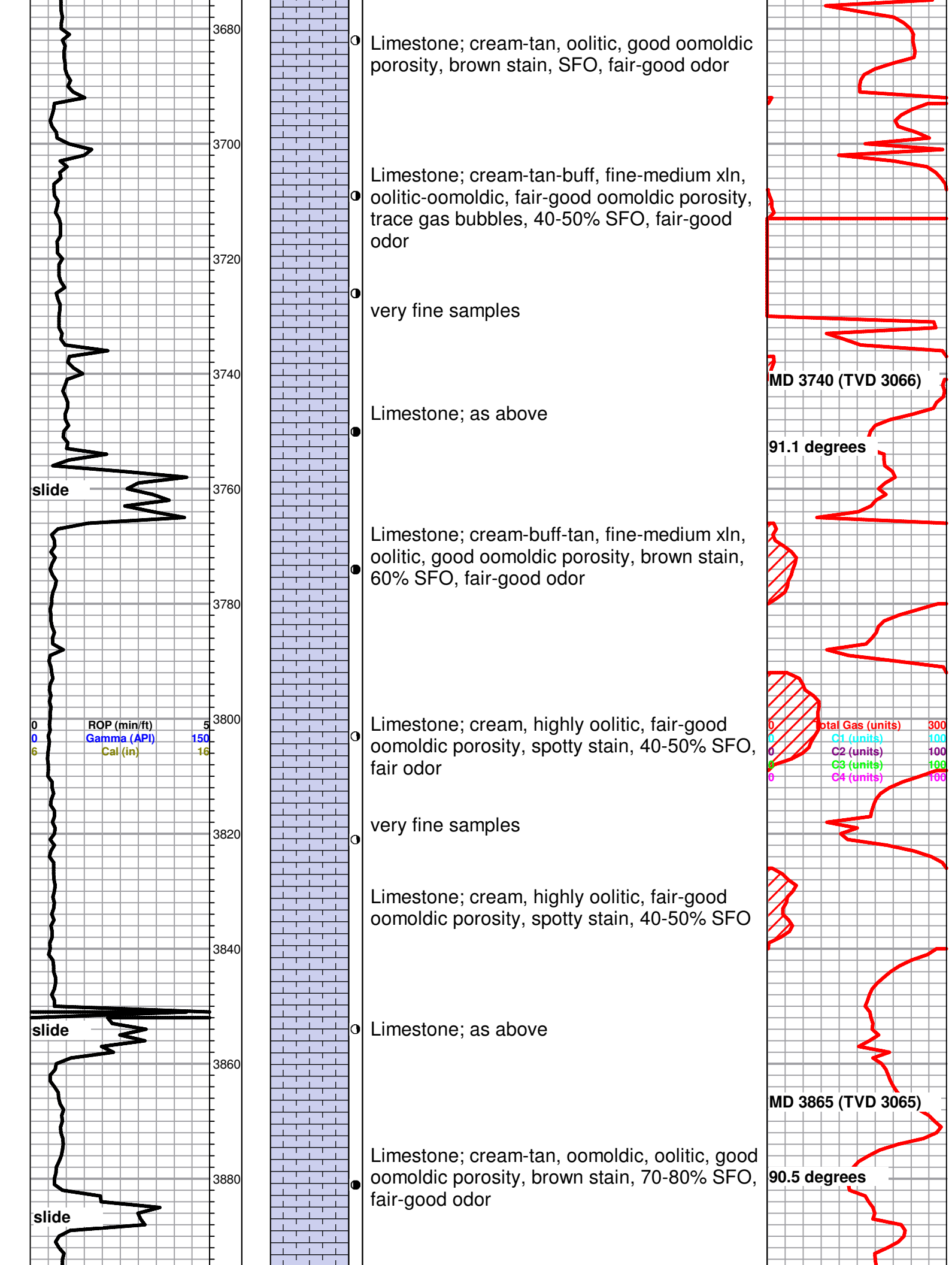

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
2580
2600
2620
2640
2660
2680
2700
2720
SC
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
2740
2760
2780
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
Limestone; cream, fine-medium xln, chalky in part, slighlty fossiliferous, poorly developed porosity, no shows
Limestone; as above plus white chalk
Limestone; grey-cream, fine xln, slightly granular, few fossiliferous pieces, no shows
Limestone; cream-tan, fine xln, dense, chalky in part, no show
black carboniferous shale
grey shale
Limestone; cream-grey, fine xln, fossiliferous, dense,
Limestone; tan-cream, fine-medium xln, granular, fossiliferous, few scattered porosity, no shows, Chert; grey-cream
Limestone; as above plus grey boney Chert
04/07/12 Set 7 1/2" casing at 2729'
grey shale
started curve on 04/10/14 at 2734'
Limestone; cream-grey, fossiliferous, poorly developed porosity, no shows, dense
Limestone; as above
Limestone; cream-white, fine xln, few scattered vuggy porosity, no shows, trace Chert; white-grey, boney

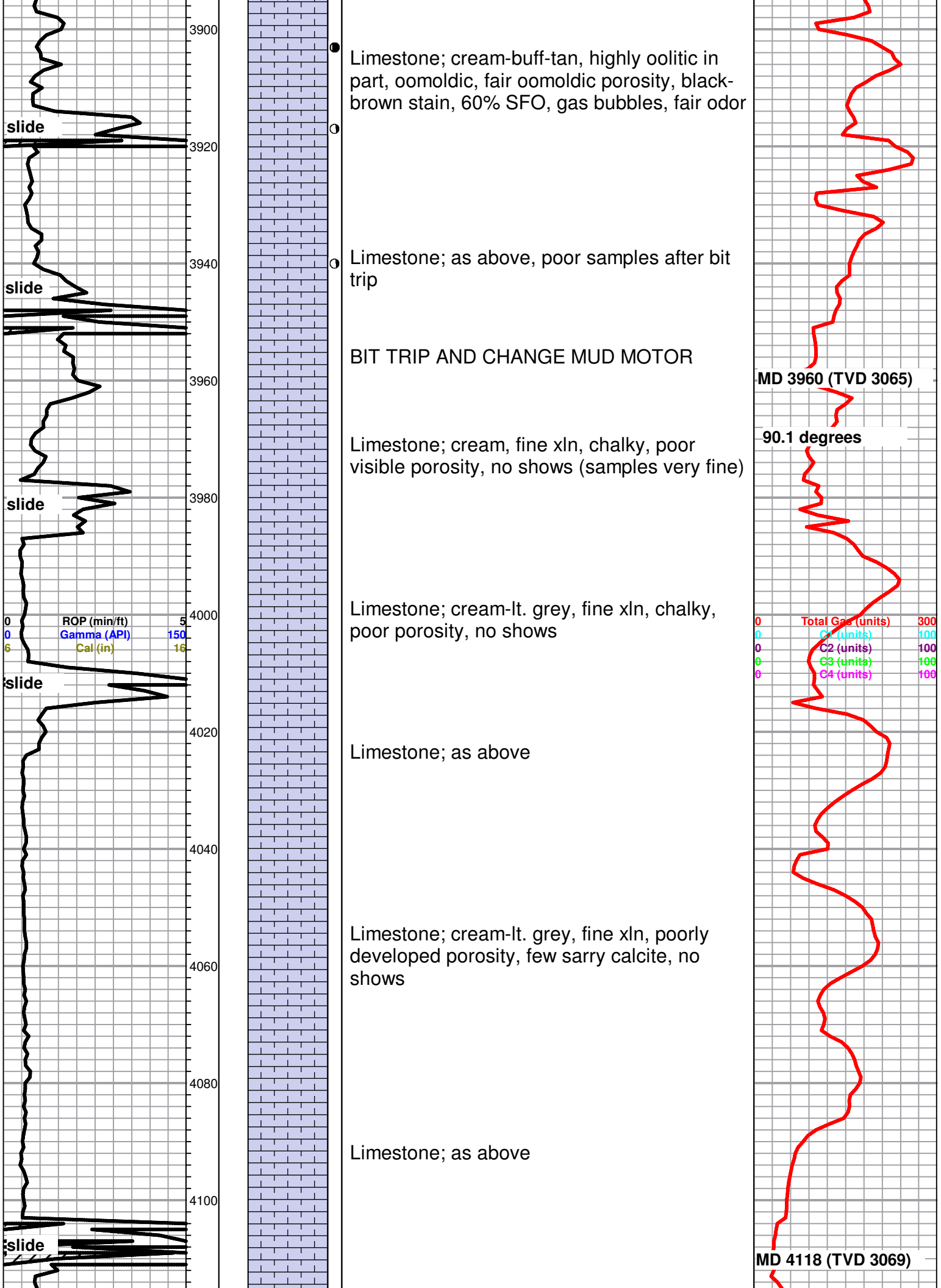

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
2800
2820
2840
2860
2880
2900
2920
2940
2960
2980
3000
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
Limestone; cream, fine-medium xln, chalky, dense, plus white chalk, few pieces opaque-white-grey boney Chert
HEEBNER 2835 (-1103)
Black Carboniferous Shale
TORONTO
MD 2844 (TVD 2838)
Limestone cream, fine xln, chalky, dense, few scattered porosity, no shows
27 degrees
DOUGLAS SHALE
Shale; greyish green, soft, micaceous, few silty pieces, (gummy in part)
Shale as above
Siltstone; grey-greyish green, micaceous, silty, plus grey-greyish green soft silty; Shale
Shale and Siltsone as above
Shale; grey-greyish green, few maroon pieces, micaceous, silty in part, soft
Shale; grey-green, soft silty in part, few fissile pieces
MD 2971 (TVD 2941)
43 degrees
Shale; grey-dark grey, soft
BROWN LIME 3005 (-1273)
MD 3003 (TVD 2963)
Limestone; tan-brown, fine xln, fossiliferous, cherty in part

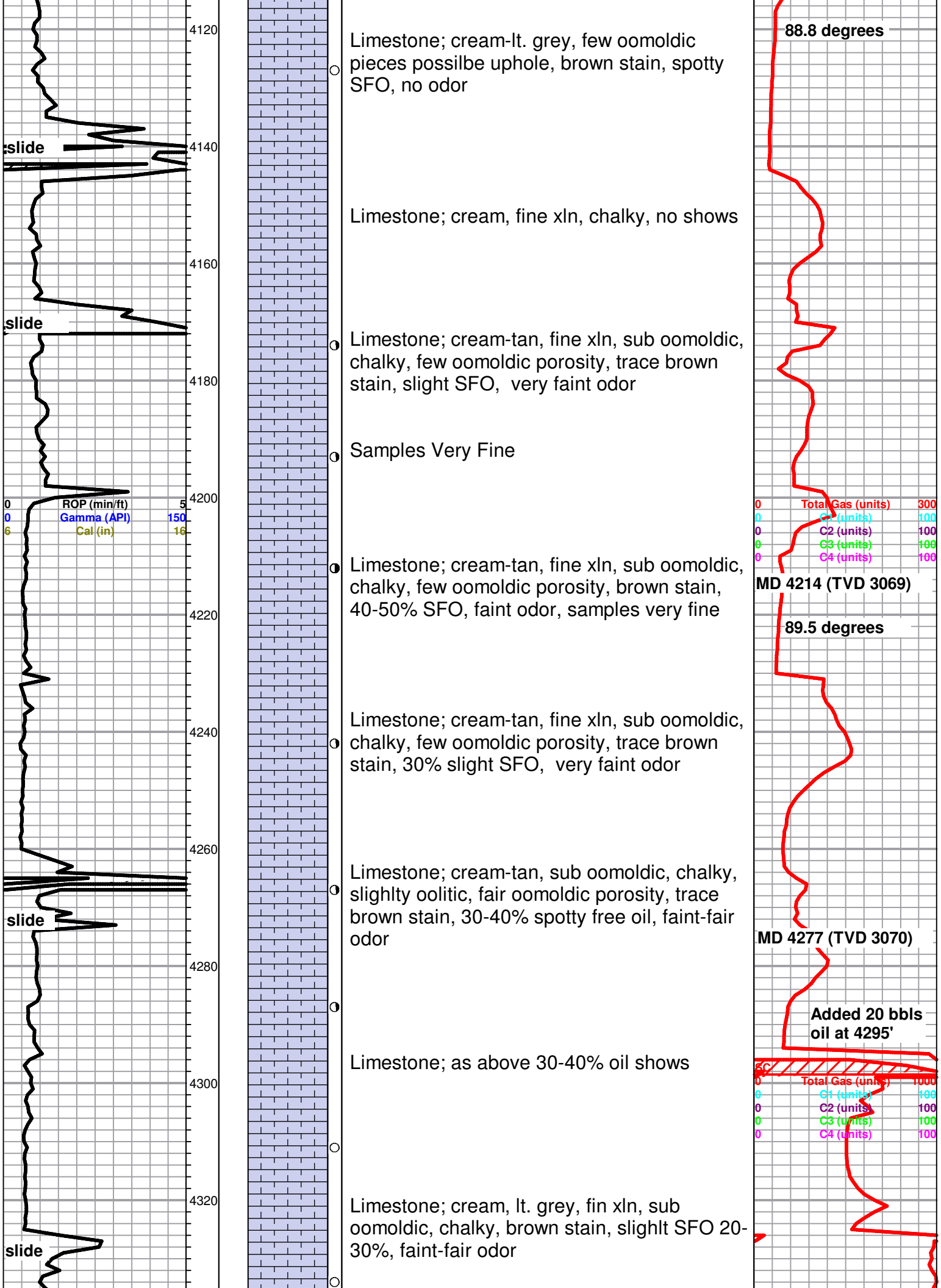

3020
3040
3060
3080
3100
3120
3140
3160
3180
3200
3220
0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16
cherty in part
Shale; grey-maroon-green
LANSING 3032
Limestone; cream, fine xln, chalky, few fossiliferous pieces
Limestone; cream-grey, fine xln, dense, cherty, plus white chalk
Limestone; cream-tan, fine-medium xln, fossiliferous, few scattered inter xln porosity, no shows
Limestone; cream-grey, fine-medium xln, slighlty mottled, fair inter xln porosity, questionable trace free oil
Limestone; cream-grey, fine xln, chalky, dense, poor visible porosity, no shows
Limestone; cream-grey, fine xln, fossiliferous, chalky in part, few loose fossils, dense, poor visible porosity, no shows
Limestone; cream, slighlty oolitic, fair vuggy-oolicastic porosity, golden brown stain, SFO, faint odor
Limestone; cream, lt. grey, fine-medium xln, few sparry calcite, slightly granular, no shows
Limestone; cream-tan, fine-medium xln, dense, oolitic in part
Limestone, as above
MD 3034 (TVD 2983)
52 degrees
MD 3066 (TVD 3025)
Change gas detector filter and chart
MD 3100 (TVD 3038)
SC
0 Total Gas (units) 400
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
MD 3130 (TVD 3031)
MD 3161 (TVD 3042)
71 degress
0 Total Gas (units) 400
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
MD 3209 (TVD 3054)
MD 3224 (TVD 3056)

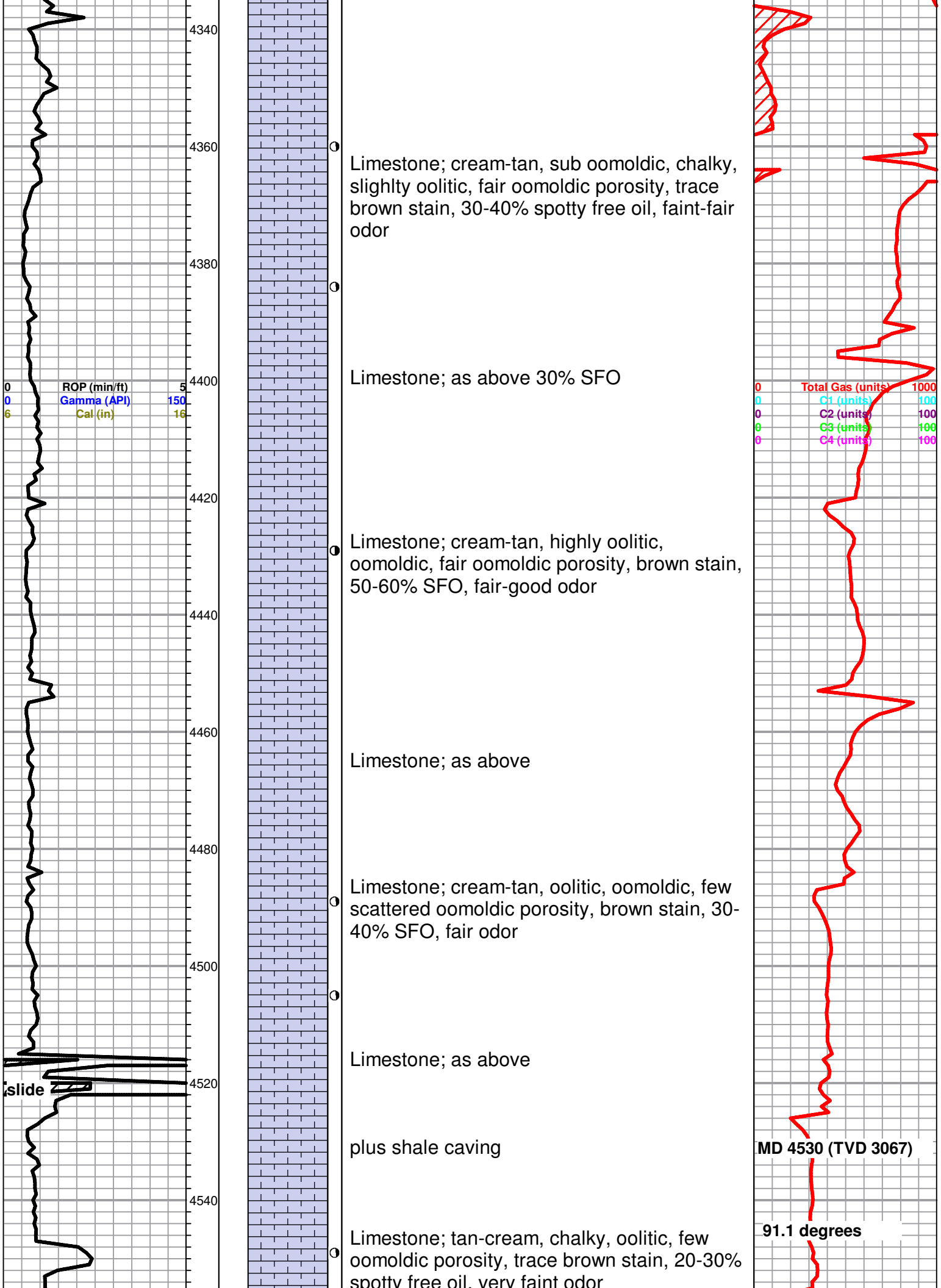

3240
3260
3280
3300
3320
3340
3360
3380
3400
3420
3440
SC
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
Limestone; as above
Limestone; cream, buff, fine xln, chalky, dense, few fossiliferous pieces, no shows
Limestone; cream, fine-medium xln, sparry calcite, slightly granular, no shows
Limestone; cream, fine xln, chalky, plus white chalk, no shows
Limestone; as above, cream, fine xln, chalky, plus white chalk, no shows
as above
Limestone; cream, fine xln, granular in part, chalky, no shows
as above
Limestone; cream, fine-medium xln, sparry calcite, slightly granular, no shows
LANSING 'F' ZONE 3404 (TVD 3065)
Limestone; tan, oomoldic, oolitic, good oomoldic porosity, brown stain, SFO, good odor
Limestone; as above
Limestone; tan cream, oomoldic oolitic, good
80 degrees
MD 3255 (TVD 3060)
MD 3272 (TVD 3062)
83 degress
Changed bits at 3303'
MD 3359 (TVD 3064)
89 degrees
MD 3422 (TVD 3067)
SC
0 Total Gas (units) 300
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

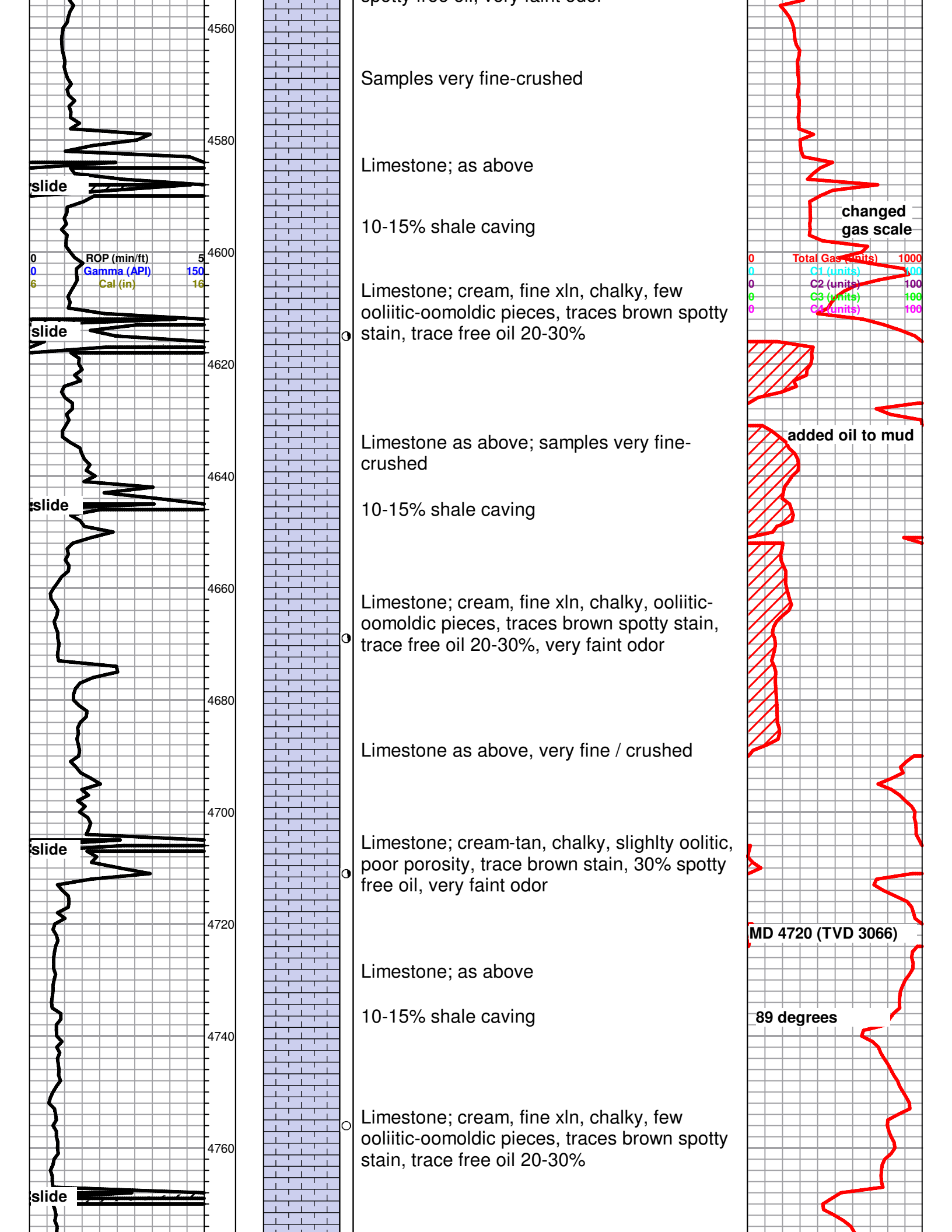

3460
3480
3500
3520
3540
3560
3580
3600
3620
3640
3660
slide for 5'
slide
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
Limestone; tan-cream, oomoldic-oolitic, good oomoldic porosity, brown-golden brown stain, 50-60% SFO, fair-good odor
Limestone; cream-tan, fine-medium xln, highly oolitic, good oomoldic/ooliticastic type porosity, brown stain, SFO, fair-good odor, gas bubbles
Limestone; as above
MD 3517 (TVD 3068)
90 degrees
Limestone; cream-buff-tan, fine-medium xln, oomoldic, highly oolitic in part, good porosity, brown stain, SFO, trace gas bubbles, good odor
Sampes very fine
Limestone; tan, oomoldic, oolitic, good oomoldic porosity, brown stain, 60% SFO, good odor
Limestone; cream-buff-tan, fine-medium xln, oolitic, good oomoldic porosity, brown stain, 60% SFO, fair-good odor
0 Total Gas (units) 300
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
as above, very fine samples
Limestone; tan, fine xln, dense in part, oolitic, oomoldic porosity, brown stain, spotty 30-40%SFO, fair-good odor, trace gas bubbles, samples very fine
MD 3644 (TVD 3066)
90.2 degrees
Limestone; as above

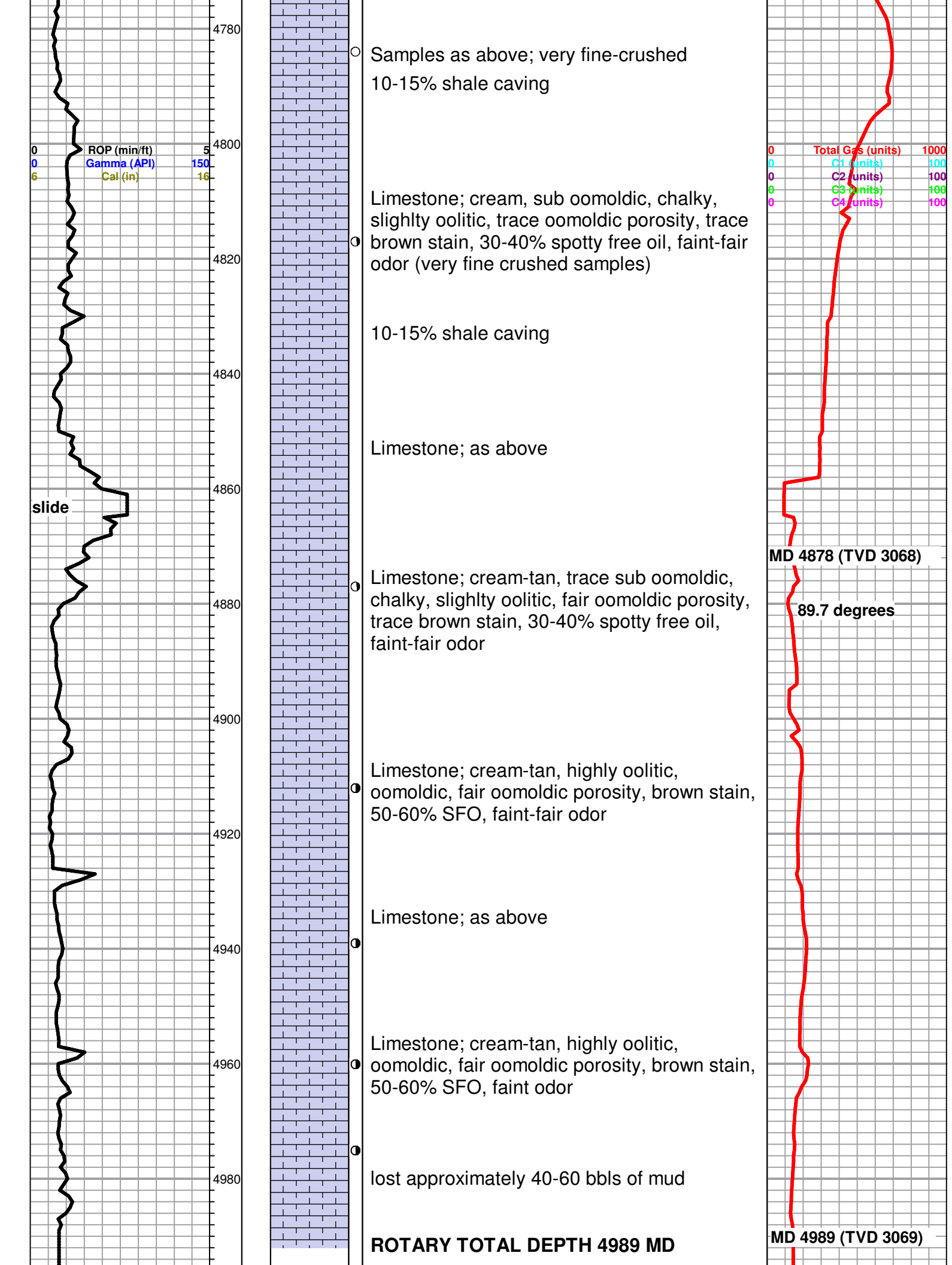

3680
3700
3720
3740
3760
3780
3800
3820
3840
3860
3880
slide
slide
slide
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
Limestone; cream-tan, oolitic, good oomoldic porosity, brown stain, SFO, fair-good odor
Limestone; cream-tan-buff, fine-medium xln, oolitic-oomoldic, fair-good oomoldic porosity, trace gas bubbles, 40-50% SFO, fair-good odor
very fine samples
Limestone; as above
Limestone; cream-buff-tan, fine-medium xln, oolitic, good oomoldic porosity, brown stain, 60% SFO, fair-good odor
Limestone; cream, highly oolitic, fair-good oomoldic porosity, spotty stain, 40-50% SFO, fair odor
very fine samples
Limestone; cream, highly oolitic, fair-good oomoldic porosity, spotty stain, 40-50% SFO
Limestone; as above
Limestone; cream-tan, oomoldic, oolitic, good oomoldic porosity, brown stain, 70-80% SFO, fair-good odor
MD 3740 (TVD 3066)
91.1 degrees
MD 3865 (TVD 3065)
90.5 degrees
0 Total Gas (units) 300
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100


3900
3920
3940
3960
3980
4000
4020
4040
4060
4080
4100
slide
slide
slide
slide
slide
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
Limestone; cream-buff-tan, highly oolitic in part, oomoldic, fair oomoldic porosity, black-brown stain, 60% SFO, gas bubbles, fair odor
Limestone; as above, poor samples after bit trip
BIT TRIP AND CHANGE MUD MOTOR
Limestone; cream, fine xln, chalky, poor visible porosity, no shows (samples very fine)
Limestone; cream-lt. grey, fine xln, chalky, poor porosity, no shows
Limestone; as above
Limestone; cream-lt. grey, fine xln, poorly developed porosity, few sarry calcite, no shows
Limestone; as above
MD 3960 (TVD 3065)
90.1 degrees
0 Total Gas (units) 300
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
MD 4118 (TVD 3069)


4120
4140
4160
4180
4200
4220
4240
4260
4280
4300
4320
slide
slide
slide
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
Limestone; cream-lt. grey, few oomoldic pieces possilbe uphole, brown stain, spotty SFO, no odor
Limestone; cream, fine xln, chalky, no shows
Limestone; cream-tan, fine xln, sub oomoldic, chalky, few oomoldic porosity, trace brown stain, slight SFO, very faint odor
Samples Very Fine
Limestone; cream-tan, fine xln, sub oomoldic, chalky, few oomoldic porosity, brown stain, 40-50% SFO, faint odor, samples very fine
Limestone; cream-tan, fine xln, sub oomoldic, chalky, few oomoldic porosity, trace brown stain, 30% slight SFO, very faint odor
Limestone; cream-tan, sub oomoldic, chalky, slighlty oolitic, fair oomoldic porosity, trace brown stain, 30-40% spotty free oil, faint-fair odor
Limestone; as above 30-40% oil shows
Limestone; cream, lt. grey, fin xln, sub oomoldic, chalky, brown stain, slighlt SFO 20-30%, faint-fair odor
88.8 degrees
0 Total Gas (units) 300
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
MD 4214 (TVD 3069)
89.5 degrees
MD 4277 (TVD 3070)
Added 20 bbls oil at 4295'
0 Total Gas (units) 1000
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100


4340
4360
4380
4400
4420
4440
4460
4480
4500
4520
4540
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
slide
0 Total Gas (units) 1000
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
Limestone; cream-tan, sub oomoldic, chalky, slighlty oolitic, fair oomoldic porosity, trace brown stain, 30-40% spotty free oil, faint-fair odor
Limestone; as above 30% SFO
Limestone; cream-tan, highly oolitic, oomoldic, fair oomoldic porosity, brown stain, 50-60% SFO, fair-good odor
Limestone; as above
Limestone; cream-tan, oolitic, oomoldic, few scattered oomoldic porosity, brown stain, 30-40% SFO, fair odor
Limestone; as above
plus shale caving
MD 4530 (TVD 3067)
91.1 degrees
Limestone; tan-cream, chalky, oolitic, few oomoldic porosity, trace brown stain, 20-30% spotty free oil, very faint odor


4560
4580
4600
4620
4640
4660
4680
4700
4720
4740
4760
slide
slide
slide
slide
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
Samples very fine-crushed
Limestone; as above
10-15% shale caving
Limestone; cream, fine xln, chalky, few ooliitic-oomoldic pieces, traces brown spotty stain, trace free oil 20-30%
Limestone as above; samples very fine-crushed
10-15% shale caving
Limestone; cream, fine xln, chalky, ooliitic-oomoldic pieces, traces brown spotty stain, trace free oil 20-30%, very faint odor
Limestone as above, very fine / crushed
Limestone; cream-tan, chalky, slighlty oolitic, poor porosity, trace brown stain, 30% spotty free oil, very faint odor
Limestone; as above
10-15% shale caving
Limestone; cream, fine xln, chalky, few ooliitic-oomoldic pieces, traces brown spotty stain, trace free oil 20-30%
changed gas scale
0 Total Gas (units) 1000
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
added oil to mud
MD 4720 (TVD 3066)
89 degrees


0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
4780
4800
4820
4840
4860
4880
4900
4920
4940
4960
4980
slide
0 Total Gas (units) 1000
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100
MD 4878 (TVD 3068)
89.7 degrees
MD 4989 (TVD 3069)
Samples as above; very fine-crushed
10-15% shale caving
Limestone; cream, sub oomoldic, chalky, slighlty oolitic, trace oomoldic porosity, trace brown stain, 30-40% spotty free oil, faint-fair odor (very fine crushed samples)
10-15% shale caving
Limestone; as above
Limestone; cream-tan, trace sub oomoldic, chalky, slighlty oolitic, fair oomoldic porosity, trace brown stain, 30-40% spotty free oil, faint-fair odor
Limestone; cream-tan, highly oolitic, oomoldic, fair oomoldic porosity, brown stain, 50-60% SFO, faint-fair odor
Limestone; as above
Limestone; cream-tan, highly oolitic, oomoldic, fair oomoldic porosity, brown stain, 50-60% SFO, faint odor
lost approximately 40-60 bbls of mud
ROTARY TOTAL DEPTH 4989 MD


89.1 degrees
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16
5000
0 Total Gas (units) 1000
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

ALLIED OIL & GAS SERVICES, LLC 062891

Federal Tax I.D. # 20-8861478

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

Raymond 1 H

DATE 4-6-14	SEC. 27	TWP. 20	RANGE 10	CALLED OUT	ON LOCATION 9:30pm	JOB START 2 AM	JOB FINISH 5 Am
LEASE Raymond	WELL# H1-1	LOCATION Raymond	KW	N Into		COUNTY Rice	STATE KS
OLD OR NEW (Circle one)							

2.02 7.15

CONTRACTOR Sterling Drilling
TYPE OF JOB Production
HOLE SIZE 7 7/8 T.D.
CASING SIZE 5 1/2 DEPTH 2729.72
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 34.41
CEMENT LEFT IN CSG. 34.41
PERFS.
DISPLACEMENT 106.19 bbl freshwater

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac 1
366 HELPER Ben Newell 2
BULK TRUCK
609-239 DRIVER Dan Casper 2
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 125 ASC 10% salt 2% gyd 6# gyf

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC 125	@	20.90	2.612.50 T
HANDLING 147.11	@	2.48	364.83
MILEAGE 1.665 X 25		2.60	432.85
(511.44/15%)		TOTAL	3.409.58

166.25

REMARKS:

On location Rig up run casing preJob
Run 1' casing - Break circulation w/ Rig pump
Circulate 30 min
Pump 10 bbl 10% gel
Mix 125 sx ASC 10% salt 2% gyd 6# gyf
Drop plug
Displace 106.19 bbl freshwater
Land plug 1100 psi 4:15 Am
Rig down

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1513.38
EXTRA FOOTAGE	@		
MILEAGE Hum 25	@	7.70	192.50
MANIFOLD	@		
Hum 25	@	4.40	110.00
	@		
(272.21/15%)		TOTAL	1.814.75

CHARGE TO: Lebsack Oil Production
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1 Box Thread Lock	@	83.07	83.07 T
Latchdown plug	@	396.63	396.63
Insert float shoe	@	747.63	747.63
	@		
	@		
(0%)		TOTAL	1227.33

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 274.54
TOTAL CHARGES 6.451.66
783.69 (15%)
DISCOUNT IF PAID IN 30 DAYS
5.668.01

PRINTED NAME X Tony S. Schlagle

SIGNATURE X Tony S. Schlagle

Thank you!

ALLIED OIL & GAS SERVICES, LLC 062867

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend Ks

DATE 4-3-14	SEC. 27	TWP. 20	RANGE 10w	CALLED OUT 6:30 PM	ON LOCATION 10:00 PM	JOB START 1:30 AM	JOB FINISH 2:30 AM
LEASE Raymond	WELL # H-1	LOCATION Raymond Second Side				COUNTY Rice	STATE Ks
OLD OR NEW (Circle one)		½ west N/into					

7.15

2.01

CONTRACTOR Sterling
TYPE OF JOB Surface
HOLE SIZE 17½ T.D. 294'
CASING SIZE 13⅜ DEPTH 292'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 43

OWNER Same

CEMENT

AMOUNT ORDERED 325 sks Common 3%cc 2% gel

COMMON	325	@ 17.90	5,817.50
POZMIX		@	
GEL	6	@ 23.40	140.40
CHLORIDE	916	@ .80	732.80
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	351.43	@ 2.48	871.55
MILEAGE	16.03 x 25 x	2.60	1042.50
		TOTAL	8,604.75

1290.71

400.96

EQUIPMENT

PUMP TRUCK CEMENTER Tom Dedman
398 HELPER Kevin Bodine
BULK TRUCK
544-198 DRIVER Don Cooper
BULK TRUCK
DRIVER

REMARKS:

Ran 292' of 13⅜ csg. Broke circulation Pump 5 H2O, Mixed 325sks Common 3%cc 2% gel. Displaced with fresh H2O.
Cement Did Circulate

SERVICE

DEPTH OF JOB 292'			
PUMP TRUCK CHARGE			1512.35
EXTRA FOOTAGE		@	
MILEAGE	Hvy 25	@ 7.70	192.50
MANIFOLD		@	
	Lvy 25	@ 4.40	110.00
		@	
		TOTAL	1,814.25

272.21

CHARGE TO: Lebsack oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 478.38
TOTAL CHARGES 10,419.50
DISCOUNT 1,562.92 IF PAID IN 30 DAYS
8,856.58

PRINTED NAME X Larry S. Salazar

SIGNATURE X [signature]

Lebsack Oil Production Inc.

PHOENIX TECHNOLOGY SERVICES

Raymond Lease - Rice County, KS
Raymond #1-H
13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Longitude: 98° 25' 27.736 W
Latitude: 38° 16' 30.433 N
Northing: 1898024.71
Easting: 1334044.22
Design #2

Azimuths to True North
Magnetic North: 4.63°

Magnetic Field
Strength: 52276.1snT
Dip Angle: 66.10°
Date: 2/26/2014
Model: IGRF2010_14

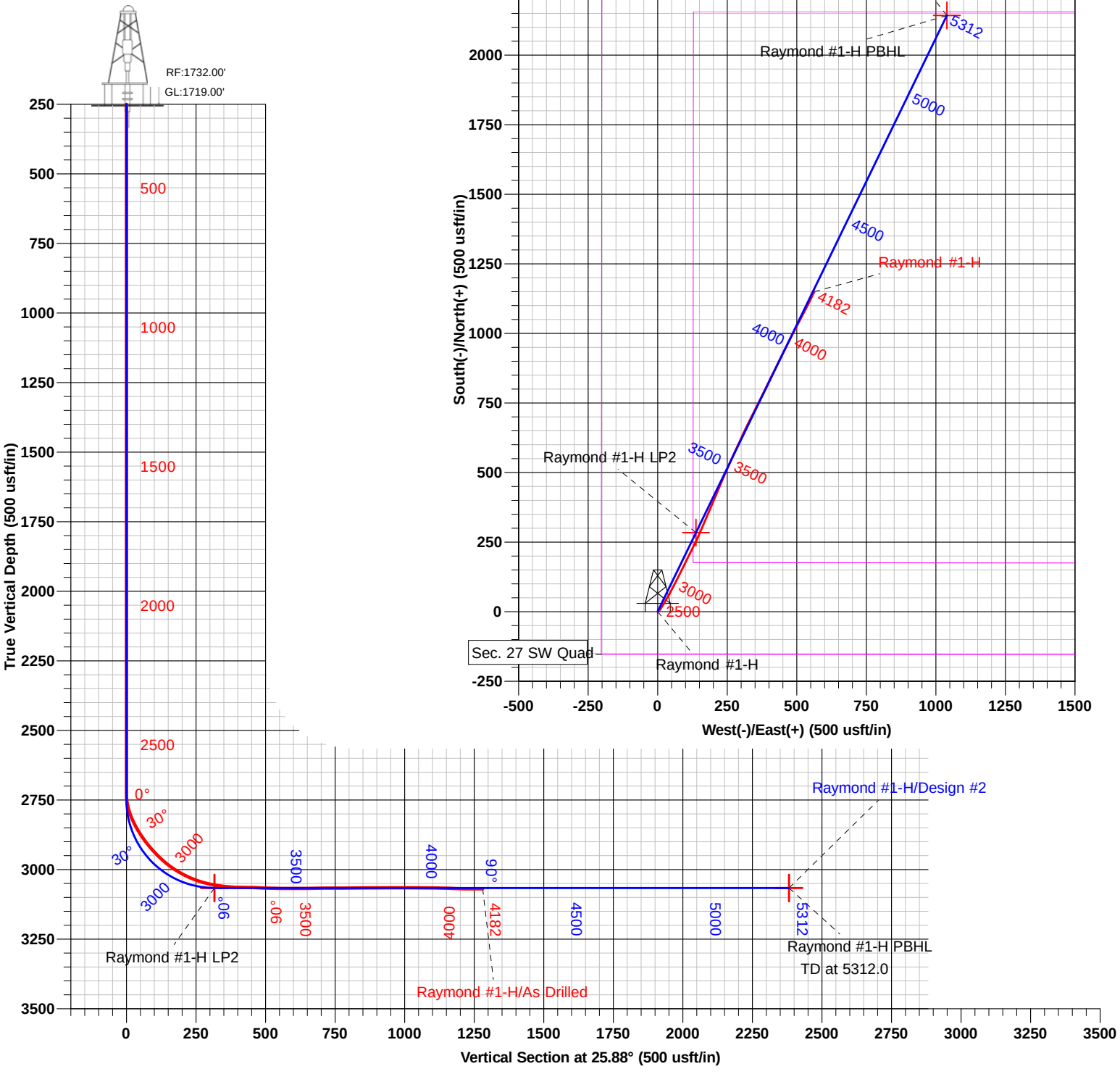
To convert a Magnetic Direction to a Grid Direction, Add 4.58°
To convert a True Direction to a Grid Direction, Subtract 0.05°

PROJECT DETAILS: Raymond Lease

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Kansas Southern Zone
System Datum: Mean Sea Level

WELL DETAILS: Raymond #1-H

+N/-S	+E/-W	Northing	Ground Level: 1719.0 Easting	Latitude	Longitude
0.0	0.0	1898024.71	1334044.22	38° 16' 30.433 N	98° 25' 27.736 W



PHOENIX
TECHNOLOGY SERVICES

Lebsack Oil Production Inc.

Raymond Lease
Raymond Lease - Rice County, KS
Raymond #1-H

Original Well

Design: As Drilled

Standard Survey Report

15 April, 2014

Phoenix Technology Services

Survey Report

Company:	Lebsack Oil Production Inc.	**Local Co-ordinate Reference:**	Well Raymond #1-H
Project:	Raymond Lease	**TVD Reference:**	13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Site:	Raymond Lease - Rice County, KS	**MD Reference:**	13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Well:	Raymond #1-H	**North Reference:**	True
Wellbore:	Original Well	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Local database

Project Raymond Lease

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		

Site Raymond Lease - Rice County, KS

Site Position:		**Northing:**	1,898,024.67 usft	**Latitude:**	38° 16' 30.433 N
From:	Lat/Long	**Easting:**	1,333,994.22 usft	**Longitude:**	98° 25' 28.363 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.05 °

Well Raymond #1-H

Well Position	**+N/-S**	0.0 usft	**Northing:**	1,898,024.71 usft	**Latitude:**	38° 16' 30.433 N
	+E/-W	0.0 usft	**Easting:**	1,334,044.22 usft	**Longitude:**	98° 25' 27.736 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	1,719.0 usft

Wellbore Original Well

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	2/26/2014	4.63	66.10	52,276

Design As Drilled

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	27.72

Survey Program **Date** 4/15/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
2,729.0	4,182.0	Phoenix MWD (Original Well)	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
2,729.0	0.00	0.00	2,729.0	0.0	0.0	0.0	0.00	0.00	0.00
2,751.0	7.50	60.90	2,750.9	0.7	1.3	1.2	34.09	34.09	0.00
2,781.0	15.70	43.70	2,780.3	4.6	5.8	6.8	29.37	27.33	-57.33
2,813.0	22.90	33.60	2,810.5	12.9	12.2	17.1	24.72	22.50	-31.56
2,844.0	27.80	30.90	2,838.5	24.2	19.3	30.4	16.24	15.81	-8.71
2,876.0	31.80	30.70	2,866.3	37.8	27.4	46.2	12.50	12.50	-0.63
2,908.0	35.70	30.40	2,892.9	53.1	36.5	64.0	12.20	12.19	-0.94
2,939.0	39.70	28.50	2,917.4	69.6	45.8	82.9	13.44	12.90	-6.13

Company:	Lebsack Oil Production Inc.	**Local Co-ordinate Reference:**	Well Raymond #1-H
Project:	Raymond Lease	**TVD Reference:**	13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Site:	Raymond Lease - Rice County, KS	**MD Reference:**	13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Well:	Raymond #1-H	**North Reference:**	True
Wellbore:	Original Well	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Local database

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,971.0	43.70	26.80	2,941.3	88.5	55.6	104.2	12.99	12.50	-5.31
3,003.0	48.10	26.60	2,963.5	109.0	65.9	127.2	13.76	13.75	-0.63
3,034.0	52.10	27.00	2,983.4	130.2	76.7	151.0	12.94	12.90	1.29
3,066.0	57.40	26.50	3,001.9	153.6	88.4	177.1	16.61	16.56	-1.56
3,098.0	62.80	26.90	3,017.8	178.3	100.9	204.8	16.91	16.88	1.25
3,130.0	67.10	26.90	3,031.4	204.2	114.0	233.8	13.44	13.44	0.00
3,161.0	71.90	26.20	3,042.2	230.2	127.0	262.8	15.63	15.48	-2.26
3,192.0	77.00	25.40	3,050.5	257.0	140.0	292.6	16.64	16.45	-2.58
3,218.6	80.07	23.65	3,055.8	280.7	150.8	318.6	13.23	11.56	-6.58
Raymond #1-H LP2									
3,224.0	80.70	23.30	3,056.7	285.6	152.9	324.0	13.23	11.58	-6.50
3,255.0	83.90	22.90	3,060.9	313.9	165.0	354.6	10.40	10.32	-1.29
3,296.0	88.40	23.20	3,063.6	351.5	181.0	395.4	11.00	10.98	0.73
3,327.0	89.00	23.40	3,064.3	380.0	193.2	426.3	2.04	1.94	0.65
3,359.0	89.50	23.40	3,064.8	409.3	205.9	458.2	1.56	1.56	0.00
3,391.0	87.40	22.70	3,065.6	438.8	218.5	490.0	6.92	-6.56	-2.19
3,422.0	87.20	22.30	3,067.1	467.4	230.3	520.9	1.44	-0.65	-1.29
3,454.0	89.00	23.40	3,068.1	496.9	242.7	552.7	6.59	5.63	3.44
3,485.0	90.20	24.40	3,068.4	525.2	255.3	583.7	5.04	3.87	3.23
3,517.0	90.80	24.50	3,068.1	554.3	268.5	615.6	1.90	1.88	0.31
3,548.0	91.50	24.70	3,067.5	582.5	281.4	646.6	2.35	2.26	0.65
3,580.0	90.60	25.30	3,066.9	611.5	295.0	678.5	3.38	-2.81	1.88
3,612.0	89.80	24.60	3,066.8	640.5	308.4	710.5	3.32	-2.50	-2.19
3,644.0	90.20	25.30	3,066.8	669.5	321.9	742.4	2.52	1.25	2.19
3,675.0	89.90	26.10	3,066.7	697.5	335.4	773.4	2.76	-0.97	2.58
3,707.0	90.50	27.00	3,066.6	726.1	349.7	805.4	3.38	1.88	2.81
3,740.0	91.10	27.00	3,066.2	755.5	364.7	838.4	1.82	1.82	0.00
3,770.0	89.70	26.20	3,066.0	782.3	378.1	868.4	5.37	-4.67	-2.67
3,802.0	90.20	26.30	3,066.0	811.0	392.3	900.4	1.59	1.56	0.31
3,834.0	91.50	26.50	3,065.5	839.7	406.5	932.4	4.11	4.06	0.63
3,865.0	90.50	25.90	3,065.0	867.5	420.2	963.4	3.76	-3.23	-1.94
3,897.0	89.10	25.60	3,065.1	896.3	434.1	995.3	4.47	-4.38	-0.94
3,929.0	89.10	26.20	3,065.6	925.1	448.0	1,027.3	1.87	0.00	1.88
3,960.0	90.10	27.50	3,065.8	952.7	462.0	1,058.3	5.29	3.23	4.19
3,992.0	89.30	28.10	3,066.0	981.0	477.0	1,090.3	3.12	-2.50	1.88
4,023.0	88.70	27.30	3,066.5	1,008.5	491.4	1,121.3	3.23	-1.94	-2.58
4,055.0	88.40	27.50	3,067.3	1,036.9	506.1	1,153.3	1.13	-0.94	0.63
4,087.0	88.30	27.40	3,068.2	1,065.3	520.8	1,185.3	0.44	-0.31	-0.31
4,118.0	88.80	26.70	3,069.0	1,092.9	534.9	1,216.3	2.77	1.61	-2.26
4,151.0	89.80	26.20	3,069.4	1,122.4	549.6	1,249.3	3.39	3.03	-1.52
4,182.0	90.20	25.60	3,069.4	1,150.3	563.2	1,280.2	2.33	1.29	-1.94
Raymond #1-H PBHL									

Company:	Lebsack Oil Production Inc.	**Local Co-ordinate Reference:**	Well Raymond #1-H
Project:	Raymond Lease	**TVD Reference:**	13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Site:	Raymond Lease - Rice County, KS	**MD Reference:**	13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)
Well:	Raymond #1-H	**North Reference:**	True
Wellbore:	Original Well	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Local database

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)

Checked By: _____ Approved By: _____ Date: _____