

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

COPY

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32993  
Name: Calumet Eakin Gas Co., LLC  
Address: 2455 E. 51st Street, Suite 101  
City/State/Zip: Tulsa, OK 74105  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Mike Graves  
Phone: (918) 293-1519  
Contractor: Name: Smith Oil Field Services, Inc.  
License: 32998  
Wellsite Geologist: Tarry C. Smith  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp.  Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: N/A  
Well Name: N/A  
Original Comp. Date: N/A Original Total Depth: N/A  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_  
3/12/02 3/14/02 7/31/03  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

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API No. 15 - 125-30085-00-00  
County: Montgomery  
    -     - C - NW Sec. 17 Twp. 34 S. R. 15  East  West  
1320' feet from S /  (N) (circle one) Line of Section  
1320' feet from  (E) / W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one)  (NE) SE NW SW  
Lease Name: Vaverka-Calumet Well #: 1  
Field Name: Wayside-Havana  
Producing Formation: Riverton coal  
Elevation: Ground: 812 Kelly Bushing: N/A  
Total Depth: 1410' Plug Back Total Depth: 1375  
Amount of Surface Pipe Set and Cemented at 42 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 8000 ppm Fluid volume 456 bbls  
Dewatering method used Tank truck  
Location of fluid disposal if hauled offsite:  
Operator Name: Ricks Well Service  
Lease Name: Smith #1 License No.: 32045  
Quarter SE/4 Sec. 33 Twp. 31 S. R. 17  East  West  
County: Montgomery Docket No.: D-25900

TA's on 10-23-03

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Michael Graves  
Title: Michael L. Graves, Agent Date: October 21, 2003  
Subscribed and sworn to before me this 21 day of October,  
19 2003  
Notary Public: Stacy Bailey  
Date Commission Expires: November 27, 2003

KCC Office Use ONLY

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Calumet Eakin Gas Co., LLC Lease Name: Vaverka-Calumet Well #: 1  
 Sec. 17 Twp. 34 S. R. 15  East  West County: Montgomery

**INSTRUCTIONS:** Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Big Lime	532	+280
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Oswego	680	+132
List All E. Logs Run:		Bartlesville	1108	-296
CDLN		Riverton	1305	-493
DIL		Mississippi Lime	1328	-516
GR (partial - see attached)				

CASING RECORD <input checked="" 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
surface	11 1/4"	8 5/8"	28#	42'	Class A	6	see attached
production csg	6 3/4"	4 1/2"	10.5	1375	Class A	120	100 sks Diacel

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	N/A			

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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
4	1305' to 1307 1/2'	300 gal 15% acid + 1500# 20/40 frac sand	1305'
	CIBP set at 1190		
4	1122' to 1136'	600 gal 15 % NEFE acid	1122'

TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	2/38"	1270'			

Date of First, Resumed Production, SWD or Enhr.	Producing Method	Flowing <input type="checkbox"/>	<input checked="" type="checkbox"/> Pumping	Gas Lift <input type="checkbox"/>	Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas tstm	Mcf	Water 1	Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: \_\_\_\_\_ METHOD OF COMPLETION: \_\_\_\_\_ Production Interval: **TA'd with 1122-1136 open**

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_  
 (If vented, Sumit ACO-18.)  Other (Specify) \_\_\_\_\_

Exhibit "A"  
To Form ACO-1  
Calumet-Eakin Gas Company, LLC  
Vaverka-Calumet #1, C NW Sec. 17-34S-15E  
Montgomery County

This company was originally managed by John Eakin, until on September 3, 2002, Calumet Oil Company decided to take over operations. Not all of the paperwork kept by Eakin Exploration was turned over to Calumet, including the GRCB log originally run on this well. When we came up the hole to test the Bartlesville we ran a strip GR across the top of the Bartlesville to orient our perforations. A copy of that is attached.

Geologist Report – no written report was made by our geologist.

Surface cement; surface cement was provided by the drilling contractor.

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KANSAS CORPORATION COMMISSION  
Temporary Abandonment Well Application

All information must be typed

CONSERVATION DIVISION  
WICHITA, KS

All Requested Information Must Be Shown

OPERATOR LIC.# 32993  
DATE October 21, 2003  
OPERATOR NAME Calumet-Eakin Gas Co., LLC  
MAILING ADDRESS 2455 E. 51st St., Suite 101  
CITY, STATE Tulsa, OK 74105 ZIP \_\_\_\_\_  
CONTACT PERSON Michael L. Graves PHONE 918-749-3606  
PURCHASER (If Known) OLD: N/A NEW: N/A

LEASE NAME Vaverka-Calumet SEC. 17 TWP. 34 R. 15 (E) W COUNTY Mont.  
WELL # 1 SPOT LOCATION - C - NW 1320 FEET FROM S (N) LINE OF SECTION  
(circle one above)  
API NO. 15- 125-30085-00-00 FEET FROM E (W) LINE OF SECTION  
(circle one above)  
TYPE OF WELL \* See "reason for TA request" TOTAL DEPTH 1410  
DATED DRILLED 3/12/02 DATE SHUT-IN 7/31/03  
DOCKET NO. IF SMD OR ENHR \_\_\_\_\_

\*TYPE OF WELL INDEX (circle one): OIL GAS SMD ENHR WSW Other  
SEE "REASON FOR TA REQUEST"  
OTHER CASING

SURFACE CASING

TEMPORARY ABANDONMENT	PLUG BACK DEPTH	PLUG BACK METHOD	DEPTH TO FLUID FROM SURFACE	GL/DF/KB ELEVATION	SIZE	DEPTH	CEMENT AMOUNT	CONDITION OF CASING	SIZE	DEPTH	CEMENT AMOUNT	CONDITION OF CASING
	1190	CIBP	1250	812	8 5/8"	42	6 sks	New	4 1/2"	1375	120 sks	New

REASON FOR TA REQUEST: well is subject to Farmout Agreement and Operator may wish to take over wellbore for further testing. Negotiations in progress. We consider well dryhole but Mulky/Summit, etc. not tested.

DEPTH AND TYPE OF TOOLS/JUNK IN HOLE \_\_\_\_\_  
TYPE COMPLETION: ALT. I [ ] ALT. II [ X ] DEPTH TD to surface CEMENT AMOUNTS 6 & 120 sks  
TUBING IN HOLE: 2 3/8" INCH AT 1145 FEET  
PACKER TYPE: N/A SIZE \_\_\_\_\_ INCH SET AT \_\_\_\_\_ FEET

GEOLOGICAL DATA: FORMATION NAME

	FORMATION TOP	FORMATION BASE	
1. <u>Riverton Coal</u>	At: <u>1305</u>	to <u>1307.5</u>	feet Perforation [XX] or Open Hole [ ]
2. <u>Bartlesville Sand</u>	At: <u>1122</u>	to <u>1136</u>	feet Perforation [XX] or Open Hole [ ]
3. _____	At: _____	to _____	feet Perforation [ ] or Open Hole [ ]

DO NOT WRITE IN THIS SPACE - KCC USE ONLY	DATE TESTED	RESULTS	DATE PLUGGED	DATE REPAIRED	DATE PUT BACK IN SERVICE
REVIEW COMPLETED BY: _____					
COMMENTS: _____				T.A. APPROVED: YES [ ] DENIED [ ]	

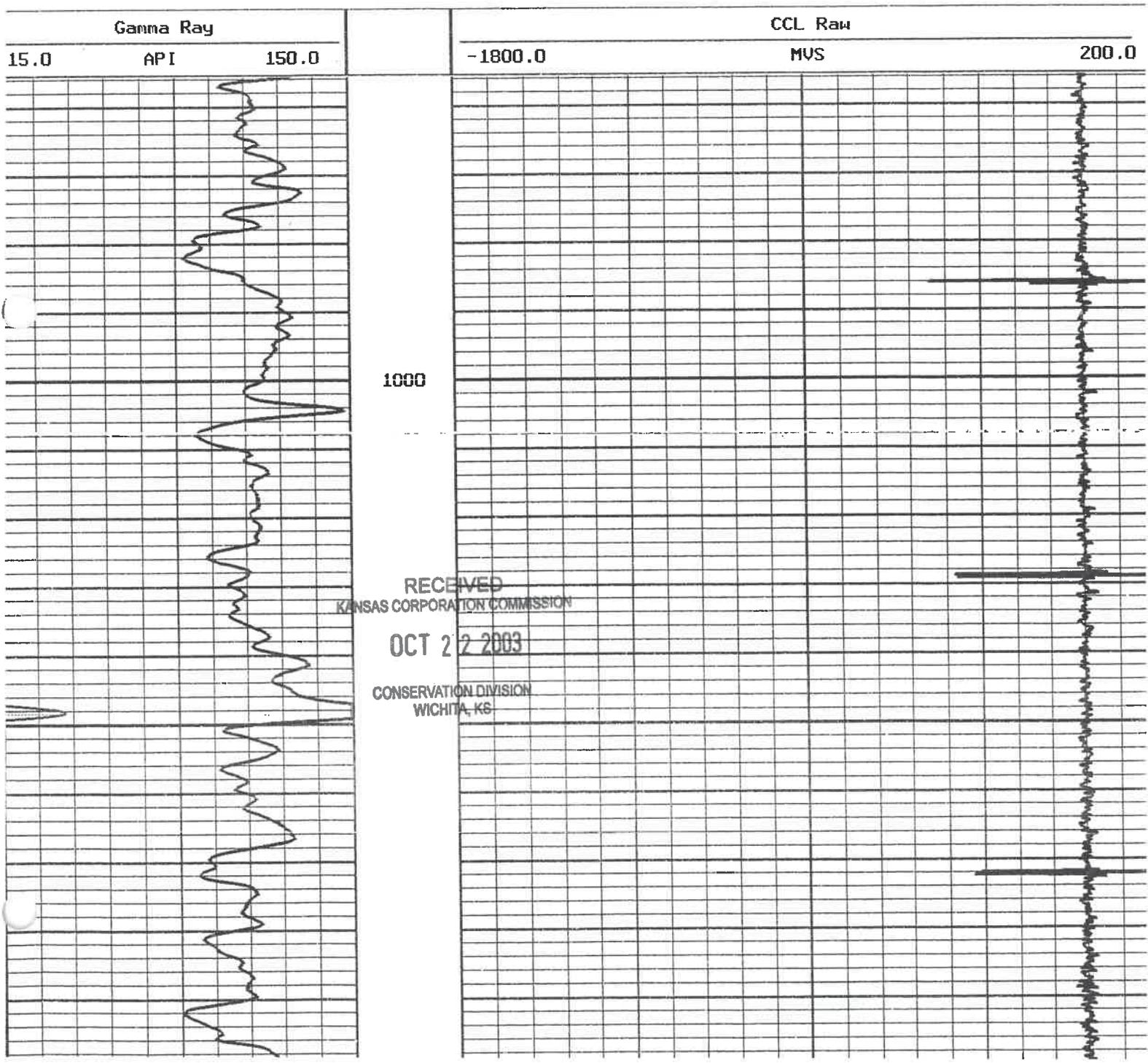
In all applications complete other side - form must be signed and notarized.

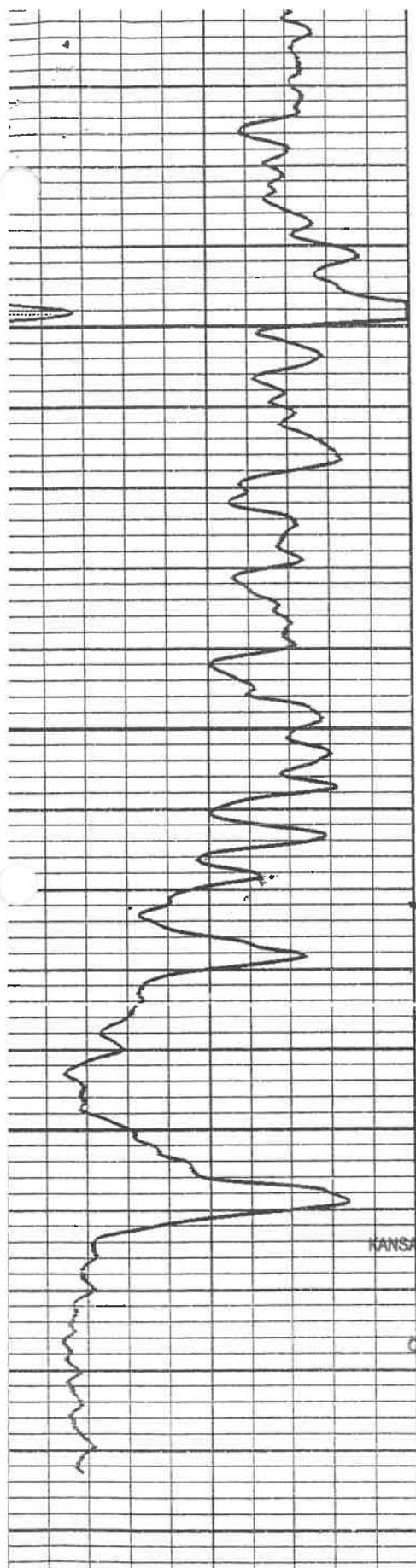
LAVERKA # 1

STOP DEPTH: 955.6 FEET  
DIRECTION: UP 1:240  
FILE: 3804gr.PTS

# MAIN SECTION

FILE DATE: 07-14-2003  
TIME: 15:19  
PLOT DATE: 07-14-2003  
TIME: 15:47 V1.58





1100

1122

1129.32

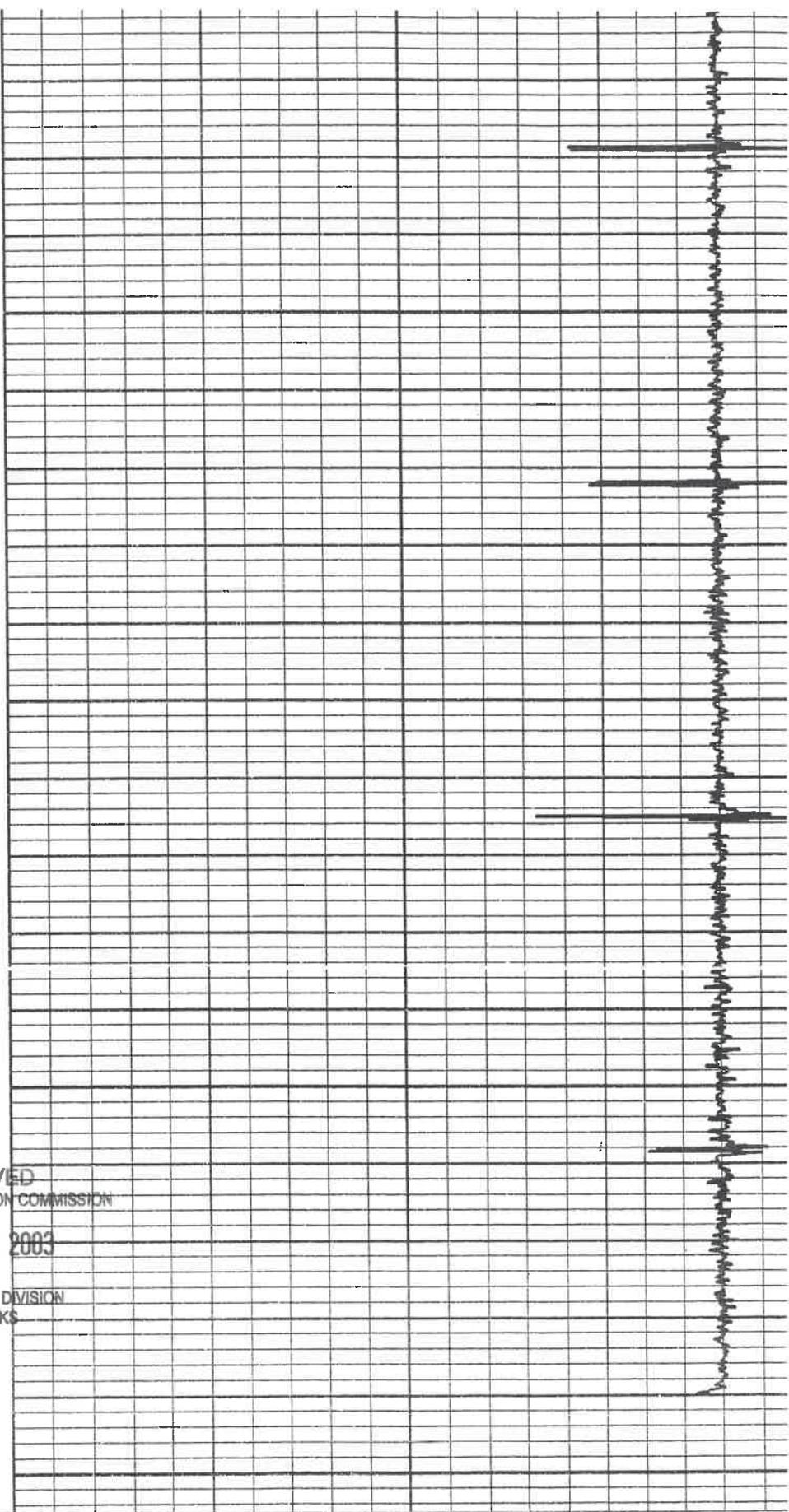
1136

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1200



Gamma Ray

CCL Raw

15.0 API 150.0

-1800.0 MUS 200.0

START DEPTH: 1205.0 FEET  
DIRECTION: UP 1:240  
FILE: 3804gr.PTS

# MAIN SECTION

FILE DATE: 07-14-2003  
TIME: 15:19  
PLOT DATE: 07-14-2003  
TIME: 15:46 V1.58