

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
March 2009

APPLICATION FOR COMMINGLING OF
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Commingling ID # CO 071106

OPERATOR: License # 32446
Name: MERIT ENERGY COMPANY
Address 1: 13727 NOEL RD, STE.500
Address 2: _____
City: DALLAS State: TX Zip: 75240 + _____
Contact Person: CHERYL PATRICK
Phone: (972) 628-1504

API No. 15 - 175-21724 - 00 - 00
Spot Description: _____
C NW NW NW Sec. 31 Twp. 34 S. R. 32 East West
350 Feet from North / South Line of Section
350 Feet from East / West Line of Section
County: Seward
Lease Name: Blackmer A Well #: 4

1. Name and upper and lower limit of each production interval to be commingled:
Formation: Chester A (Perfs): 6324 - 6358
Formation: St. Louis (Perfs): 6550 - 6561
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____

2. Estimated amount of fluid production to be commingled from each interval:
Formation: Chester A BOPD: 0.5 MCFPD: 4 BWPD: 10
Formation: St. Louis BOPD: 5.0 MCFPD: 4 BWPD: 10
Formation: _____ BOPD: _____ MCFPD: _____ BWPD: _____
Formation: _____ BOPD: _____ MCFPD: _____ BWPD: _____
Formation: _____ BOPD: _____ MCFPD: _____ BWPD: _____

3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.

4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

For Commingling of PRODUCTION ONLY, include the following:

- 5. Wireline log of subject well. Previously Filed with ACO-1: Yes No
- 6. Complete Form ACO-1 (Well Completion form) for the subject well.

For Commingling of FLUIDS ONLY, include the following:

- 7. Well construction diagram of subject well.
- 8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

AFFIDAVIT: I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

Signature: M Cheryl Patrick
Printed Name: M. Cheryl Patrick
Title: Regulatory

KCC Office Use Only
 Denied Approved
15-Day Periods Ends: 7/29/2011
Approved By: _____ Date: _____

Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.

Ref: _____ Date: 17May11
Dep: _____ Wgt: 0.5 LBS
DV: _____ 0.00
SHIPPING: 8.43
SPECIAL: 1.31
HANDLING: 0.00
TOTAL: 9.74

Svcs: ** 2DAY **
TRCK: 9817 2136 8423

RECEIVED
JUL 18 2011

Mail with all required attachments and files to: KCC - Conservation Division, 130 S. ...

KCC WICHITA



MERIT ENERGY COMPANY

13727 Noel Road · Suite 500 · Dallas, Texas 75240
Ph 972.701.8377 · Fx 972.960.1252 · www.meritenergy.com

July 14, 2011

Rick Hestermann
KCC- Conservation Div.
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Re: Commingle Application
Blackmer A #4
15-175-21724
Seward County

Dear Mr. Hestermann,

Attached please find the Affidavit of Notification of the Offset Operator and Unleased Mineral Owner for our commingle application for the Blackmer A #4. Original application was sent to you on May 17, 2011.

If you have any questions or need additional information you may contact me at 972-628-1504 or by email at Cheryl.patrick@meritenergy.com

Sincerely,

Cheryl Patrick
Regulatory Analyst



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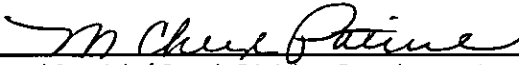
KCC WICHITA

MERIT ENERGY COMPANY
13727 NOEL RD. STE. 500
DALLAS, TX 75240
OPERATOR NO. 32446

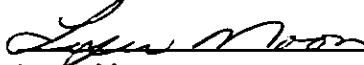
AFFIDAVIT OF MAILING

API# 15-175-21724
Sec. 031- T34S-R324W
C- NW - NW - NW
Seward County, Kansas

This is to certify that MERIT ENERGY COMPANY has notified the following Offset Operator and Unleased Mineral Owner of our application to commingle the St. Louis and Chester A zones in the Blackmer A #4 located approximately C NW NW NW Sec.31- T34S- R32 W in Seward County, Kansas on July 14th, 2011


M. Cheryl Patrick / South Division Regulatory Analyst

Subscribed and sworn to before me is this on the 14th day of July, 2011.


Lynne Moon
Notary Public




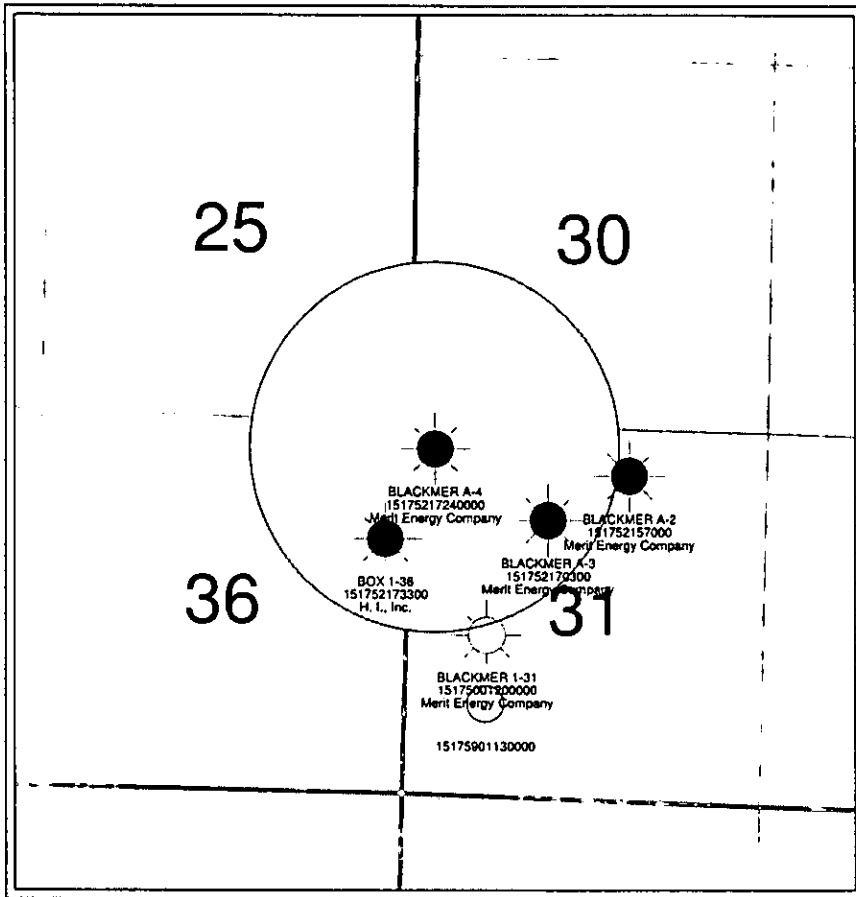
OFFSET OPERATOR

H.I., Inc.
P O Box 2526
Liberal, KS 67901

Unleased Mineral in 1/2 Radius

Richard and Galen Arnett
17759 Rd 1
Liberal, KS 67901


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Merit Energy Company

Blackmer A-4 Plat

1/2 Mile Radius and Lease Wells
Section 31, T34S, R32W



POSTED WELL DATA

●
Well Label
UWI
Operator

WELL SYMBOLS

- ☉ Gas Well
- Oil & Gas Well

REMARKS

Blackmer A-4 is in the NWNW of 31-T34S-R32W

By: TJW

April 21, 2011

PETRA 4/21/2011 3:29:30 PM

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PROOF OF PUBLICATION

STATE OF KANSAS, SEWARD COUNTY, ss:

Betty J. Dubois being first duly sworn, deposes and says: That he is the publisher - principal clerk - of

The HIGH PLAINS DAILY LEADER & TIMES

a newspaper printed in the State of Kansas, and published in and of general circulation in Seward County, Kansas, with a general paid circulation on a daily basis in Seward County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is published at least weekly 50 times a year; has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Liberal in said County as periodical matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for one time, the publication thereof being made as

aforesaid on the 5th day of May, 2011.

Betty J. Dubois
945
SUBSCRIBED AND SWORN to before me this 9th day of May, 2011.

[Signature]
Notary Public

My Commission Expires, 1/3, 2013

Printer's Fee . . . \$ 52.65

NOTARY PUBLIC - STATE OF KANSAS
DENASA M. RICE
Commission Expires 1/3/13

LEGAL PUBLICATION
Published in the High Plains Daily Leader
May 5, 2011
Before the State Commission of the State of Kansas
Notice of Filing Application

Re: Merit Energy Company- Application for the permit to authorize the commingling of zones in the Blackmer A #4, located in Seward County, Kansas.

To: All Oil and Gas Producers, Unleased Mineral Interest Owners, Landowners and all persons whomever concerned.

You, and each of you, are hereby notified that Merit Energy Company has filed an application to commingle the Chester A and St. Louis zones in the Blackmer A #4, located approximately C NW NW NW Sec.31- 34S, 32W in Seward County, Kansas.

All persons who object to or protest this application shall be required to file their objections or protests with the Conservation Commission of the State of Kansas within (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why the grant of the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas. If no protests are received, this application may be granted through a summary proceeding. If valid protests are received, this matter will be set for hearing.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Merit Energy Company
13727 Noel Road
Suite 500
Dallas, TX 75240
972-628-1500
Attn: Lynne Moon

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MAY 19 2011
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AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for _1_ issues, that the first publication of said notice was

made as aforesaid on the 2nd of

May A.D. 2011, with

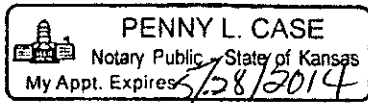
subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

Mark Fletchall

Subscribed and sworn to before me this

2nd day of May, 2011



Penny L Case

Notary Public Sedgwick County, Kansas

Printer's Fee : \$110.80

LEGAL PUBLICATION

Published In The Wichita Eagle
May 2, 2011 (3113357)
LEGAL PUBLICATION
Before the State Commission
of the State of Kansas
Notice of Filing Application

Re: Merit Energy Company- Application for the permit to authorize the commingling of zones in the Blackmer A #4, located in Seward County, Kansas.

To: All Oil and Gas Producers, Unleased Mineral Interest Owners, Landowners and all persons whomsoever concerned.

You, and each of you, are hereby notified that Merit Energy Company has filed an application to commingle the Chester A and St. Louis zones in the Blackmer A #4, located approximately C NW NW NW Sec.31- 34S, 32W in Seward County, Kansas.

All persons who object to or protest this application shall be required to file their objections or protests with the Conservation Commission of the State of Kansas within (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why the grant of the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas. If no protests are received, this application may be granted through a summary proceeding. If valid protests are received, this matter will be set for hearing.

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Merit Energy Company
13727 Noel Road
Suite 500
Dallas, TX 75240
972-628-1500
Attn: Lynne Moon

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FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLF

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

5-7-98 5-16-98 6-23-98
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21724

County SEWARD

30'S & 30'E OF E
C - NW - NW - NW Sec. 31 Twp. 34 Rge. 32 X W

350 Feet from NWX (circle one) Line of Section

350 Feet from N(circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name BLACKMER "A" Well # 4

Field Name CONDIT

Producing Formation CHESTER

Elevation: Ground 2774.5 KB _____

Total Depth 6640 PBD 6410

Amount of Surface Pipe Set and Cemented at 1607 Feet

Multiple Stage Cementing Collar Used? _____ Yes X 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 1100 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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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 on 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 L. Marc Harvey

L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 08/26/98

Subscribed and sworn to before me this 26th day of August

19 98.
Notary Public Freda L. Hinz

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C _____ Wireline Log Received
C _____ Geologist Report Received

Distribution
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BLACKMER "A" Well # 4

Sec. 31 Twp. 34 Rge. 32 East County SEWARD
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: STL-CCL-GR, DIL-MLL, CNL-LDT-ML.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> <tr> <td>CHASE</td> <td>2614</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2966</td> <td></td> </tr> <tr> <td>HEEBNER</td> <td>4320</td> <td></td> </tr> <tr> <td>TORONTO</td> <td>4352</td> <td></td> </tr> <tr> <td>LANSING</td> <td>4494</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>5186</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5435</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5788</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>6032</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>6390</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>6550</td> <td></td> </tr> </table>	Name	Top	Datum	CHASE	2614		COUNCIL GROVE	2966		HEEBNER	4320		TORONTO	4352		LANSING	4494		MARMATON	5186		CHEROKEE	5435		MORROW	5788		CHESTER	6032		STE. GENEVIEVE	6390		ST. LOUIS	6550	
Name	Top	Datum																																			
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STE. GENEVIEVE	6390																																				
ST. LOUIS	6550																																				

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	12-1/4"	8-5/8"	23.0	1607	CLASS C/ CLASS C.	335/100	3%CC, 1/4%SK FLC/ 2%CC, 1/4%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6640	50/50 POZ/ 50/50 POZ.	50/260	.75% HALAD 322, 10% SALT, 1/4%SK FLC/SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: _____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	6550-6561, CIBP @ 6410.		ACID: 825 GAL 15% HCL.		6550-6561
3	6324-6332, 6347-6358.		ACID: 950 GAL 7% HCL.		6324-6358 (OA)
			FRAC: 11500 GAL FOAMED GEL & 690# 16/30 SD.		6324-6358 (OA)
			FRAC: 49137 GAL FOAMED GEL & 136505# 16/30 SD.		6324-6358 (OA)
			FRAC: 29000 GAL GEL & 40000# 16/30 SD.		6324-6358 (OA)

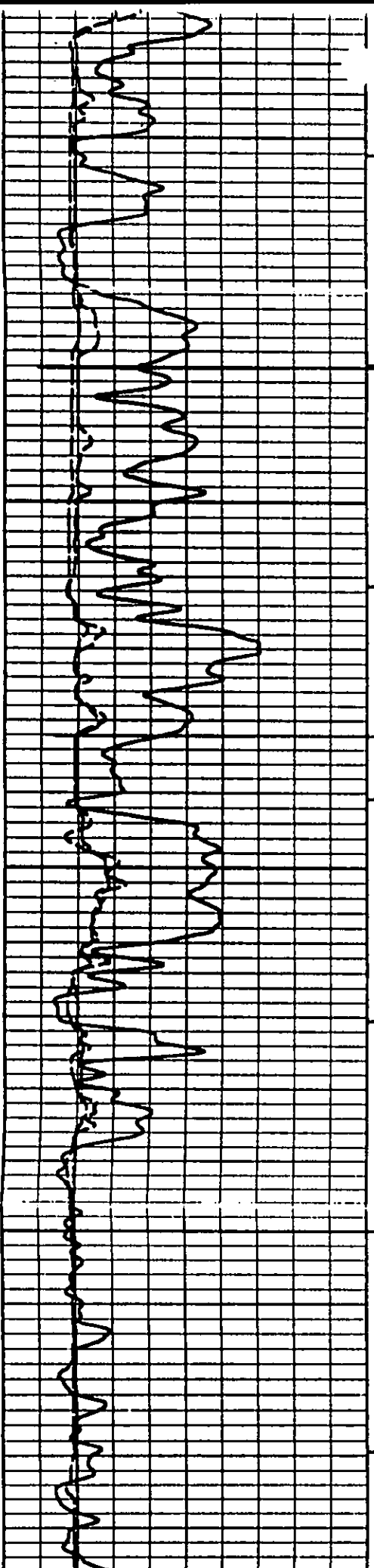
TUBING RECORD	Size 2 3/8"	Set At 6360	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. 6-26-98		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 3 Bbls.	Gas 65 Mcf	Water 8 Bbls.	Gas-Oil Ratio 21667 Gravity NA

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval 6324-6358 (OA)



LOWER MURROW

0009

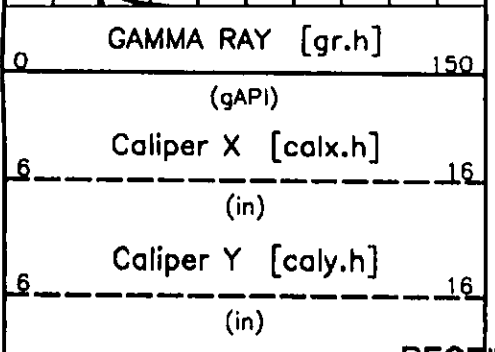
10
14

CHESTER

200

100

5100



GAMMA RAY [gr.h]

0 150

(gAPI)

Caliper X [calx.h]

6 16

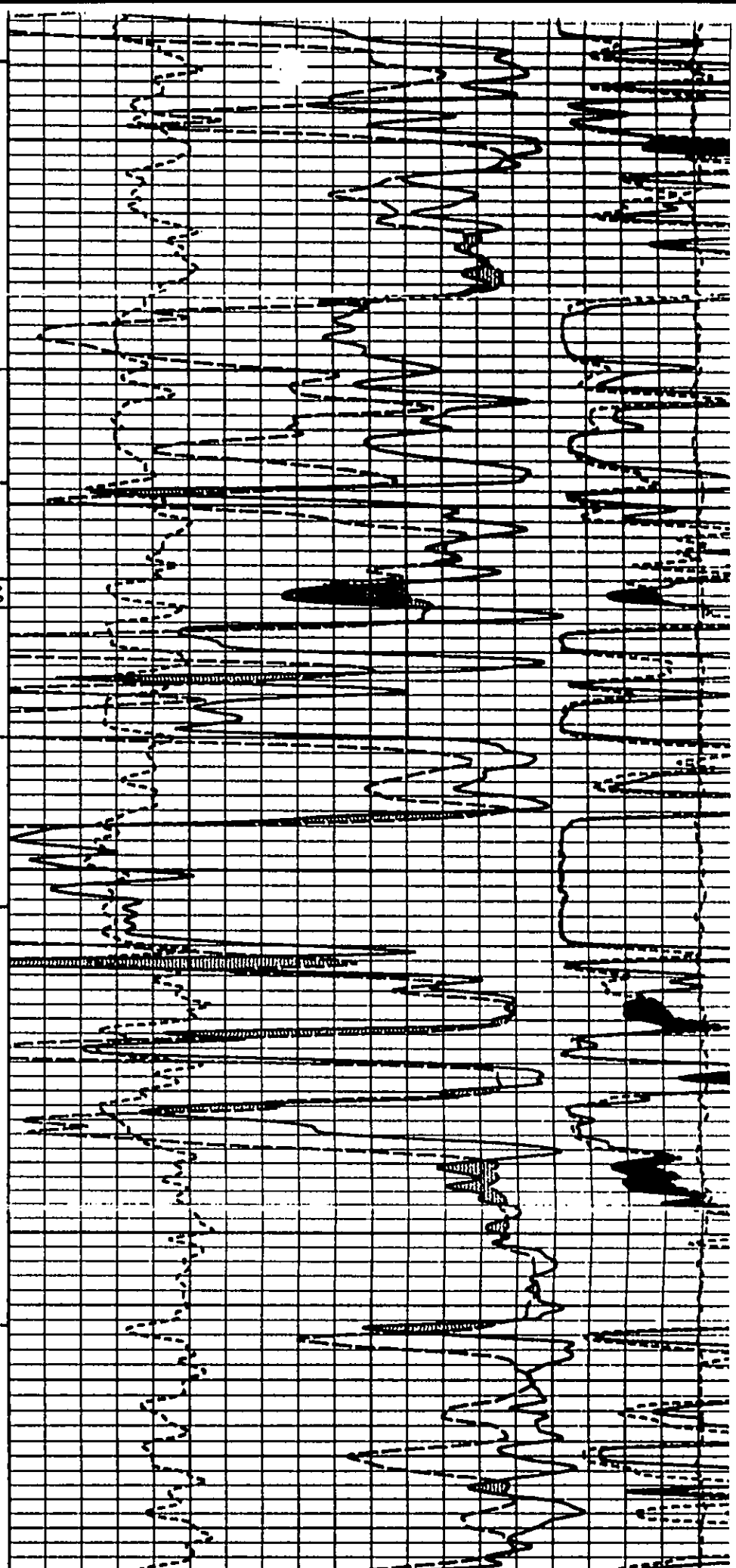
(in)

Caliper Y [caly.h]

6 16

(in)

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P.E. [pe.h]

0 10
(b/e)

MICRO INVERSE [rml.h]

0 20
(ohm.m)

Z-DENSITY POROSITY [porz.h]

30 -10
(pu)

NEUTRON POROSITY [cncqh]

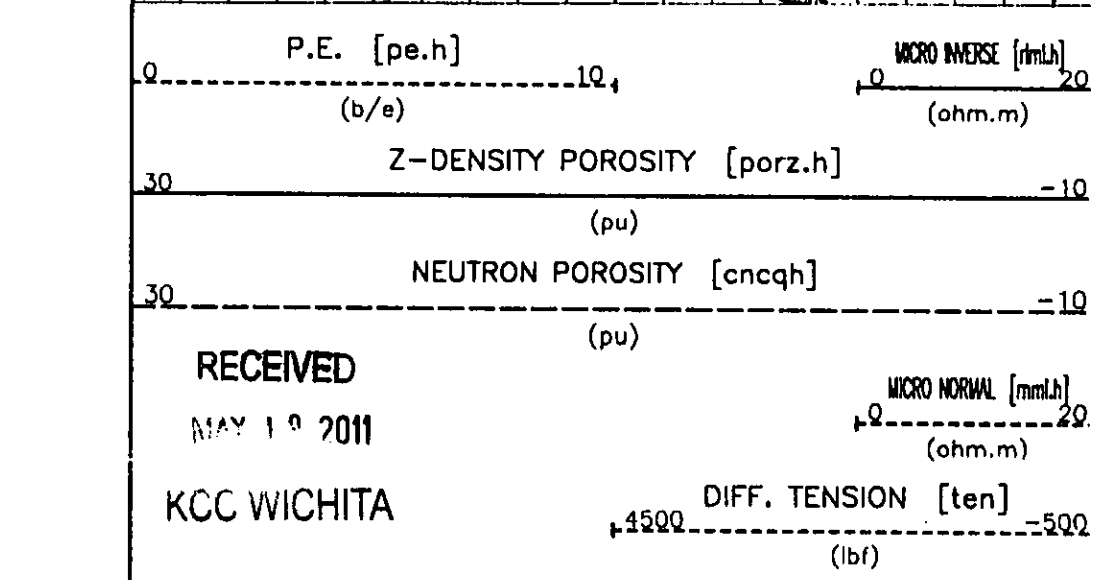
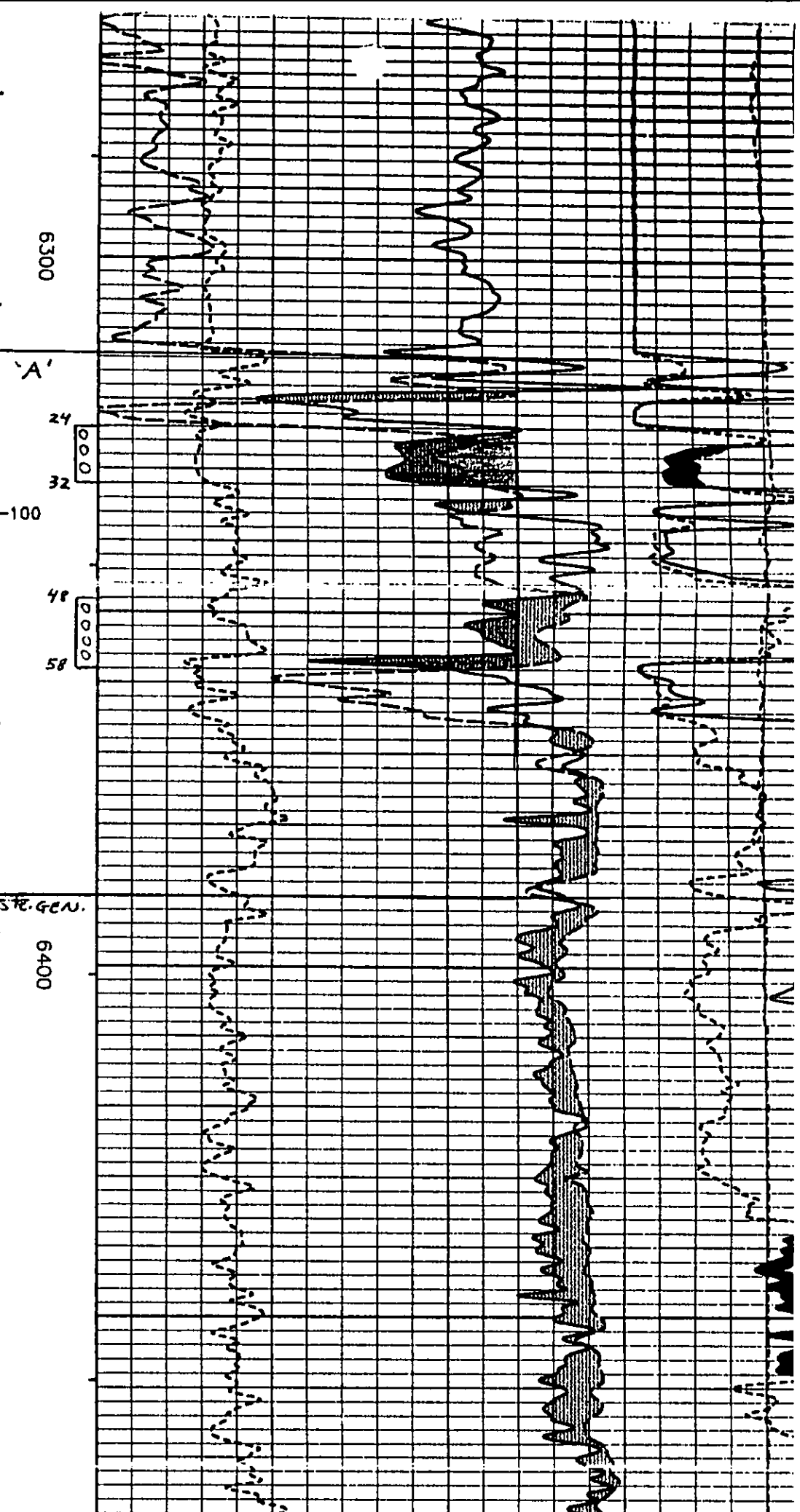
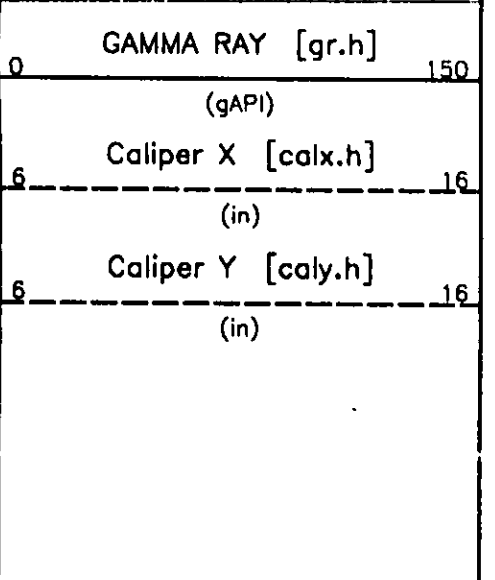
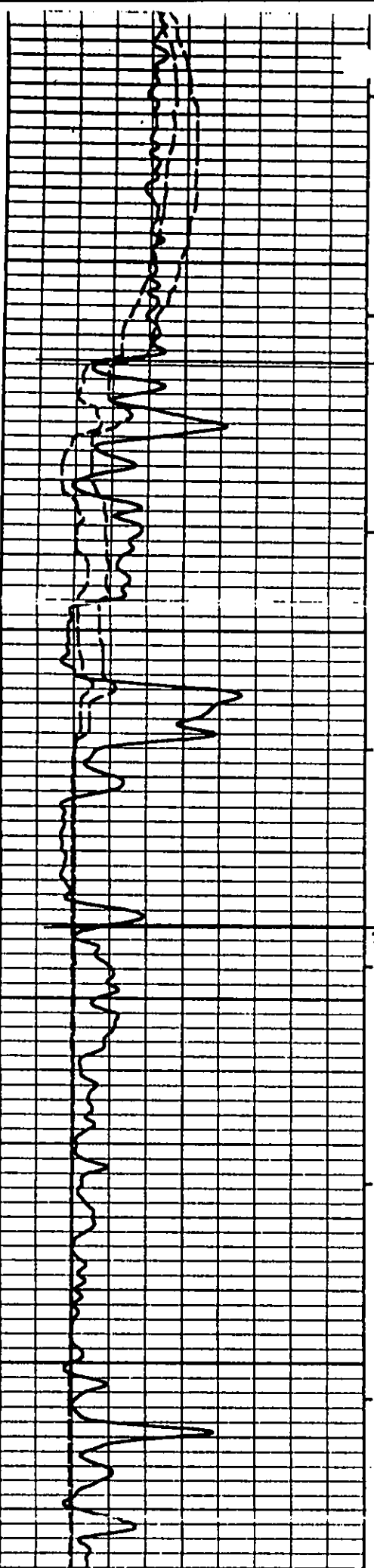
30 -10
(pu)

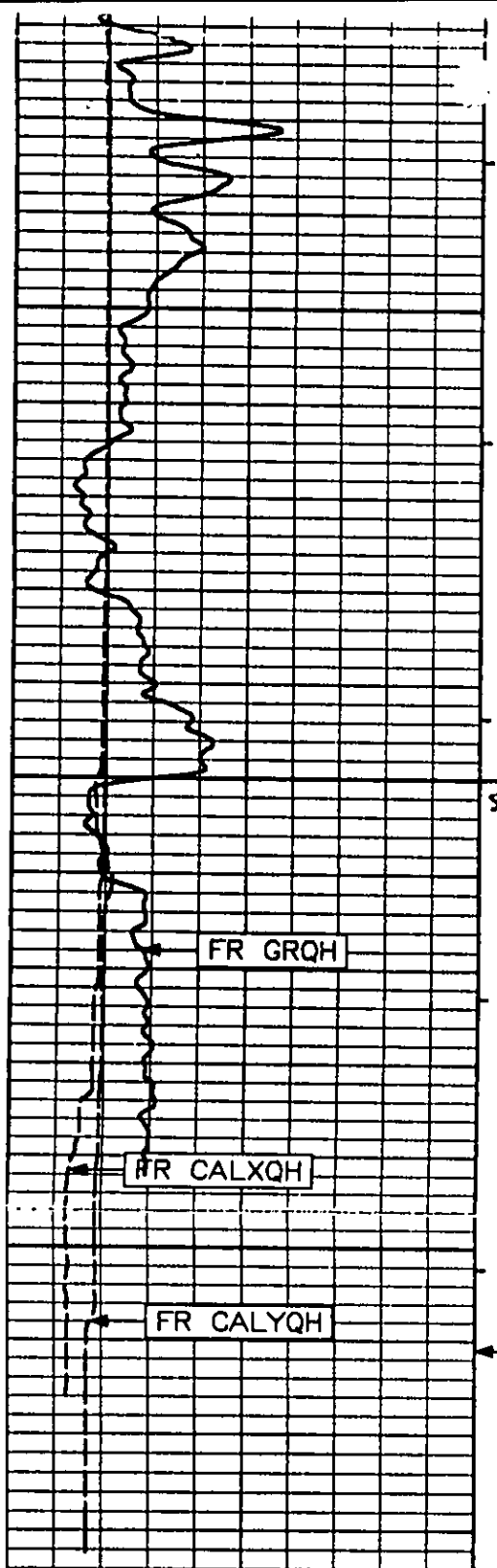
MICRO NORMAL [rml.h]

0 20
(ohm.m)

DIFF. TENSION [ten]

1500 -500
(lb)





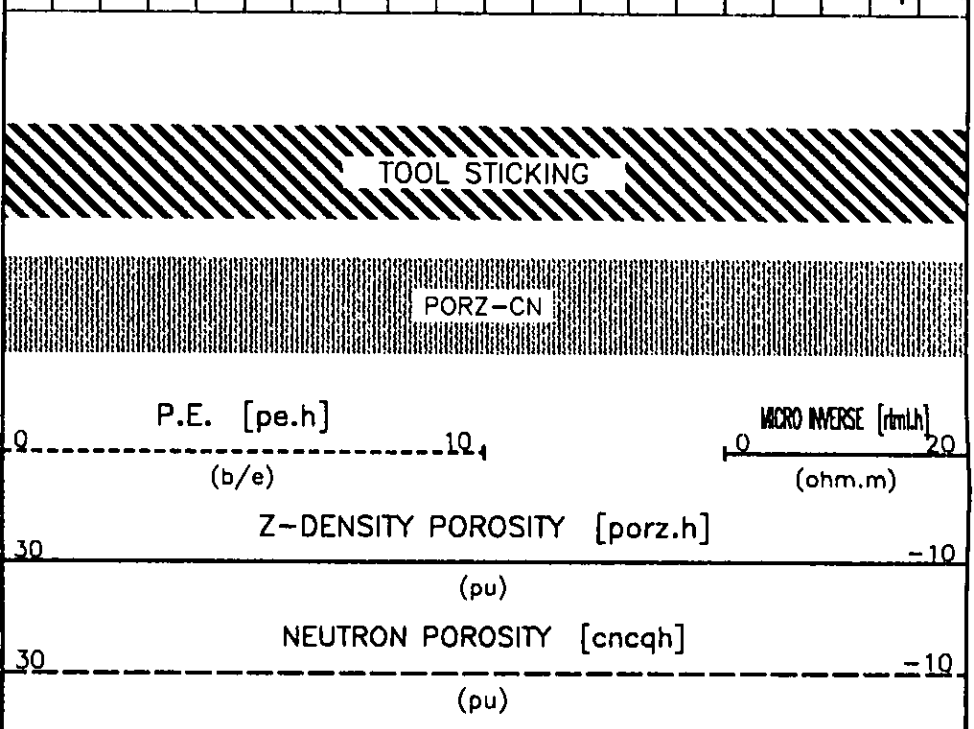
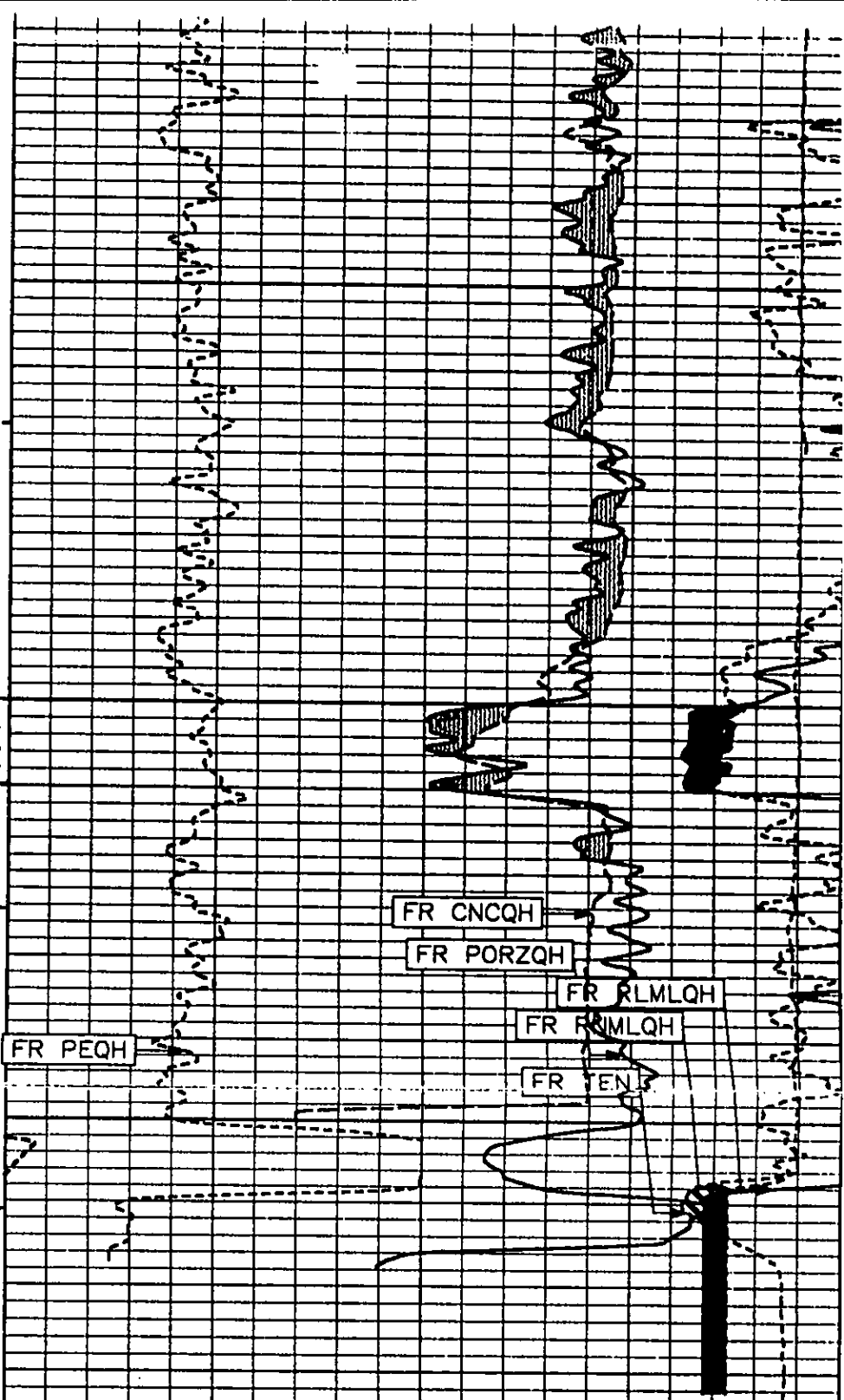
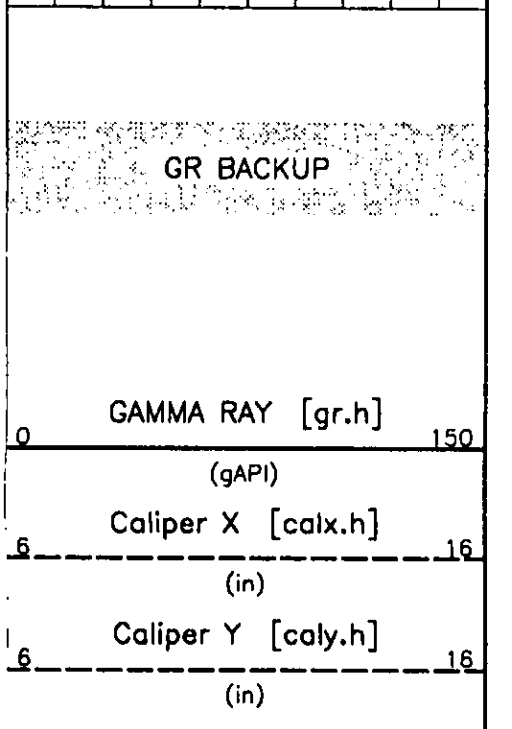
6500

ST. LOG
6600

6600

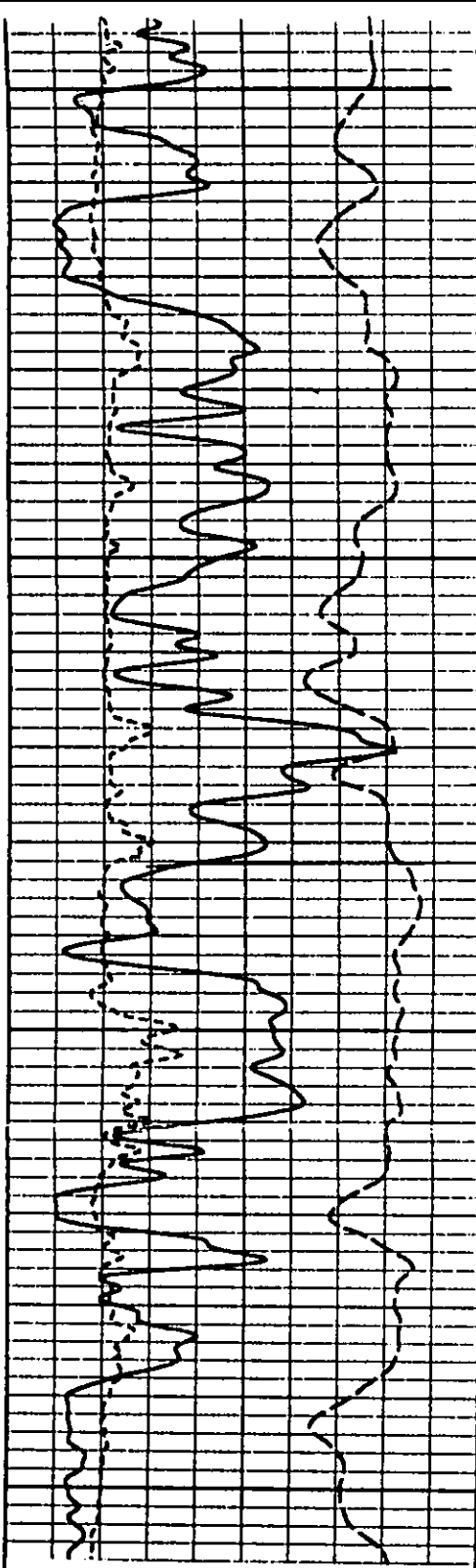
FEET

TD



RECEIVED
MAY 19 2011
KCC WICHITA

DIFF. TENSION [ten]
-4500 -500
(lbf)



LOWER
MURROW

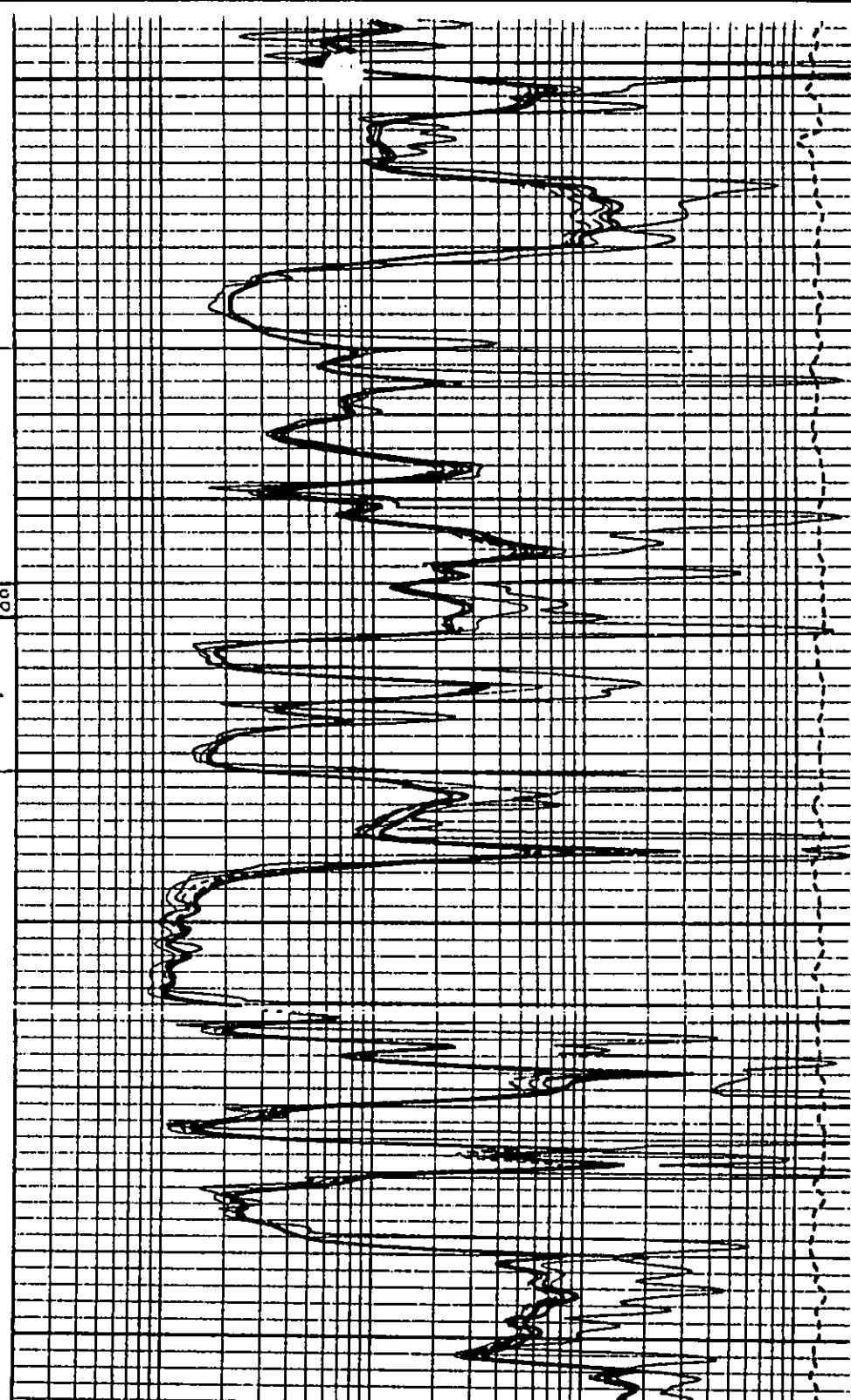
6000
 P 13%
 R₄ 25%
 R_W 0.04 14
 M_n 2
 S_W 31%

CHESTER

6100

0	GAMMA RAY [gr]	150
	(gAPI)	
6	CALIPER [cal]	16
	(in)	
-160	SP [sp]	40
	(mV)	

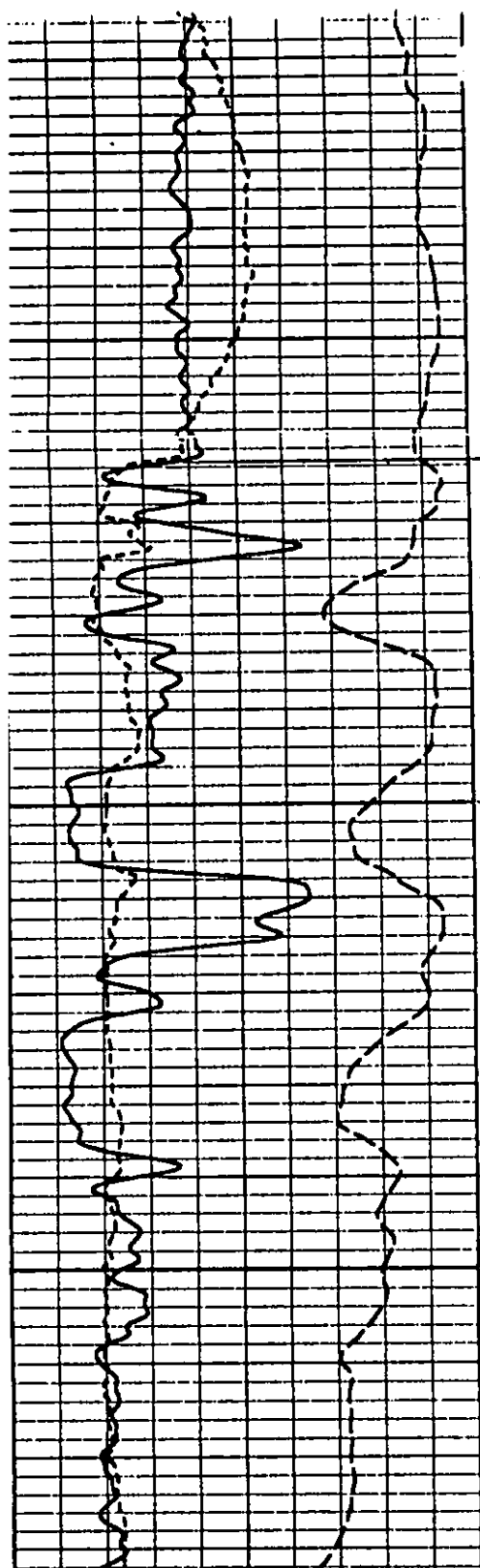
RECEIVED
 MAY 19 2011
 KCC WICHITA



DIFF. TENSION [ten]
 +4500 ----- -500
 (lbf)

2FT. Matched Resolution Resistivity

0.2	MICROLATEROL [rml.h]	2000
	(ohm.m)	
0.2	10 in. DOI [m2r1]	2000
	(ohm.m)	
0.2	20 in. DOI [m2r2]	2000
	(ohm.m)	
0.2	30 in. DOI [m2r3]	2000
	(ohm.m)	
0.2	60 in. DOI [m2r6]	2000
	(ohm.m)	
0.2	90 in. DOI [m2r9]	2000
	(ohm.m)	
0.2	120 in. DOI [m2rx]	2000
	(ohm.m)	



6300

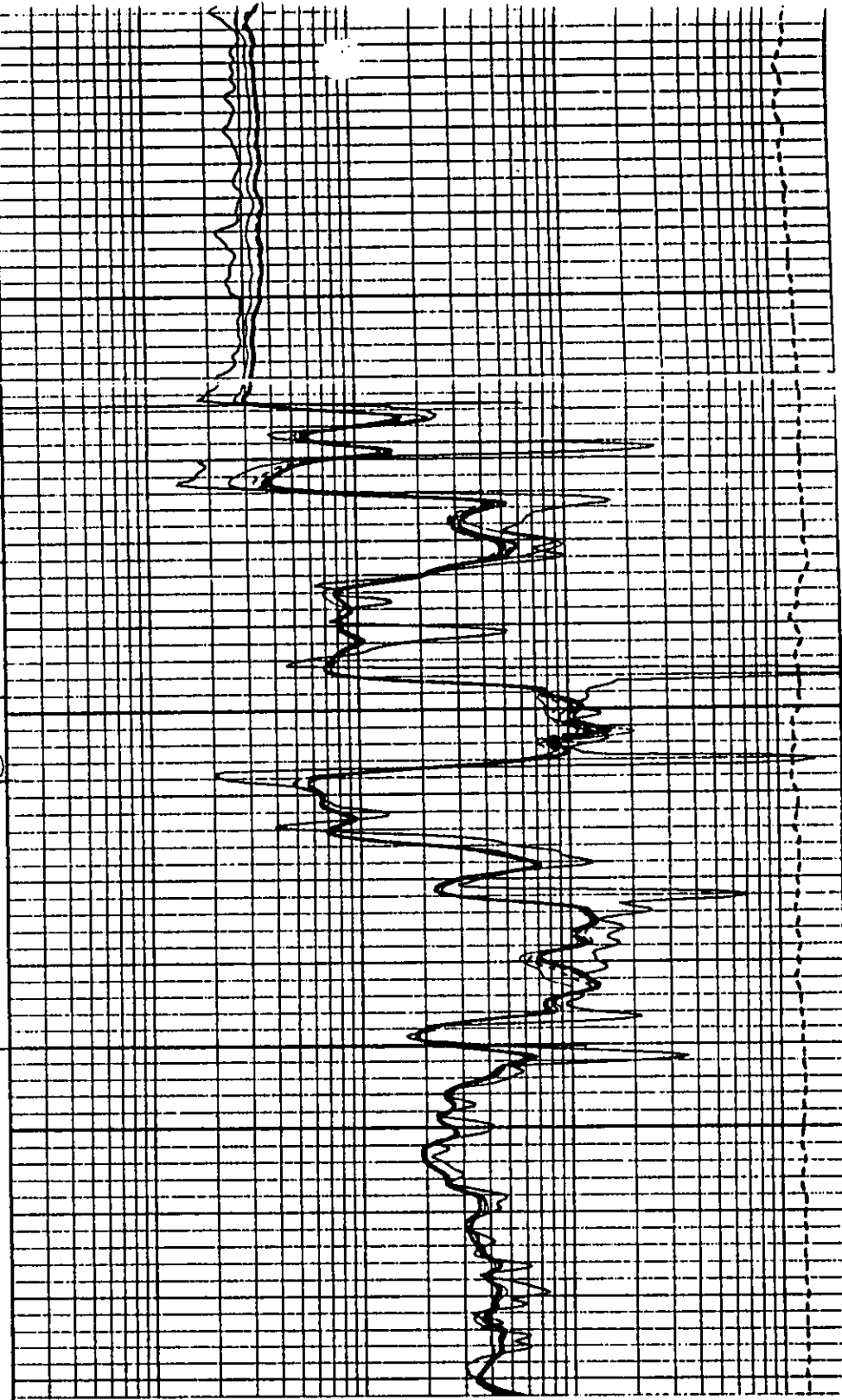
'A'

Sw=28%
 12% (φ)
 30 m (R)
 .04 (R_{sp})
 2 (m/n)

Sw=25%
 8% (φ)
 100 m (R)
 .04 (R_{sp})
 2 (m/n)

S. RE. GEN.

6400



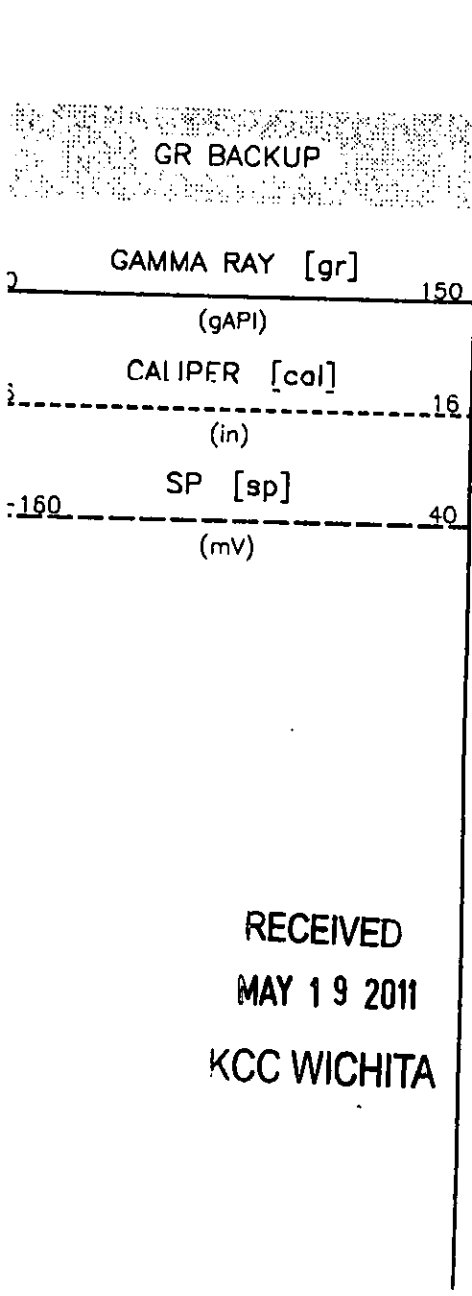
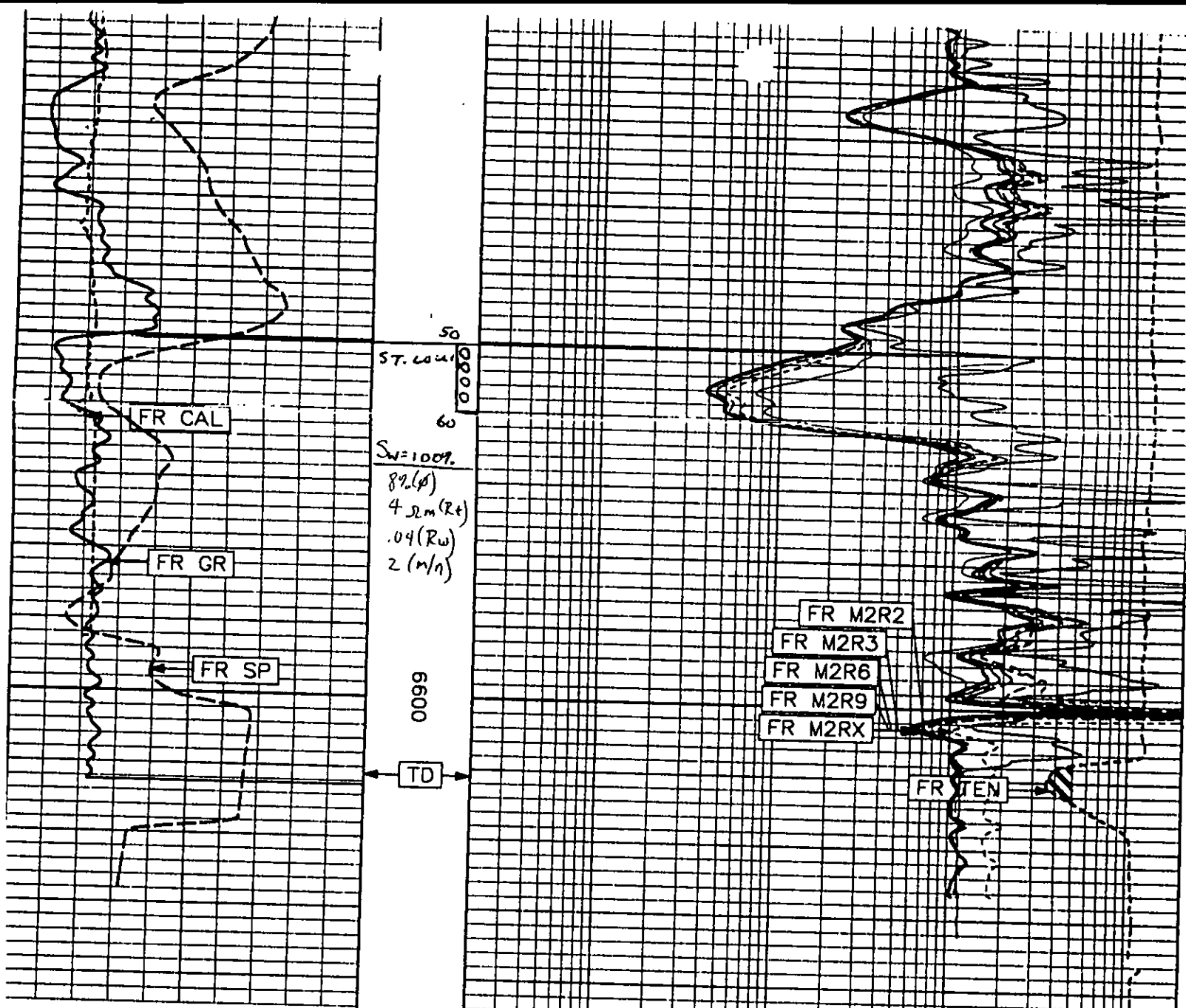
GAMMA RAY [gr] 0 150
 (gAPI)
 CALIPER [cal] 6 16
 (in)
 SP [sp] -160 40
 (mV)

DIFF. TENSION [ten] 4500 -500
 (lbf)

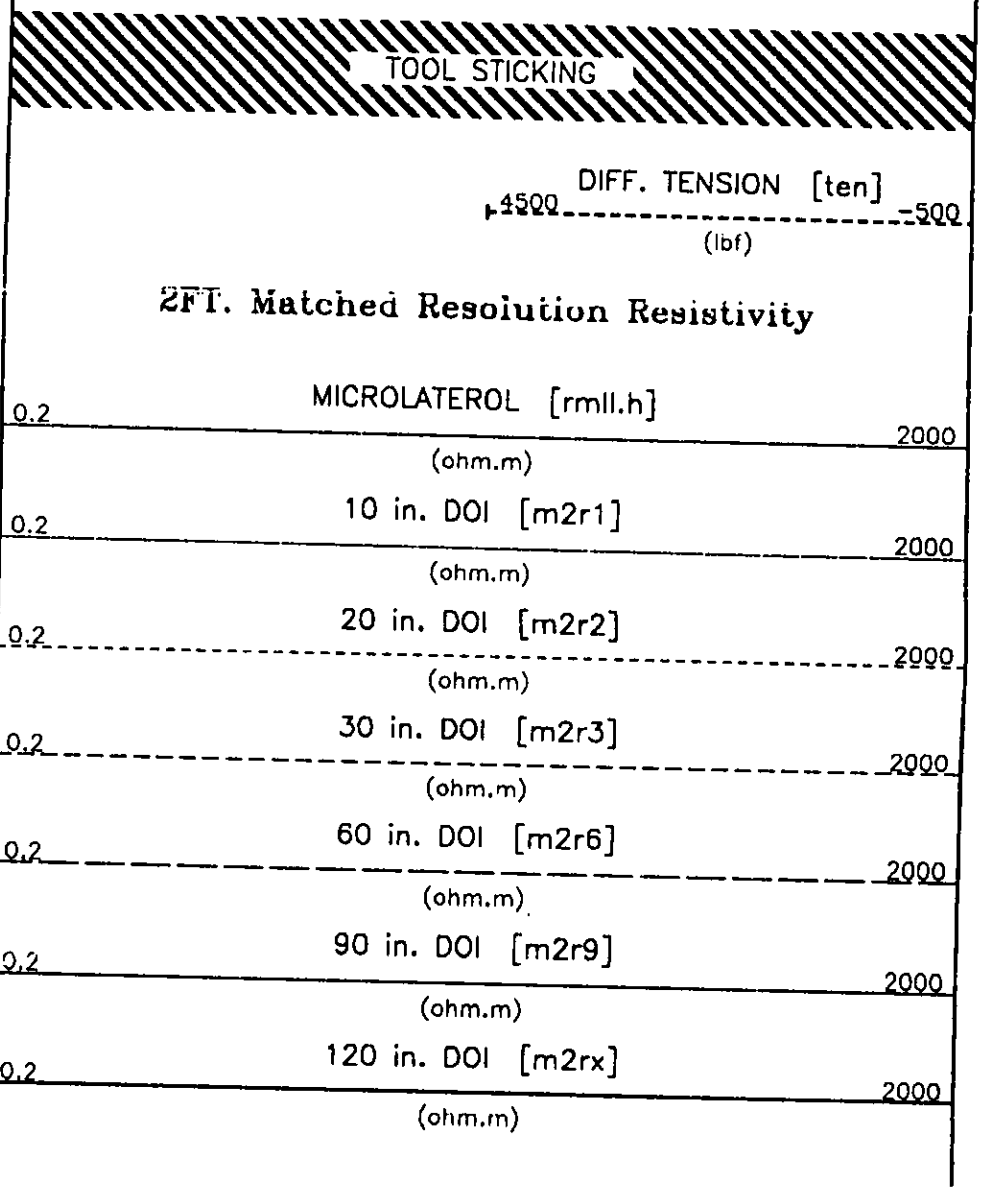
2FT. Matched Resolution Resistivity

MICROLATEROL [rml.h] 0.2 2000
 (ohm.m)
 10 in. DOI [m2r1] 0.2 2000
 (ohm.m)
 20 in. DOI [m2r2] 0.2 2000
 (ohm.m)
 30 in. DOI [m2r3] 0.2 2000
 (ohm.m)
 60 in. DOI [m2r6] 0.2 2000
 (ohm.m)
 90 in. DOI [m2r9] 0.2 2000
 (ohm.m)
 120 in. DOI [m2rx] 0.2 2000
 (ohm.m)

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 MAY 19 2011
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KCC WICHITA

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 29, 2011

Cheryl Patrick
Merit Energy Company
13727 Noel Rd, Ste. 500
Dallas, TX 75240

RE: Approved Commingling CO071106
Blackmer A #4, Sec. 31-T34S-R32W, Seward County
API No. 15-175-21724-00-00

Dear Ms. Patrick:

Your Application for Commingling (ACO-4) for the above described well has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period. This application, which was received by the KCC on July 18, 2011 concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

Source of Supply	Estimated Current Production			Perf Depth
	BOPD	MCFPD	BWPD	
Chester A	0.5	4	10	6324-6358
St. Louis	5	4	10	6550-6561
Total Estimated Current Production	5.5	8	20	

Based upon the depth of the St. Louis formation perforations, total oil production shall not exceed 300 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

File form ACO-1 upon completion of the well to commingle.

Commingling ID number CO071106 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,



Rick Hestermann
Production Department