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ACO-4
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KCC WICHITA

04-cons-248-CCOM

OPERATOR Brower Oil & Gas Co., Inc. DOCKET # CO 010403 DATE 12/29/03

ADDRESS 6506 S. Lewis Ave. S.W. OPERATOR'S LICENSE # 33261

Tulsa, OK 74136 API NO. 15-~~001~~-29009-00-00

LEASE Kramer WELL NO. 1-29

QUARTER SW SEC 29 TWP 24S RGE 18 E ✓ W ✓

COMINGLING 82-3-123

1. Description of the well.
A plat showing:
 - a) Location of subject well.
 - b) Location of other wells on the lease.
 - c) Location of offsetting wells and operator's name.
2. Names and upper and lower limits of the source of supply involved.

(NAME) <u>Swope</u>	(PERFS) <u>293-300'</u>
<u>Pawnee</u>	<u>620-622'</u>
(NAME) <u>Summitt</u>	(PERFS) <u>702-704'</u>
<u>Mulkey</u>	<u>713-715'</u>
(NAME) <u>Crowburg</u>	(PERFS) <u>817.5-819.5'</u>
<u>Tebo</u>	<u>840-886'</u>

- X 3. Wireline log of the subject well. Riverton 1085-1087.5'
4. A complete ACO-1 form.
5. Expected production, oil-gas-water, for each source of supply.

These are
Coal formations.

FORMATION <u>Swope</u>	BOPD <u>0</u>	MCF <u>10</u>	BWPD <u>50</u>
<u>Pawnee</u>	<u>0</u>	<u>10</u>	<u>50</u>
FORMATION <u>Summitt</u>	BOPD <u>0</u>	MCF <u>10</u>	BWPD <u>50</u>
<u>Mulkey</u>	<u>0</u>	<u>10</u>	<u>50</u>
FORMATION <u>Crowburg</u>	BOPD <u>0</u>	MCF <u>10</u>	BWPD <u>50</u>
<u>Tebo</u>	<u>0</u>	<u>10</u>	<u>50</u>
FORMATION <u>Riverton</u>	BOPD <u>0</u>	MCF <u>10</u>	BWPD <u>50</u>
ESTIMATED COMBINED TOTAL	BOPD <u>0</u>	MCF <u>70</u>	BWPD <u>350</u>

6. Application shall be supported by an Affidavit and shall contain a certificate showing service of a copy of the application without attachments to the offsetting operators. You are responsible for this. Unless waivers are obtained, applications are held for fifteen days to give offsetting operators time to file objections. If waivers are obtained, applications can be processed immediately. If objections are filed, applications are then set for hearing.

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

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 33261
Name: Brower Oil & Gas Co., Inc.
Address: 6506 S. Lewis Ave., Ste. 115
City/State/Zip: Tulsa, OK 74136
Purchaser: _____
Operator Contact Person: Pamela K. Atkins
Phone: (918) 743-8893
Contractor: Name: Pense Brothers Drilling
License: 32980
Wellsite Geologist: John D. Muselmann
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/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
☐ 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. _____

08-06-03 Spud Date or Recompletion Date	08-07-03 Date Reached TD	09-23-03 Completion Date or Recompletion Date
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API No. 15 - 001-29009-00-00
County: Allen
W/2 SW NW Sec. 29 Twp. 24 S. R. 18 ☒ East ☐ West
660 feet from S / N (circle one) Line of Section
330 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Kramer Well #: 1-29
Field Name: Iola
Producing Formation: See Attached-All Perf'd Formations Listed
Elevation: Ground: 990' Kelly Bushing: _____
Total Depth: 1200' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 43' 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 Fresh Water ppm Fluid volume 0 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West
County: _____ Docket No.: _____

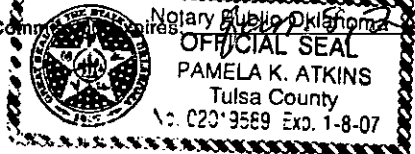
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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 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: *Pamela K. Atkins*
Title: _____ Date: 11-17-03

Subscribed and sworn to before me this 17th day of November, 2003.

Notary Public: Pamela K. Atkins
Date Commission Expires: 12-31-2009



KCC Office Use ONLY

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

Operator Name: **Brower Oil & Gas Co., Inc.** Lease Name: **Kramer** Well #: **1-29**
 Sec. **20** Twp. **24** S. R. **18** ☒ East ☐ West County: **Allen**

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 ☐ Yes ☒ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
 (Submit Copy)

List All E. Logs Run:

CDL, DIL

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

Name	Top	Datum
Swope	293'	300'
Pawnee	620'	622'
Summit	702'	704'
Mulkey	713'	715'
Crowburg	817.5'	819.5'
Tebo	840'	886'
Riverton	1085'	1087.5'

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	11"	8-5/8"	23#/ft.	43'	Portland	10 sks	
Production	6-3/4"	5-1/2"	15.5#/ft.	1186'	Arkoma Lite	183 sks	See Attached

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				

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 SPF	1085-87'	4 bbls 7-1/2% HCL, 195 bbls H2O, 1146# 20/40	1085'
4 SPF	840-86'; 817.5-819.5	4 bbls 7-1/2% 456 bbls H2O, w/biocide, surfactant, 4627# 20/40	817.5'
4 SPF	713-15'; 702-04'; 620-22'	346 bbls 2% KCL, H2O and 957 #20/40 sand,	620'
2 SPF	293-300'	270 bbls 2% KCL, H2O w/3915# 20/40 sand	293'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1126'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. Waiting on Pipeline	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		15	320	

Disposition of Gas

METHOD OF COMPLETION

Production Interval

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

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

Kramer 1-29

Producing Formations

Swope
Pawnee
Summit

Mulkey

Crowburg

Tebo

Riverton

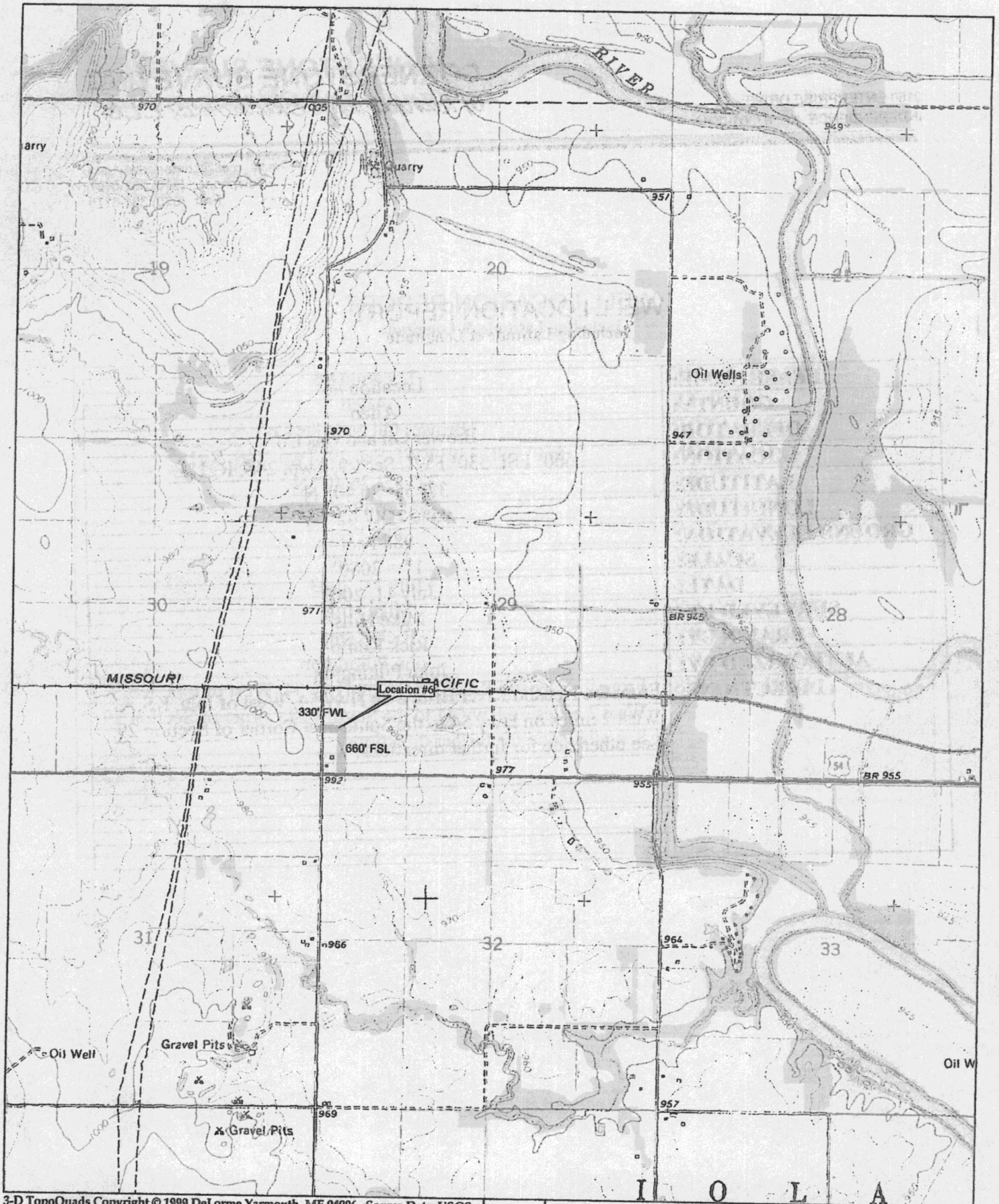
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Wramer 1-29

allen County, KS



2150 ENTERPRISE DRIVE
INDEPENDENCE, KS 67301-0963

CORNERSTONE SURVEYING
of Kansas and Oklahoma, L.L.C.

E-mail: mail@cornerstone-1.org
Telephone: (620) 331-6767
Fax: (620) 331-6776

WELL LOCATION REPORT
Including Latitude & Longitude

LEASE NAME:	Location #6
COUNTY:	Allen
OPERATOR:	Brower Oil and Gas Co.
LOCATION:	660' FSL 330' FWL Sec 29, Twp. 24S, Rg18E
LATITUDE:	37° 55' 26.40" N
LONGITUDE:	95° 27' 47.62" W
GROUND ELEVATION:	988 Feet
SCALE:	1" = 2000'
DATE:	July 11, 2003
SURVEYED BY:	Mike Hills
DRAWN BY:	Rick Kemp
AUTHORIZED BY:	John Pilkington
DIRECTIONS:	From the Neosho River Bridge on Hwy 54, West of Iola, KS, West 2 miles on Hwy 54 to the Southwest Corner of Section 29. See other side for further directions.

BROWER OIL & GAS CO., INC.

6506 SOUTH LEWIS, SUITE 115 • TULSA, OK 74136-1020 • (918) 743-8893 • (918) 743-5969 FA

Dec. 29, 2003

Kansas Corporation Commission
130 S. Market, Room 2078
Wichita, KS 67202-3802

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**RE: Offset Operator
Allen County, KS**

Dear Corporation Commisssion,

To the best of my knowledge, there are no offset operators within 1 mile of any of Brower Oil & Gas Co., Inc. wells in Allen County, Kansas. If you should have any questions, please let me know.

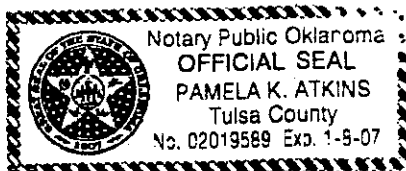
Sincerely,

Ruth Fagin Brower

ACKNOWLEDGMENT

State of Oklahoma)
) ss.
County of Tulsa)

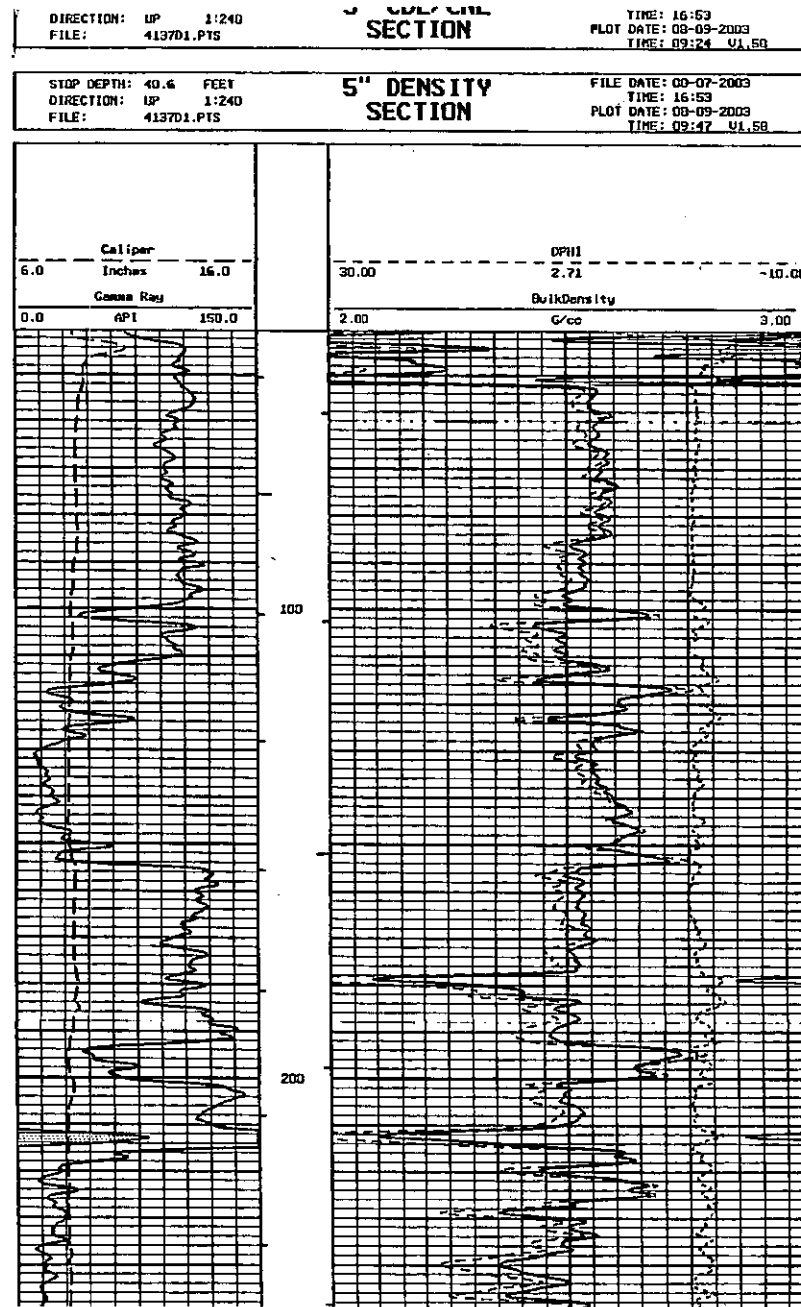
The foregoing instrument was acknowledged before me this 29th day of December, 2003, by Ruth Fagin Brower, Vice-President of Brower Oil & Gas Co., Inc., an Oklahoma Corporation.

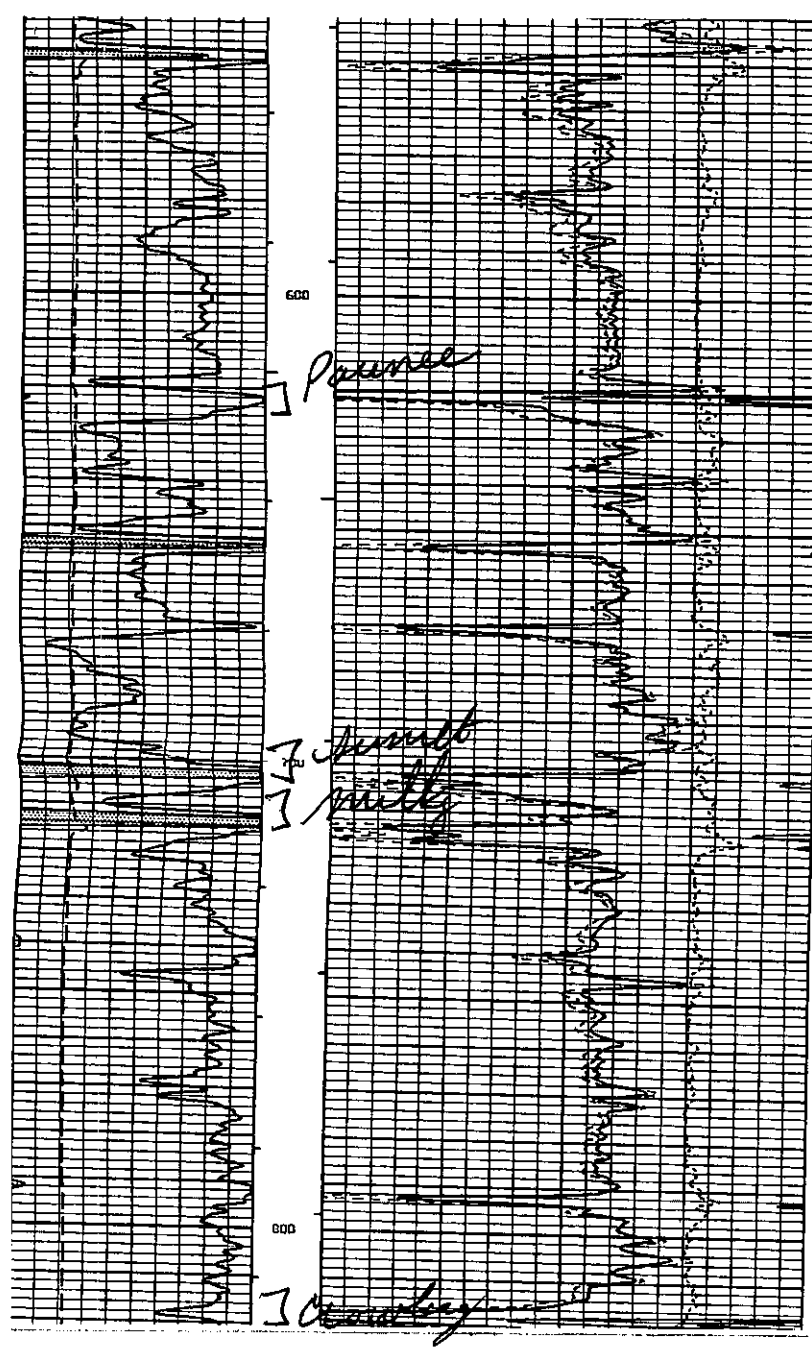
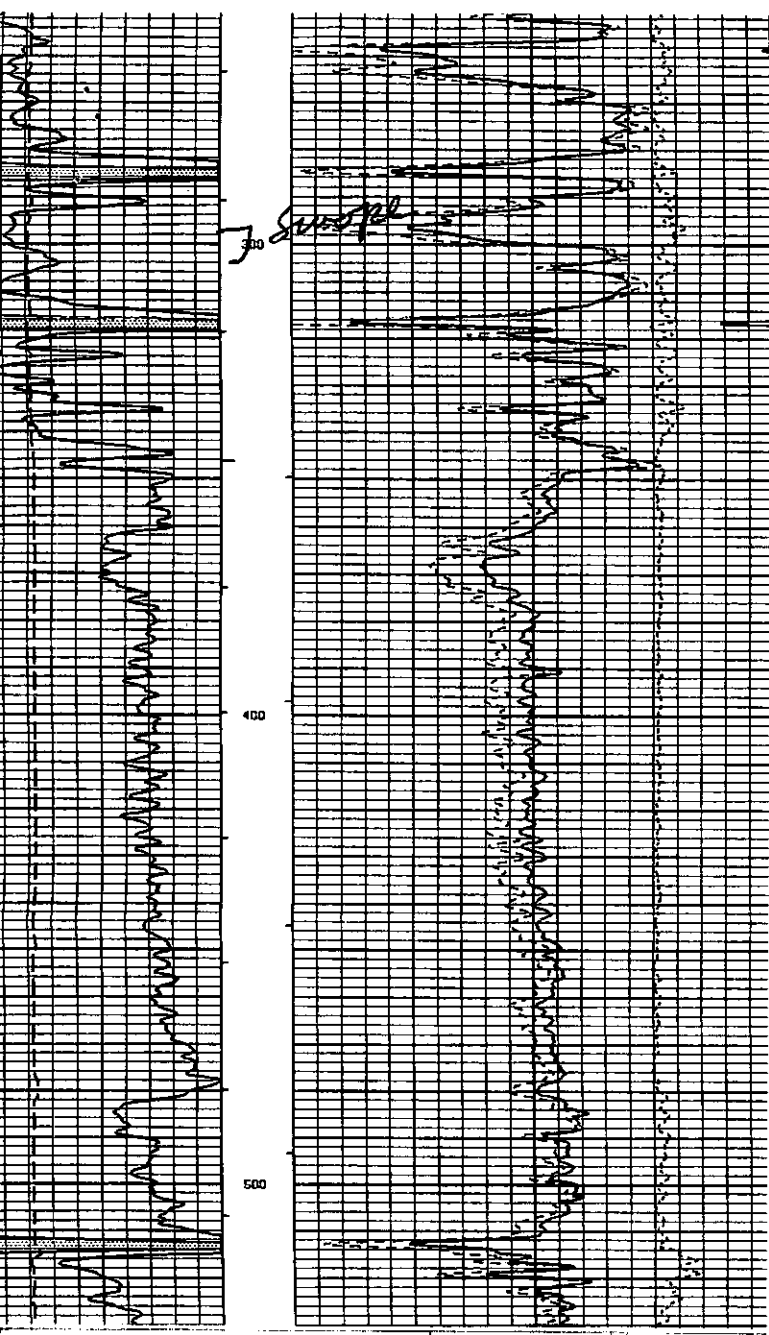


Pamela B. Perkins
Notary Public
My Commission No. is 02019589

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KOC WICHITA

		HIGH RESOLUTION COMPENSATED DENSITY NEUTRON LOG	
COMPANY BROWER OIL & GAS CO., INC. WELL: KRAMER 1-29 FIELD: IDLA COUNTY: ALLEN STATE: KANSAS LOCATION: W/2 NW NW 660' FSL & 330' FHL SEC. 29 TWP. 24S RGE. 19E OTHER SERVICES: ILO	COMPANY BROWER OIL & GAS CO., INC. WELL: KRAMER 1-29 FIELD: IDLA COUNTY: ALLEN STATE: KANSAS LOCATION: W/2 NW NW 660' FSL & 330' FHL SEC. 29 TWP. 24S RGE. 19E OTHER SERVICES: ILO		
	PERMANENT DATUM G1 ELEV. 990' ELEV. (K.D.) LOG MEASURED FROM G1 ABOVE PERMANENT DATUM D.F. DRILLING MEASURED FROM G1 G.L. 990'		
	DATE 9-7-03 RUN NO. ONE DEPTH-DRILLER 1200' DEPTH-LOGGER 1194' BIT LOG INTER. 1191' TOP LOG INTER. SURFACE CASING-DRILLER 8.625" @ 50' CASING-LOGGER 8.625" @ 50' BIT SIZE 7.875" FLUID TYPE WATER DENS. : VISC. NA PH : FLUID LOSS NA SOURCE OF SAMPLE NA RH @ MEAS. TEMP. NA RW @ MEAS. TEMP. NA RHC @ MEAS. TEMP. NA SOURCE: RHP/RHC RH @ BIT TIME SINCE CIRC. MAX. REC. TEMP. EQUIP.: LOCATION 33 HORINV RECORDED BY CLEMENTS/TYLER WITNESSED BY MR. EMERSON MR. PILKINGTON		





Kramer 1-29

allen County, KS

