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Application shall be filed with Kansas Corporation Commission, 200 Colorado Building, Topeka, Kansas, within ten days after the completion of the well. The Commission's fee will be \$100.00.

Attach and letter report to the Commission is to be held confidential. If confidential, only file 3 copy. Information on side one will be of public record and side two will be held confidential.

File over Oil Gas Dept. SRD, SRD injection. Type and complete ALL sections.

Applications shall be filed for SRD completion, cementing, SRD and injection, T.A.

Attach wireline logs (incl. side one and two, sonic log, gamma ray neutron log, etc.).

KCC # (316) 263 1338. (Order SR 1985 81-2-125)

OPERATOR Petro-Technology, Inc.

ADDRESS P.O. Box 4586
Topeka, Kansas 66604

CONTACT PERSON Don Freking
PHONE 913-233-5192

PURCHASER Kock Oil Company
ADDRESS Box 2256
Wichita, Kansas 66801

DRILLING CONTRACTOR Glacier Drilling Co., Inc.
ADDRESS P.O. Box 1509
Emporia, Kansas 66801

*State Geomining Survey
WICHITA BRANCH*

APP NO. 15-087-20,012

COUNTY 087 Jefferson

FIELD McLouth

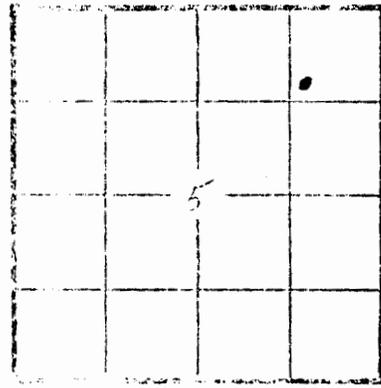
PROD. FORMATION Burlington-Keokuk

LEASE Bowers

WELL NO. 1

WELL LOCATION SW NE NE
290 Ft. from North Line and
290 Ft. from East Line of
SEC. 5 TWP. 10 S RGE. 20 E

WELL PLAT



KCC
KGS
(Office Use)

DEPTH 1870' GL 2300'

START DATE 3/15/81 DATE COMPLETED 3/25/81

ELEV: GR 1128.8 DF CR

DRILL WITH ROTARY (ROTARY) (AIR) (AIR)

Amount of surface pipe set and cemented 715.27' DV Tool Used? Yes

AFFIDAVIT

STATE OF Kansas, COUNTY OF Shawnee SS, I, Don Freking OF SAID COUNTY, BEING FIRST DULY SWORN UPON HIS OATH, BELIEVES THAT HE IS Secretary-Treasurer (OFFICER) Petro-Technology, Inc. OPERATOR OF THE Bowers LEASE, AND IS DULY AUTHORIZED TO MAKE THIS AFFIDAVIT AND ON THE BEHALF SAID OPERATOR, THAT WELL NO. 1 ON SAID LEASE HAS BEEN COMPLETED AS OF THE 12TH DAY OF March, 1982, AND THAT

Show all important tests of porosity and contents, including depth interval tested, casing used, flow test, etc.

Show all depth interval tests, including porosity, permeability, etc.

SHOW GEOLOGICAL MARKERS, LOGS RUN, etc. OTHER IMPORTANT INFORMATION.

FORMATION DESCRIPTION, COMMENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Soil	0	18		5-10-20E
Shale	18	59		
Lime	59	65		
Shale w/lime stk	65	139		
Lime	139	151		
Shale w/lime	151	189		
Lime	189	198		
Shale w/lime	198	466		
Lansing Lime	466	502		
Lime w/shale	502	522		
Lime	522	533		
Lime w/shale	533	564		
Lime w/shale	564	636		
Lime	636	648		
Lime w/shale	648	654		
Lime	654	665		
Shale w/lime	665	683		
Lime	683	689		
Shale w/lime	725	801		
Barbon sand	801	833		
Shale	833	866		
Sandy Shale	866	945		
Lime	945	951		
Shale	951	987		
Lime w/shale	987	1462		
Sandy shale	1462	1468		
Shale	1468	1473		
Gas sand	1473	1495		
Shale	1495	1505		
Mississippi	1505	1870		
	RTD	1870		

Report of all strings set — surface, intermediate, production, etc. CASING RECORD

Purpose of string	Size hole drilled	Size casing set in O.D.	Weight	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4	8 5/8	24 #	115'	OPC	350	3% CC
Production	8 7/8	5 1/2	15 1/2 #	1865	RFC	215	-

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

PERFORATION RECORD

Shots per ft	Size & type	Depth interval
2		1632/1638

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8		

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WELL LOG

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

Show all important aspects of porosity and contents from surface to depth. Indicate all depth intervals where casing used, type of casing, and depth of casing. Indicate all depth intervals where production occurred.

FORMATION	DEPTH	CONTENTS	TOP	BOTTOM	NAME	DEPTH
Oread	137		137	195		5-10-20E
Lns/KC	468		468	810		
Cherokee	1033		1033	1500		
McLouth	1471		1471	----		
Miss.	1500		1500	1822		
G-K	1632		1632	----		
Chatt.	1822		1822	1869		
Hunton	1869		1869	----		
Cored	1865		1865	1887		

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Change)

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
1000 gal 15% HCl acid		1632-1638
Date of first production		Producing method (flowing, pumping, gas lift, etc.)
		Flowing
DATE OF PRODUCTION PER 24 HOURS		Gravity
		24
Disposition of gas (vented, used on lease or sold)		Gas-oil ratio
Compressed and returned to storage		