

KENNETH W. JOHNSON

PETROLEUM GEOLOGIST

203 BROWN BLDG.

BUS. PHONE AM 2-5554

RES. PHONE MU 2-7586

WICHITA, KANSAS 67202

GEOLOGICAL REPORT

Pack Oil Co., Inc.
Fickle # 1
NW NE SE sec. 26-30S-10E
Elk County, Kansas
Elev. 1049 KB

Comm. 6-14-64
Comp. 6-17-64
Contr. White & Ellis
Csg. 8 5/8 @ 110'
Pro. D & A

Gentlemen:

I have examined samples on the above-described well from 700' to total depth, and was present to supervise drilling from 1000' to total depth. Formation tops, zones of interest, and oil shows are listed below. A copy of the drilling-time and sample analysis strip log is included.

	Lansing Formation	781	+268
	Base of Lansing	958	+ 91
	Iola Limestone (Top of K.C. Group)	1106	- 57
	Layton Sand	1120	- 71
1120-32	Sand, very fine-grain, sub-angular, tight, shaley.		
1132-44	Sand, fine-grain, sub-angular, friable, good porosity, no show of oil.		
	Kansas City Lst.	1230	-181
1243-58	Limestone, creamy-tan to brown, chalky to xln and some fossiliferous with fair porosity, no show of oil.		
1352-65	Limestone, creamy-tan to brown, fine to medium xln and fossiliferous with some good inter-xln porosity. No show of oil.		
	Base K. C.	1394	-345
	Lenapah	1439	-390
	Pawnee	1592	-543
	Ft. Scott	1648	-599
	Cherokee	1671	-622

KENNETH W. JOHNSON

PETROLEUM GEOLOGIST

203 BROWN BLDG.

WICHITA, KANSAS 67202

RES. PHONE MU 2-7586

BUS. PHONE AM 2-5554

2

Pack Oil Co. # 1 Fickle, NW NE SE sec. 26-39S-10E, Elk County, Kansas

	Mississippi	1974 -925
1974-78	Chert, gray-brown, vitreous, partly mottled, very poor porosity. Spotted oil stain, fair odor in wet samples, very slight traces of free oil.	
1978-82	Chert as above with traces of brown finely sucrosic dolomite. Good odor in wet samples, slight spotted oil stain, very slight traces of free oil.	
1982-87	Chert, gray-brown, partly mottled, vitreous with poor vugular and fracture porosity. Little brown sucrosic dolomite. Good odor in wet samples, small show free oil. Little spotted staining.	
1987-96	Chert, gray-brown, dense, partly mottled, little brown sucrosic dolomite, very poor porosity, little spotted stain, no free oil. Fair odor in wet samples.	
1996-2010	Dolomite, tan to brown, finely sucrosic, slightly porous, with gray-brown, partly mottled vitreous to dolomitic chert. Little gray-brown flaky dolomitic limestone. Poor porosity, slight show of free oil, good odor in wet samples.	

All of the free oil noted above had the appearance of dead oil, rather than good live oil. Porosity in the entire Mississippian section was poor.

Because of the poor dolomite development and poor show of oil it was decided by the operators to abandon this well at a depth of 2010 in the Mississippi. Structurally this hole was 2' low on the Mississippi to an abandoned producer located diagonally northeast.

Sincerely yours,

Kenneth W. Johnson