

BERGMAN OIL COMPANY  
520 Union Center Building  
Wichita, Kansas 67202

## GEOLOGICAL DATA

ORIGINAL

#2 Scothorn N/2 SW MSW Sec. 23-T22S-R23W  
Hodgeman County, Kansas

ELEVATION 2289 K.B.

Note: All depths measured from Kelly Bushing.

GEOLOGICAL TOPS:	Heebner Shale	3842 - 1553
	Lansing-K.C.	3900 - 1611
	Ft. Scott	4438 - 2149
	Miss.	4534 - 2245
	Rotary T.D.	4560

Lansing-K.C. 3900

No Zones of interest - No shows of oil.

Ft. Scott 4438

Zone 4450 to 4458 Lime white slightly fossiliferous, very poor porosity, slight show of free oil.

Miss. 4534

Zone 4534 to 4546 Chert milky, weathered edges, free oil.

D.S.T. #1 4399 to 4453, Blow strong. Recovered 5 feet free oil, 60 feet oil cut mud, 90 feet watery mud with oil specks, 1285 feet formation water. I.F.P. 35 to 390, I.S.I.P. 1047, F.F.P. 417 to 532, F.S.I.P. 1082.

Surface Pipe 8-5/8 - 321 feet cemented with 250 sacks. Circulated.

Oil String 4-1/2" set at 4559 feet cemented with 100 sacks.

15.083-21079-0000

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COMPLETION REPORT:

#2 Scothorn N/2 SW SW Sec. 23-T22S-R23W  
Hodgeman County, Kansas

6/12/84 Perf. 4540 to 4542, 4 holes per foot.  
Treat with 400 gallons 15% mud acid.  
Swab test 5 barrels per hour fluid, 12% oil.  
Put on pump.

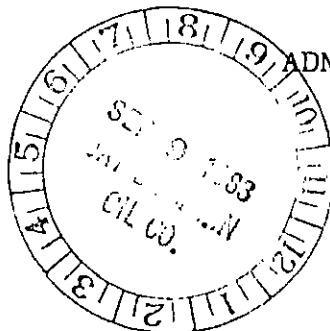


**KANSAS GEOLOGICAL SURVEY**  
Wichita Well Sample Library

September 8, 1983

SAMPLES  
4150 Monroe  
Wichita, Kansas 67209  
316-943-2343

Bergman Oil Co.  
520 Union Center  
Wichita, Kansas 67202



ADMINISTRATION-PUBLICATION SALES  
103 Colorado Derby Building  
202 West First Street  
Wichita, Kansas 67202  
316-262-0795

**ORIGINAL**

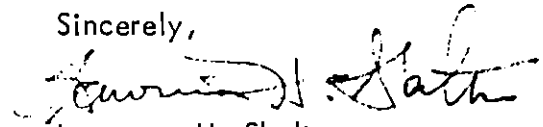
Dear Sir:

The State Geological Survey of Kansas hereby requests you to furnish borehole samples from your #2 Scothorn sited at 23-22S-23W. This well was selected for sample collection either because the indicated total depth on the statement of intent to drill is deeper than any other samples we possess from within a half mile radius or because we have no samples from any well within a half mile radius. This request is in accordance with Kansas Corporation Commission ruling 82-3-107 which requires said samples to be washed, cut into splits (sets) and one set placed in labelled sample envelopes ready for repository when delivered to the above Monroe Street address. Delivery/transportation is to be prepaid. Please assure that all samples are properly identified as to operator, lease, legal description and depth.

You may prepare the samples yourself or have them prepared and shipped by commercial firms engaged in that business. However, the Kansas Geological Society (not the Survey) operates a sample cut facility which is co-located with the State Survey's well sample library at the above address. They will prepare your samples, deliver them to the Survey in the required envelopes, etc., for a nominal fee and will bill you for their services.

For your information, these samples will be maintained in a collection representing over 100,000 wells drilled in Kansas. All samples, except those kept confidential for a year at operator's request, are available for examination by industry geologists or other interested parties. They may be rented for 30 day periods or examined on site with Survey microscopes. This service which is staffed and paid for by the State Geological Survey is used by the petroleum, natural gas and mining industry as well as universities and scientific institutions around the country. It will be a pleasure to assist you.

Sincerely,



Lawrence H. Skelton  
Manager

LHS/bbk