

ORIGINAL

KENMARK CORPORATION

FISHER #3

**NW-SE-SW
Section 28-11-18
Ellis County, Kansas**

Geological Report

By:

**Mark Kilian
14910 S. Gallery St.
Olathe, KS 66062**

November 8, 1999

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NOV 12 1999

**CONSERVATION DIVISION
WICHITA, KS**

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**KENMARK CORPORATION
P.O. Box 572
Hays, Kansas 67601**

RE: Fisher #3
NW-SE-SW 28-11-18
Ellis County, Kansas

Dear Mr. Norton:

The Fisher #3 well was drilled with rotary tools commencing October 5, 1999 to a rotary depth of 3595' (-1567 Datum), drilling was completed October 11, 1999. Five DST's were taken all had negative recovery and poor pressures. It was recommended this hole be plugged at this time. However significant shows of oil were encountered in the Arbuckle formation throughout the drilling depth. If later development on this lease should prove that the oil-water contact line is below wells in the area, then this well should be considered for a wash down.

Operator:	KENMARK Corporation
Contractor:	Discovery Drilling
Elevation:	2028 K.B. 2020 G.L. 8' K.B.
Geological Supervision:	3000' to R.T.D
Drilling Time:	2800' to R.T.D.
Samples:	2900' to R.T.D.
Drill Stem Tests:	Five (5) Trilobite Testers
Electric Log:	None
Pipe Record:	8 5/8" @ 211'

<u>Formation</u>	<u>Depth</u>	<u>Subsea Datum</u>
Anhydrite	1326'	+ 702'
Topeka	3014'	- 986'
Heebner Shale	3233'	- 1205'
Toronto	3256'	- 1228'
Lansing	3276'	- 1248'
Base Kansas City	3512'	- 1484'
Arbuckle	3558'	- 1530'
R.T.D.	3595'	- 1567'

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Fisher #3

Zones Of Interest

<u>Formation</u>	<u>Depth</u>	<u>Description</u>
Lansing "C" Zone	3316-3320	Limestone; white, fine crystalline porosity, poor scattered stain, few pieces saturated stain, very faint odor.
Lansing "D" Zone	3336-3340	Limestone; white-tan, fine crystalline, trace of vuggy porosity, poor scattered stain, slight show of free oil, good odor.
DST #1	L-KC "C" & "D"	3309-3350
Times;	30" 30" 15" 30"	
Recovery;	35' Mud	
Pressures;	HP 1611-1592#, ISP 108#, FSP 95#, FP 17-88#, 107-110#	
Lansing "F" Zone	3358-3360	Limestone; tan, fine crystalline porosity, trace light stain, very poor saturated stain, good show of free oil, good odor.
Lansing "G" Zone	3366-3370	Limestone; white, cherty, trace of light stain, good show free oil, fair odor.
DST #2	L-KC "F" & "G"	3352-3420
Times;	30" 30" 15" 30"	
Recovery;	5' Mud	
Pressures;	HP 1616-1606#, ISP 147#, FSP 96#, FP 14-18#, 18-18#	
Arbuckle	3558-3564	Dolomite; tan, cherty, tight abundant shale, trace free oil, fair odor.
DST #3	Arbuckle	3531-3568
Times;	30" 30" 30" 30"	
Recovery;	5' Mud	
Pressures;	HP 1729-1728#, ISP 28#, FSP 24#, FP 15-17#, 18-24#	
Arbuckle	3564-3580	Dolomite; tan, fine to medium crystalline, good saturated stain, good show of free oil, strong odor.

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DST #4 Arbuckle 3564-3581
Times; 30" 15" 15" 15"
Recovery; 15' Mud
Pressures; HP 1769-1749#, ISP 55#, FSP 46#, FP 16-17#, 18-18#

Arbuckle 3581-3595 Dolomite; brown, medium crystalline,
good golden brown saturated stain,
good show free oil, strong odor.
Dolomite; brown-pink, medium
crystalline, good saturated stain,
bleeding oil, strong oil.

DST #5 Arbuckle 3568-3595
Times; 45" 30" 45" 30"
Recovery; 10' Slightly Oil Cut Mud, 60' Slightly Oil Cut Mud
Pressures; HP 1744-1722#, ISP 908#, FSP 821#, FP 88-77#, 99-88#

Summary and Recommendations

Three locations South, Crescent Oil & Gas, drilled the Johnson #1 in Section 33-11-18 North Half-Northeast--Northwest (N/2-NE-NW) recovered 170' socmw in DST #5, the test interval was Datum -1543 to -1571. It appears the oil-water contact line is between -1567 (the bottom interval tested in the Fisher #3) and -1571. It is recommended the Fisher well #2 be drilled deeper by cable tool until increased fluid can be encountered. The Fisher #2 well is at it's economical limit and was only drilled approximately 8' to 10' into the Arbuckle formation. It is presently producing very little fluid, which may all be coming from the Kansas City formation. If significant development is encountered at a datum well below the test interval in the #3 and large amounts of water are not found this would suggest structure separation from the Johnson #1. After producing the #2 for a certain length of time to prove that lower zones in the Arbuckle will produce economical amounts of oil, without watering completely out, then I recommend washing down the #3 and testing lower zones. It seems to me this would be more cost effective than setting pipe on a well that may water out in a very short amount of time.

Respectfully submitted,



Mark Kilian, Geologist
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