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SEP 21 2004

CONSERVATION DIVISION
WICHITA, KS

RICHARD S.(STEVE) DAVIS JR.

Petroleum Geologist
212 N. Market, Suite 268
Wichita, Kansas 67202

Office (316)267-9115

Home (620)459-6406

GEOLOGIST REPORT

OPERATOR: Larson Operating Co.
WELL NAME: Behnke #1-29
CONTRACTOR: Petromark Drilling, Inc.
LOCATION: Approximate N/2 NW SE, Section 29-T18S-R9W
(2310 FSL / 2050 FEL)
API#: 15-159-22419-0000
COUNTY: Rice
STATE: Kansas
ELEVATION: G.L. 1723 K.B. 1729
SPUD: 5/31/2004
COMPLETED: 6/05/2004
SURFACE CASING: 8 5/8" @ 305' w/ 170 sx class A w/ 2% gel & 3% CC
PRODUCTION CASING: 5 1/2" @ 3329'
MUD SYSTEM: Mud-Co. (Chemical mud displaced at 2600')
SAMPLES: Wet and dry samples from 1100' to RTD.
WELLSITE GEOLOGIST: Steve Davis (supervision 3050 - 3330)
DRILL STEM: Trilobite Testing, Inc.
E-LOGS: Log-Tech, Inc.
D.I.L., D.N.L., B.H.S.L and M.L.

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29 - 18-9W

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HUTCHINSON SALT	881	+848
HERRINGTON	1309	+420
GRAND HAVEN	2081	-352
HOWARD	2379	-650
TOPEKA	2474	-745
LE COMPTON	2604	-875
HEEBNER SHALE	2744	-1015
LANSING	2893	-1164
STARK	3107	-1378
BKC	3178	-1449
ARBUCKLE	3239	-1510
Total Depth	3330	-1601

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ARBUCKLE SAMPLE ANALYSIS

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(Correlated to sample depth)

ARBUCKLE 3239 (-1510)

CFS @ 3260 Dolomite, tan to off white, fine crystalline with no visible porosity. Few pieces with spotted stain, most barren. Included, dolomite, tan to brown, fine to medium crystalline with fair vuggy and fair to good inter-crystalline porosity. Trace of free oil with few gas bubbles. Uniform stain, fair fluorescence and cut. Good cup odor. Some chert, white, fresh, translucent.

CFS @ 3270 Dolomite, tan to brown, fine crystalline with sucrosic texture. Fair to poor intercrystalline porosity with fair show of free oil and gas bubbles. Uniform stain, good fluorescence and cut. Good cup odor..

~~#1~~
~~DST #5~~ (3207 - 3270)
15 - 30 - 60 - 120

BLOW

I. F. Weak blow building to 1/2 inch.

F.F. B.O.B. in 41 min.

RECOVERY 90' G.I.P.

130' C.G.O.

(4 % G, 96% O)

90' G.O.C.M.

(15% G, 18% O, 67% M)

SAMPLER 4,100 ml oil @ 195 psi

PRESSURES I.H.P. 1625 #

I.F.P. 27 - 45 #

I.S.I.P. 966 #

F.F..P. 66-95 #

F.S.I.P. 996 #

F.H.P. 1599#

B.H.T. 110° F

3270-90 Dolomite, tan to gray, fine crystalline. Poor intercrystalline porosity, most no visible porosity. No show of free oil, few pieces with spotted stain and spotted dull fluorescence, most barren. Included, chert, white, opaque. Weak cup odor.

3290-3300 Dolomite, off white to gray, fine to medium crystalline. Fair to poor intercrystalline porosity, no show of free oil, spotted residual stain and no fluorescence. No cup odor.

3300-3330 Dolomite, off white to tan, fine to very fine crystalline. Poor intercrystalline porosity, most no visible porosity. Included, chert, white, fresh, opaque.

Following log analysis, orders were issued by the operator to run 5 1/2 " production casing to further evaluate the #1-29 Behnke.

Richard S.(Steve) Davis Jr.
Wellsite Geologist