412 East Douglas, Suite One Wichita, Kansas 67202

(316) 263-2243

GEOLOGICAL REPORT

MIXER #2

500' FNL, 1440' FWL of

SECTION 13 - 11S - 20W

ELLIS COUNTY, KANSAS

Elevations: 2000' GR, 2005' KB Commenced: 11-6-92

Completed: 11-15-92 Surface Pipe: 40' Conductor

200' of 8-5/8"

RECEIVED

Contractor: Murfin Drilling Co.

TOPEKA

Production Pipe: 5½" set at

3497' KB. Production: Lansing Formation

One foot drilling time was kept from 1360 to 1460' KB and from 2900' to total depth. Ten foot (wet & dry) samples were kept from 3100' to total depth.

Following are sample tops, descriptions of zones of interest (including shows of oil & gas), and results of all drilBTARL ON COMMISSION

TANDE TO TO THE TOP TO THE TENT OF THE TEN 1398 (+607) ANHYDRITE CONSERANTON DE ISTOR Wichita, Kansas BASE ANHYDRITE 1443 (+562) CONSERVATION DIVISION

White, very finely crystalline, dense, lime-stone. Fair show of free oil in poor inter-3202-08' KB

3037 (-1032)

crystalline porosity, no odor, fair stain

and a strong cut.

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DRILL STEM TEST #1 32' of Anchor 3188 to 3220' KB

> Blow: Weak blow died in 20 min.

Open 30, Closed 30, Open 10, Closed 0. Times:

15' Mud w/oil spots. Recovered:

IF Pressures: ΙH 1634# 47 - 47# ISIP 916#

1624# FF 57 - 57# FHFSIP

3258 (-1253) **HEEBNER**

3297 (-1292) LANSING

White, very finely crystalline, slightly oolitic limestone. Very slight show of 3297-3302' KB

free oil in very poor intercrystalline porosity, no odor, weak stain, and a very

weak cut. (2 pieces in tray)

Tan, very finely crystalline, dense, lime-stone. Good show of free oil in fair inter-3333-36' KB

crystalline "vuggy" porosity, weak odor, good

stain and a strong cut.

3348-54' KB White, very finely crystalline, slightly oolitic,

limestone. Good show of free oil in poor

intercrystalline porosity, no odor, fair stain,

and a strong cut.

MISRUN --- Hit a bridge at ARCEIVED STATE ORDERATION COMM DRILL STEM TEST #2

70' OF AN ENMISSION 3290 to 3360' KB DRILL STEM TEST #3

Off bottom of bucket in 30 second 993 Down to Blow:

1½" at end of second openons at ATION DIVISION

Open 60, Closed 45, Open 60, Closed 45. Times:

2369' Oil & Water Cut Mud. (3% Oil, 28% SW) Recovered:

chls. 40,000ppm

IF 496-887# 1270# Pressures: IH 1624# ISIP

> FH 1595# FF 954-1059# FSIP 1212#

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3374-77' KB

White, very finely crystalline, dense, limestone. Slight show of free oil in very poor' intercrystalline porosity, no odor, weak

stain, and a very weak cut.

3379-83' KB

White, very finely crystalline, dense, limestone. Good show of free oil in poor to fair intercrystalline porosity, no odor, and

a strong stain, with a strong cut.

DRILL STEM TEST #4 3376 to 3400' KB

24' Anchor

Blow:

Fair blow of 6" throughout opennings.

Times:

Open 60, Closed 45, Open 60, Closed 45.

Recovered:

305' SW w/scum of free oil.

Pressures:

ΙH 1635# ΙF 52-84# ISIP FF

FH 1625# 105-137# FSIP 881#

MUNCIE CREEK

3418 (-1413)

3448-52' KB

White, very finely crystalline, dense, slightly oolitic limestone. Slight show of free oil in fair intercrystalline porosity, weak stain, no odor, and a very weak cut. (2 pieces in tray)

DRILL STEM TEST #5

60' of Anchor 3410 to 3470' KB

Blow:

Weak blow of 3" throughout both opennings.

Times:

Open 45, Closed 30, GPATE CONTRACTION COMMISSION

Recovered:

50' Mud w/oil spots.

FF

AUG 1 8 1993

Pressures:

ΙH 1739#

1729#

ΙF

66-66 CONSERVATION DIVISION 30# 76-76 Wichita Ransas

3469-33' KB

Tan, very finely crystalline, dense, limestone. Slight show of free oil in very poor intercrystalline porosity, no odor, slight stain,

and a slight cut.

FH

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BASE KANSAS CITY	3518	(-1513)
MARMATON	3548	(-1543)
ARBUCKLE	3625	(-1620)
RTD	3680	(-1675)

A Dual Induction and a Dual Compensated Porosity Log were run to check for any missed Lansing zones and to conferm that we had 2 zones open durring DST #3. The logs indicated that a staddle test covering the "B" zone of the Lansing might prove useful.

DRILL STEM TEST #6

3302 to 3342' KB

40' of Anchor

Blow: Off bottom of bucket in 1½ min. strong

through both opennings.

Times: Open 60, Closed 45, Open 60, Closed 45.

Recovered: 1586' Oil & Mud Cut Water (31% Oil)

chls. 56,000ppm

Pressures: IH 1681# IF 152-419# ISIP 667#

FH 1624# FF 496-543# FSIP 667#

It was decided to run $5\frac{1}{2}$ " casing to produce the "B" zone of the Lansing Formation. Casing was ran on 11-15-92 to a depth of 3497' KB and cemented with 200 sx of EA-2 expanding cement.

RECEIVED STATESCORPORATION COMMISSION

James C. Hess

GeologicoNSERVATION DIVISION
Wichita, Kansas

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Mixer #2

Casing Report:

-Port Collar 1392' KB 11-15-92: Ran 109 jts of 15.50# $5\frac{1}{2}$ " casing and set at 3497' KB with 10' shoe Basket 1422' KB Centralizer #5 joint. 1424' KB Cemented with 500 gals. of chemical mud flush followed by 200 sx of EA-2 expanding cement. Maintained good cir-culation throughout job. Plug down at 1:05pm. Will open port collar and cement later as needed. Centralizer #4 3295' KB Centralizer #3 3359' KB Centralizer #2 3392' KB STATE KOP Centralizer #1 3487' KB Plug Retainer 3487' KB -10' shoe Joint CONSERVATION DIVISION Wichita, Kansas Float Collar & Guide Shoe 3497' KB -183' of Open Hole RTD 3680' KB