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Rains & Williamson Oil Company Inc. McCreight Trust #2 C-E/2-NE/4; Section 9-20s-24w Ness County, Kansas Page No. 1

E2 NE

## **Dry and Abandoned**

Contractor:

Warren Drilling Co (Rig #5)

Commenced:

April 5, 2007

Completed:

April 17, 2007

Elevation:

2356' K.B.; 2354' D.F.; 2350' G.L.

Casing Program:

Surface; 8 5/8" @ 220'

Production; none.

Samples:

Samples saved and examined 3500' to the Rotary Total Depth.

**Drilling Time:** 

One (1) foot drilling time recorded and kept 3500' to the Rotary

Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

Formation Testing: There were five (5) Drill Stem Tests ran by Trilobite Testing

Company.

Electric Log:

By Log Tech; Dual Induction, Dual Compensated Porosity Log

and Microresistivity Log

<u>Formation</u>	Log Depth	<u>Sub-Sea Datum</u>
Anhydrite	1600	-756
Heebner	3752	-1396
Toronto	36774	-1418
Lansing	3798	-1442
Base Kansas City	4148	-1792
Marmaton	4156	-1800
Pawnee	4236	-1880
Ft Scott	4308	-1952
Cherokee	4332	-1976
Conglomerate	4375	-2019
Mississippian	4394	-2038
Rotary Total Depth	4500	-2144
Log Total Depth	4498	-2142
(All tops and zones corre	ected to Electric Log	measurements).

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

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## **TOPEKA AND LANSING SECTIONS**

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There were several zones of well developed porosity encountered in the drilling of the Topeka and Lansing Sections but no show of oil and/or gas was noted. (see attached Geologist Report, Drilling Time land Sample Log.)

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#### **MARMATON SECTION**

4157-4166' Limestone; cream, white, finely crystalline, chalky, trace amber and gray chert.
 4185-4196' Limestone; cream, finely crystalline, fossiliferous in part, chalky, questionable brown stain, no show of free oil or odor in fresh samples.
 4196-4202' Limestone; cream, tan, fine to medium crystalline, fossiliferous, slightly cherty, poor porosity, trace spotty brown stain and show of free oil or odor in fresh samples.

4214-4217' Limestone; cream, tan, chalky, poor visible porosity, brown spotty stain, trace of free oil and no odor in fresh samples.

4222-4226' Limestone; cream, white, finely crystalline, chalky, no shows.

Drill Stem Test #1 4136-4230'
-Misrun-

Drill Stem Test #2 4185-4230'
-Misrun-

# **PAWNEE SECTION**

4237-4250' Limestone; cream, white, finely crystalline, slightly fossiliferous, dense, trace black spotty stain, no show of free oil or odor in fresh samples.
4250-4270' Limestone; gray, finely crystalline, chalky, poor porosity, slightly cherty, dense.
4270-4290' Limestone; as above.
4290-4300' Limestone; cream, gray, finely crystalline, chalky, dense, plus gray and green shale.

### FT SCOTT SECTION

4308-4312' Limestone; cream, tan, fine to medium crystalline, fossiliferous/oolitic, granular in part, poorly developed porosity, no shows.
 4324-4328' Limestone; cream, tan, finely crystalline, fair to good intercrystalline and vuggy type porosity, brown stain, show of

free oil and faint odor in fresh samples.

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**Drill Stem Test #3** 

4300-4340'

Times:

30-45-45-60

Blow:

Weak to fair (3" - 8")

Recovery:

170' gas in pipe

77' mud, show of oil

Pressures: ISIP

1018

psi

**FSIP 997** IFP 15-32 psi psi

FFP 35-53

psi

HSH 2150-2093

psi

## **CHEROKEE SECTION**

4334-4356'

Limestone; gray, tan, finely crystalline, dense, fossiliferous in

part.

4362-4374'

Limestone; gray, cream, finely crystalline, dense, trace tan,

boney chert.

### **CONGLOMERATE SECTION**

4375-4394'

Varied colored shale, trace tan to red chert.

### MISSISSIPPIAN SECTION

4394-4406'

Dolomite; tan, buff, finely crystalline, sucrosic in part, slightly

cherty, poor visible porosity, no shows.

4406-4416'

Dolomite; cream, tan, fine to medium crystalline, few sucrosic,

no shows.

4416-4420'

Dolomite; cream, gray, fine to medium crystalline, scattered

intercrystalline to fine vuggy porosity, black to brown stain, trace

of free oil and faint odor in fresh samples.

4420-4428'

Dolomite; tan, gray, fine and medium crystalline, scattered

pinpoint and fine vuggy porosity, brown stain, show of free oil

and fair to good odor in fresh samples.

**Drill Stem Test #4** 

4335-4428'

Times:

30-45-30-60

Blow:

Weak to dead

Recovery:

20' slightly oil cut mud

Pressures: ISIP 729

psi

**FSIP 715** 

IFP 20-24 psi

FFP 27-30 psi

HSH 2151-2099

psi psi

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4428-4434'

Dolomite; as above, glauconitic, brown stain and saturation,

show of free oil and good odor in fresh samples.

#### **Drill Stem Test #5**

4335-4434'

Times:

45-45-60-60

Blow:

Weak

Recovery:

62' oil cut mud (20% oil, 80% mud) 62' slightly oil cut mud (1% oil, 99% mud)

Pressures: ISIP 913

psi **FSIP 932** psi **IFP** psi 26-64 FFP 69-73 psi HSH 2143-2104 psi

4434-4452'

Dolomite; as above, fine to medium crystalline, trace stain, trace of free oil and faint odor. (decreasing show from above), plus white, boney chert.

4460-4480'

Chert; white, boney, trace black stain and golden brown edge

stain, no show of free oil or odor in fresh samples.

4480-4498'

Chert; white, boney, "fresh", no shows.

**Rotary Total Depth** Log Total Depth

4500 (-2144)

4498 (-2142)

### Recommendations:

On the basis of the low structural position and the negative drill stem tests it was recommended by all parties involved that the McCreight Trust #2 be plugged and abandoned at the Rotary Total Depth 4500 (-2144).

Respectfully submitted:

ames C. Musgrove and

oshua R. Austin

etrefeum Geologists

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