AB-17-13W ORIGINAL

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Reif Oil & Gas Wayne #1

NE-NE-NW; Section 28-17s-13w

Barton County, Kansas

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RECEIVED JUN 3 0 2005 KCC WICHITA

5 1/2" Production Casing Set

Contractor:

Southwind Drilling Company (Rig #2)

Commenced:

February 21, 2005

Completed:

March 1, 2005

Elevation:

1933' K.B.; 1931' D.F.; 1923' G.L.

Casing Program: Surface; 8 5/8" @ 870'

Production; 5 1/2" @ 3421'

Samples:

Samples saved and examined 2200' to the Rotary Total Depth.

Drilling Time:

One (1) foot drilling time recorded and kept 2200' to the Rotary

Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

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

Enterprises Inc.

Electric Log:

None.

Gas Detector:

By MBC Well Logging.

<u>Formation</u>	Sample Depth	Sub-Sea Datum
Anhydrite		
Bern	274	-778
Howard	2781	-848
Topeka	2815	-882
Heebner	3096	-1163
Toronto	3114	-1181
Douglas	3128	-1195
Brown Lime	3182	-1249
Lansing	3195	-1262
Arbuckle	3415	-1482
Rotary Total Depth	3428	-1495

(All tops and zones were made from a correlation of Drilling Time Log and Sample Analysis.)

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

TOPEKA SECTION

2976-2982' Limestone; gray, white, finely crystalline, granular, chalky, poorly

developed porosity, no shows.

3019-3024' Limestone; tan, buff, fossiliferous, fine to medium crystalline, fair

to good intercrytalline to vuggy type porosity, no shows.

3043-3049' Limestone; cream, tan, sub oomoldic, fossiliferous, chalky, trace

golden brown to brown stain, trace of free oil and faint odor in

fresh samples.

Drill Stem Test #1

3031-3050'

Times: 20-20-20-20 Blow: Weak

Recovery: 35' mud Pressures: ISIP 84

ISIP 841 psi FSIP 890 psi IFP 31-34 psi FFP 33-40 psi HSH 1474-1447 psi

3056-3068

Limestone; as above, trace brown stain, scattered porosity, no

free oil, no odor in fresh samples.

TORONTO SECTION

3114-3122' Limestone; gray, white, finely crystalline, granular, chalky, poor

visible porosity.

LANSING SECTION

3198-3204' Limestone; gray, finely crystalline, slightly fossiliferous, spotty

gray to brown stain, no show of free oil and questionable odor in

fresh samples.

3208-3213' Limestone; gray, tan, slightly fossiliferous, chalky, spotty brown

and gray stain, trace of free oil and no odor in fresh samples.

3225-3234' Limestone; white, tan, oolitic, slightly cherty, spotty stain.

3240-3246' Limestone; gray, tan, finely oolitic, sub oomoldic, slightly chalky,

brown to golden brown stain and saturation, trace of free oil and

faint odor in fresh samples.

3256-3262' Limestone; gray, cream, sub oomoldic, chalky, trace stain, trace

of free oil and no odor in fresh samples (90 unit kick).

<u>Drill Stem Test #2</u> 3187-3264'

Times: 20-20-20-20 Blow: Weak Recovery: 5' mud

Pressures: ISIP 246 psi

FSIP 135 psi IFP 63-66 psi FFP 67-69 psi HSH 1635-1572 psi



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3265-3279

Limestone; tan, buff, oomoldic, finely crystalline, fair oomoldic porosity, spotty stain, show of free oil and good odor in fresh

samples.

Drill Stem Test #3

3261-3279'

Times:

20-20-20-20

Blow:

Weak

Recovery: Pressures:

10' mud, show of oil ISIP 511 psi

FSIP 479

psi psi

IFP 32-34 FFP 36-37

psi

HSH 1648-1578

psi

3279-2386'

Limestone; tan, brown, oomoldic, fair oomoldic porosity, trace of

stain, trace of free oil and faint odor in fresh samples.

3317-3324'

Limestone; gray, cram, sub oomoldic, chalky, spotty stain.

3336-3342'

Limestone; gray, cream, fossiliferous, oolitic, gray to black stain,

show of free oil and faint odor in fresh samples.

3350-3366'

Limestone; gray, white, tan, sub oomoldic, chalky, poorly

developed porosity, trace of stain, no show of free and faint to

fair odor in fresh samples.

3396-3400'

Limestone; gray, cream, chalky, no shows.

ARBUCKLE SECTION

3415-3418'

Dolomite; gray, white, tan, finely crystalline, sucrosic, poorly

developed porosity, slightly cherty, dense.

3418-3423'

Dolomite; cream, tan, finely crystalline, sucrosic, scattered pinpoint to intercrystalline porosity, brown spotty stain, trace of

free oil and fair odor in fresh samples.

Drill Stem Test #4

3405-3423'

Times:

45-45-60-60 Weak

Blow: Recovery:

43' slightly oil cut mud

2' clean oil

Pressures:

ISIP 1092

psi

FSIP

psi

IFP 33-42

psi

FFP 44-48

psi

HSH 1706-1700

1070

psi



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3423-3428'

Dolomite; tan, buff, sucrosic, fair to good pinpoint to intercrystalline porosity, fair stain and saturation, fair show of free oil and fair odor in fresh sample.

Drill Stem Test #5

3422-3428'

Times:

45-45-45

Blow:

Weak

Recovery:

20' oil and gas cut mud

(30% oil, 70% mud) 70' clean gassy oil

Pressures:

ISIP 1027 psi FSIP 1031 psi IFP 27-48 psi FFP 49-59 psi HSH 1723-1681 psi

Rotary Total Depth 3428 (-1495)

Recommendations:

On the basis of the favorable structural position and the positive results of the Drill Stem Test #5, it was recommended by all parties involved to set and cement 5 ½" production casing at 3421' (seven foot off bottom) and the Wayne #1 be completed in the Arbuckle Dolomite by open hole completion methods.

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Respectfully submitted;

James C. Musgrove Petroleum Geologist

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