JAMES C. MUSGROVE

Petroleum Geologist P.O. Box 1162 Great Bend, KS 67530

Office (620) 792-7716

Res. Claflin (620) 587-3444

RECEIVED FEB 0 9 2006 KCC WICHITA

Globe Operating ivan #1 5' North & 20' West, E/2-NE-SE; Section 20-31s-11w Barber County, Kansas Page No. 1 15-007-22958-00-00

5 1/2" Production Casing Set

Contractor:

Southwind Drilling Company (Rig #2)

Commenced:

January 2, 2006

Completed:

January 11, 2006

Elevation:

1708' K.B.; 1706' D.F.; 1698' G.L.

Casing Program: Surface; 8 5/8" @ 360'

Production; 5 1/2" @ 4785'

Samples:

Samples saved and examined 2300' to the Rotary Total Depth.

Drilling Time:

One (1) foot drilling time recorded and kept 2300' to the Rotary

Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

Formation Testing: There were three (3) Drill Stem Tests ran by Superior Testers

Enterprises Inc.

Electric Log:

By Log Tech; Dual Induction, Compensated Density/Neutron,

Sonic and Micro Log.

Gas Detector:

By MBC Well Logging.

<u>Formation</u>	Log Depth	Sub-Sea Datum
Elgin Sand	3551	-1843
Heebner	3673	-1965
Lower Douglas Sand	3795	-2087
Brown Lime	3869	-2161
Lansing	3883	-2175
Base Kansas City	4342	-2634
Mississippian	4449	-2741
Kinderhook Shale	4556	-2848
Viola	4701	-2993
Simpson Sand	4784	-3076
Rotary Total Depth	4788	-3080
Log Total Depth	4787	-3079
(All tone and zones corre	ected to Electric Log	mageuramenta)

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

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

ELGIN SECTION

3552-3590'

Sand; gray, light gray, very fine grained, few medium grained, sub rounded, friable, calcareous, micaceous, trace gas bubbles,

no gas kick.

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KCC WICHITA

3590-3610'

Sand; as above, plus gray grayish green silty shale.

DOUGL	AS SE	ECTION

4163-4174'

4180-4200'

DOUGLAS SECTION	<u>.</u>
3690-3700'	Sand; very fine grained, micaceous, poorly developed porosity, no shows.
3700-3730'	Sand; as above, silty, poorly developed.
3730-3752'	Sand; as above, few friable, questionable gas bubbles, no stain, no fluorescence, no gas "kick".
3793-3810'	Sand; gray, light gray, fine to medium crystalline, sub rounded, friable, fair to good intergranular porosity, micaceous, trace gas bubbles, no stain, no fluorescence, no gas "kick".
3825-3852'	Sand; as above, friable, friable to good intergranular porosity, no shows.
LANSING SECTION	
3884-3890'	Limestone; gray, white, fossiliferous, trace fossil casts to sub oomoldic porosity, no shows.
	Limestone; gray, tan, fossiliferous, chalky, trace tan and white fossiliferous chert.
3896-3910'	Limestone; tan, gray, finely crystalline, fossiliferous in part, poor visible porosity, no shows.
3918-3930'	Limestone; buff/tan, fossiliferous, few oolitic, oomoldic in part, poorly developed fossil cast to oomoldic porosity, no shows.
3932-3938'	Limestone; tan, gray, fossiliferous, chalky.
3944-3982'	Limestone; as above, plus brown, tan, boney, opaque chert.
4002-4010'	Limestone; tan, fossiliferous, scattered fossil cast porosity, chalky, no shows.
4014-4022'	Limestone; as above.
4030-4036'	Limestone; tan, brown, finely crystalline, fossiliferous, few granular, chalky in part, no shows.
4060-4066'	Limestone; tan, fossiliferous, oolitic in part, chalky, plus gray, tan chert.
4084-4096'	Limestone; tan, oolitic, sub oomoldic, scattered oomoldic porosity, no shows.
4109-4124'	Limestone; tan, buff, oomoldic, fair to good oomoldic porosity (barren).
4139-4149'	Limestone; tan, gray, slightly fossiliferous, chalky, scattered porosity, no shows.

Limestone; as above, plus gray, white, opaque chert.

Limestone; as above.

Globe Operating
Ivan #1
5' North & 20' West, E/2-NE-SE; Section 20-31s-11w
Barber County, Kansas
Page No. 3

RECEIVED FEB 2 9 2006

KCC WICHITA

4206-4214' Limestone; tan, brown, finely crystalline, slightly fossiliferous, cherty in part, no shows.
4230-4238' Limestone; brown, tan, fossiliferous, slightly cherty, poor visible porosity, no shows.
4254-4270' Limestone; gray, white, slightly fossiliferous, chalky, poor visible porosity, plus gray and white chert.
4286-4292' Limestone; tan, brown, finely crystalline, chalky, increasingly cherty, poor visible porosity, no shows.
4306-4316' Limestone; gray, white, chalky, few fossiliferous, dense, plus

MISSISSIPPIAN SECTION

Chert; white, gray, semi-tripolitic, fair pinpoint to finely vuggy porosity, brown to golden brown to black stain, trace of free oil (500 unit gas kick).

Chert; white, clear, gray, boney, vitreous, black edge staining.

4470-4486' Chert; as above, brown to black edge staining, show of free oil and no door in fresh samples.

Drill Stem Test #1 4425-4486'

white and gray chert.

Times: 30-45-60-60

Blow: Strong, gas to surface 30 seconds into final flow

Gas gauged as follows;

 10 minutes
 15,900 cfgpd

 20 minutes
 27,600 cfgpd

 30 minutes
 28,500 cfgpd

 40 minutes
 28,000 cfgpd

 50 minutes
 27,600 cfgpd

 60 minutes
 27,600 cfgpd

Recovery: 30' oil and gas cut mud

(5% oil, 95% mud)

120' heavy oil cut watery mud (28% oil, 50% mud, 22% water)

Pressures: ISIP 913 psi

FSIP 1102 psi IFP 180-103 psi FFP 99-120 psi HSH 2269-2288 psi

4490-4510' Limestone; white, finely crystalline, fossiliferous/oolitic, chalky

increasingly cherty, plus tan chert.

4510-4540' Limestone; gray, white, tan, fine to medium crystalline, chalky.

4540-4546' Chert; white, clear, boney, translucent, trace gray, black stain,

no show of free oil or odor in fresh samples.

4546-4556' Limestone; white, gray, tan, fine to medium crystalline.

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KCC WICHITA

VIOLA SECTION

4701-4712'

Limestone; cream, white, fine to medium crystalline, chalky,

trace tan, sucrosic, dolomite, few granular, fair porosity, no

shows.

4712-4720

Limestone; and dolomite, as above, trace chert, tan gray, boney.

trace gas bubbles.

4720-4744

Chert and limestone: as above.

Drill Stem Test #2

4709-4746'

Times:

30-30-30-30

Blow:

Weak, died in 12 minutes

Recovery:

15' mud

Pressures: ISIP 50

FSIP 45 psi IFP 25-28 psi FFP 31-33 psi

HSH 2424-2341 psi

4744-4784'

Limestone; and chert as above, no shows.

psi

SIMPSON SECTION

4784-4788'

Sand; clear, gray, quartzitic, fine to medium grained, sub rounded, few sub angular, friable, fair to good intergranular porosity, spotty brown stain, show of free oil and faint odor, samples broken (30 unit gas increase).

Drill Stem Test #3

4761-4788'

Times:

30-45-45-60

Blow:

Weak to strong

Gas to surface 18 minutes final flow;

Gas gauged as follows;

20 minutes 10,700 cfgpd 30 minutes 9,450 cfgpd 40 minutes 7,980 cfgpd 45 minutes 7,140 cfgpd

Recovery: 330' muddy frothy oil

Pressures: ISIP 1434 psi

> **FSIP 1522** psi IFP 21-88 psi FFP 62-104 psi HSH 2444-2387 psi

Rotary Total Depth Log Total Depth

4788 (-3080) 4787 (-3079) Globe Operating
Ivan #1
5' North & 20' West, E/2-NE-SE; Section 20-31s-11w
Barber County, Kansas
Page No. 5

RECEIVED FEB 9 2006

KCC WICHITA

Recommendations:

On the basis of the favorable structural position and the positive results of Drill Stem Test #1 and #3, it was recommended to set and cement 5 ½" production casing at 4785' (3 foot off bottom) and the Ivan #1 be completed in the Simpson Sand by "open hole" completion methods. Before abandonment the following zones should be tested:

MUSG

307

Mississippian
 Mississippian
 Mississippian
 Mississippian
 4468-4474
 4462-4466
 4450-4458

Respectfully submitted;

James C. Musgrove Petroleum Geologist