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ORIGINAL

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Grady Bolding Corporation
Grizzell #25
C-W/2-NE/4; Section 31-17s-10w
Ellsworth County, Kansas
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5 1/2" Production Casing Set

Contractor: Vonfeldt Drilling Company

Commenced: July 22, 2005

Completed: July 26, 2005

Elevation: 1806' K.B.; 1804 D.F.; 1801' G.L.

Casing Program: Surface; 8 5/8" @ 330'
Production; 5 1/2" @ 3274'

Samples: Samples saved and examined 2500' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 2500' to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There was one (1) Drill Stem Test ran by Trilobite Testing Company.

Electric Log: None.

Gas Detector: None.

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<u>Formation</u>	<u>Sample Depth</u>	<u>Sub-Sea Datum</u>
Topeka	2599	-793
Heebner	2851	-1045
Toronto	2864	1058
Douglas	2879	1073
Brown Lime	2969	-1158
Lansing	2973	-1167
Base Kansas City	3248	-1442
Arbuckle	3268	-1462
Rotary Total Depth	3276	-1470

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

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**HOWARD SECTION**

2571-2598' Limestone; tan, gray, fine to medium crystalline, fossiliferous in part, slightly chalky.

TOPEKA SECTION

2678-2687' Limestone; cream, fine crystalline, chert, gray to tan, fossiliferous, boney in part.

2699-2706' Limestone; cream, fine crystalline, cherty, cream.

- 2712-2736' Limestone; as above.
- 2800-2810' Limestone; gray to tan, fine to medium crystalline, chalky, highly fossiliferous, few vuggy.
- 2823-2834' Limestone; gray, white, fossiliferous, chalky.
- 2838-2846' Limestone; as above.

TORONTO SECTION

- 2864-2973' Limestone; gray, tan, fossiliferous, dense.

LANSING SECTION

- 2978-2985' Limestone; gray to cream, fossiliferous, chalky, brown stain, faint odor.
- 2992-2997' Limestone; white, cream, slightly cherty, trace free oil, faint odor.
- 3004-3012' Limestone; cream, white, chert, cream.
- 3028-3034' Limestone; cream, white, cherty lime, faint odor (gassy), no free oil.
- 3042-3056' Limestone; cream, gray, fossiliferous, brown stain, no free oil, faint odor.
- 3081-3091' Limestone; cream to white, oolitic, oomoldic, plus chert, brown to tan, fossiliferous, good oomoldic porosity, no shows.
- 3118-3130' Limestone; cream, gray, oolitic, chalky, increasingly cherty, no shows.
- 3142-3149' Limestone; as above.
- 3158-3171' Limestone; tan to white, chalky, no shows.
- 3185-3192' Limestone; tan to white, oolitic/oomoldic, trace sucrosic, slightly dolomitic limestone.
- 3198-3205' Limestone; as above.
- 3227-3233' Limestone; white to gray, cherty.

ARBUCKLE SECTION

- 3268-3270' Dolomite; cream, white, finely to medium crystalline, spotty golden brown stain, no show of free and faint odor in fresh samples.
- 3270-3276' Dolomite; cream, white, medium to coarse crystalline, fair to good vuggy porosity, fair to good stain and saturation, trace of free oil and good odor in fresh samples.

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Drill Stem Test #1 3242-3276"

Times: 30-30-30-60

Blow: Strong

Recovery: 1922' gassy oil

Pressures:

ISIP	1039	psi
FSIP	1036	psi
IFP	98-435	psi
FFP	446-668	psi
HSH	1626-1572	psi

Rotary Total Depth 3276 (-1470)

Recommendations:

On the basis of the favorable structural position and the positive results of the Drill Stem Test, it was recommended by all parties involved to set and cement 5 1/2" production casing at 3275' (one foot off bottom) and the Grizzell #25 be completed in the Arbuckle Dolomite by "open hole" completion methods.

Respectfully submitted;

Josh R. Austin
Petroleum Geologist



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