

**BEREXCO, LLC.
JOHN # 1
NESENW 34 9S-15W
OSBORNE COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

JOHN # 1 SAMPLES

BEREDCO RIG 10 DRILLING 7 7/8 HOLE

ANHYDRITE 1186(+785) L

BASE 1224(+747) L

2800-20 SHALE gray,firm,blocky

2820-30 LIMESTONE buff,hard,dense, blocky

2830-70 SHALE as above with thin LIMESTONE gray,firm,very fossils,no shows

2870-80 LIMESTONE buff,light brown,slightly hard, fossils,poor vuggy porosity,no shows

2880-93 SHALE as above abundant pyrite

TOPEKA

2993-21 LIMESTONE buff,very hard,dense,slightly fossils,poor porosity,no shows

35' TOPEKA

2921-30 LIMESTONE buff,gray,firm,very fossils,argillaceous,chalky,poor porosity,no shows

2930-2990 LIMESTONE buff,gray,very hard,dense,slightly fossils,blocky

2990-3010 LIMESTONE as above some gray black chert with thin SHALE black, green, fissile, carbonaceous

3010-25 SHALE gray,green,firm

3025-50 LIMESTONE buff,very hard,dense, blocky

3050-75 LIMESTONE and SHALE as above

JOHN # 1 SAMPLES

3075-85 LIMESTONE buff,hard,blocky,dense

3085-94 LIMESTONE buff,firm,very fossils, granular texture,no shows

3194-3100 SHALE gray,green,firm,slightly carbonaceous

PLATTSMOUTH

3100-04 LIMESTONE buff,hard,dense

3104-08 LIMESTONE buff,soft,micro sucrosic,texture,fair micrxln porosity,even brown stain,good cut

3108-30 LIMESTONE buff,very hard,dense, blocky

HEEBNER

3130-34 SHALE dark gray black,black, fissile,carbonaceous

3134-40 LIMESTONE as above dense,no shows

3140-56 SHALE gray,red,argillaceous

TORONTO

3156-70 LIMESTONE buff,very hard,dense,blocky,no shows

3170-90 SHALE as above some black, carbonaceous

LANSOING A

3190-3206 LIMESTONE buff,very hard,dense,blocky, no shows

3206-10 SHALE red,green,soft,argillaceous

B ZONE

JOHN # 1 SAMPLES

3210-18 LIMESTONE buff,firm,micro crystalline,good oomoldic and crystalline porosity,spotty to even light brown stain,very good cut,good show free oil,good odor

3218-28 SHALE as above

C ZONE

3228-35 LIMESTONE buff,oomoldic,good moldic porosity,spotty brown live stain,good cut,good odor,fair free oil

3235-50 LIMESTONE buff,very hard,dense,blocky

3250-60 SHALE red,green,gray,firm,argillaceous

E ZONE

3260-68 LIMESTONE buff,gray,very hard,dense,blocky

3268-74 SHALE as above

F ZONE

3274-78 LIMESTONE buff,slightly hard,fossils, poor to fair vuggy porosity,spotty live brown stain,good cut and odor,good show free oil

3278-85 SHALE as above

G ZONE

3285-90 LIMESTONE white,firm,fossils,chalky,abundant Chert white,fair intergranular and vuggy porosity, spotty faint brown stain,poor cut,no free oil

3290-3310 LIMESTONE buff,very hard,dense, no shows

3310-25 SHALE red,green,soft,very argillaceous

H ZONE

JOHN # 1 SAMPLES

3325-40 LIMESTONE gray,very hard,dense,argillaceous, poor porosity,no shows

3340-48 SHALE as above

I ZONE

3348-55 LIMESTONE gray,very hard,dense,argillaceous,no shows

3355-58 LIMESTONE white,slightly hard,oolitic,chalky,poor to fair intergranular porosity,spotty live brown stain,good cut,fair show free oil

3358-62 LIMESTONE gray,very hard,dense

3362-68 SHALE as above

3368-78 LIMESTONE buff,very hard,dense

J ZONE

3368-82 LIMESTONE buff,firm,fossils,slightly chalky,poor to fair microcrystalline and vuggy porosity,spotty live brown stain,good cut and odor,poor show free oil

3382-86 SHALE as above

3386- 90 LIMESTONE buff,very hard,dense

3390-94 SHALE black,firm,carbonaceous

K ZONE

3404-16 LIMESTONE pale gray,buff,very hard, dense,trace poor pinpoint vuggy porosity,very spotty brown stain,poor cut

3416-28 SHALE as above black,carbonaceous

L ZONE

JOHN # 1 SAMPLES

3428-48 LIMESTONE white, buff, hard, blocky, dense, abundant chalky, poor porosity, no shows

3448-68 SHALE red, green, soft, argillaceous

3468-3502 LIMESTONE buff, very hard, dense, blocky, no shows with interbedded SHALE as above

3502-14 LIMESTONE buff, very hard, dense, blocky, no shows

PAWNEE

3514-40 SHALE as above with thin LIMESTONE as above dense, no shows

3540-60 SHALE as above

CHEROKEE

3560-80 SANDSTONE white, clear, m to cg, rounded, wcm, calcareous cement, poor porosity, no shows abundant Chert yell, white, red

3580-3620 SHALE red, green, very soft, very argillaceous, abundant Chert as above

VIOLA

3620- 3680 Chert var color, fresh, blocky, very dense with thin stringers DOLOMITE buff, very hard, dense, blocky

3680-3700 SHALE as above

RTD 3700'