

**BEREXCO, LLC.
HUMMEL # 5
SWSWSW 30 14S-14W
RUSSELL COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

HUMMEL # 5

ANHYDRITE 999(+791) S

BASE 1034(+756) S

BEREDCO DRILLING RIG 10 DRILLING 7 7/8 HOLE

SAMPLES DESCRIPTIONS HUMMEL # 5

2500-2676 SHALE gray,gray green,firm,very argillaceous with thin bedded LIMESTONE pale gray,firm,dirty,poor porosity,no shows

2676-2745 LIMESTONE buff,hard,blocky,dense, poor porosity,no shows with thin SHALE as above

2745-80 LIMESTONE pale gray,buff,firm,slightly chalky,fossils,poor to fair intxn porosity,no shows with thin SHALE as above

2780-2830 LIMESTONE buff,hard,blocky,dense, poor porosity,no shows with thin SHALE as above

2830-36 GRAINSTONE white, firm,very oolitic,fair to good intergranular porosity, spotty live brown stain,very good cut,good show free oil

2836-50 LIMESTONE buff,very hard,blocky,dense, poor porosity,no shows

2850-62 LIMESTONE buff,hard,slightly fossils, dense,poor porosity,no shows

HUMMEL # 5

2862-72 LIMESTONE buff,firm,oolitic, poor to fair intergranular porosity,spotty live brown stain,good cut,fair show free oil

2872-80 LIMESTONE buff,hard,dense,no shows

2880-82 LIMESTONE white,firm,oolitic, poor to fair intergranular porosity,spotty live brown stain,good cut and odor,poor show free oil

2882-2900 LIMESTONE buff,hard,dense,slightly fossils,no shows

2900-20 SHALE dark gray,gray black,firm,fissile with thin LIMESTONE buff,very hard,very dense

2920-26 LIMESTONE buff,firm,slightly oolitic,chalky, poor to fair intergranular porosity,very spotty live brown stain,good cut,nfo

2926-34 LIMESTONE buff,hard,dense,no shows

2934-59 SHALE gray,green,firm,fissile

2934-62 LIMESTONE buff,hard,blocky,poor pinpoint vuggy porosity,very spotty live brown stain,fair cut,nfo

2962-75 LIMESTONE buff,very hard,dense,no shows

HUMMEL # 5

2975-79 SHALE as above

2979-84 LIMESTONE white,firm,chalky,poor crystalline and pinpoint vuggy porosity,spotty live brown stain,good cut and odor,trace free oil

2984-92 LIMESTONE buff,very hard,dense,no shows with thin SHALE as above

2992-3000 LIMESTONE as above trace poor pinpoint vuggy porosity with very spotty stain,poor cut,nfo

3000-16 LIMESTONE buff,hard,dense,poor pinpoint vuggy porosity with very spotty black dead stain,poor cut

3016-24 SHALE gray,firm,fissile

3024-32 LIMESTONE buff,very hard,dense, blocky,chalky in part,no shows with thin SHALE as above

3032-42 LIMESTONE white,firm,chalky,poor pinpoint vuggy porosity,very rare stain,poor cut

3042-48 LIMESTONE buff,firm,fossils,slightly chalky,fair moldic porosity,spotty live brown stain,good cut and odor fair show free oil

3048-60 LIMESTONE buff,very hard,dense, poor porosity,some fair moldic porosity,very spotty light stain,fair cut,nfo

HUMMEL # 5

3060-80 LIMESTONE buff,very hard,dense,poor porosity,as above some Chert white,no shows trace poor moldic porosity,no shows

3080-3100 SHALE gray,gray green,firm, blocky,limy with thin LIMESTONE as above

3100-10 LIMESTONE buff,hard,blocky, dense,trace poor moldic porosity,very spotty faint stain,poor cut with thin SHALE as above

3110-22LIMESTONE white,buff,slightly hard, oolitic,poor to fair moldic porosity,spotty live brown stain,good cut,poor show free oil with LIMESTONE buff,dense

3120-30 SHALE gray,gray black,firm,slightly carbonaceous,blocky

3130-44 LIMESTONE slightly hard,slightly chalky, oolitic,fair moldic porosity,spotty live brown stain,good cut,poor show free oil

3144-55 LIMESTONE buff,very hard,dense,no shows

3155-60 SHALE as above

3160-70 LIMESTONE as above very dense,no shows

3170-88 GRAINSTONE white, buff,slightly hard,very oolitic,poor to fair intg porosity,spotty to even live brown stain,very good cut and odor,good show free oil with thin LIMESTONE buff,very hard,dense

HUMMEL # 5

3188-95 DOLOMITE buff,slightly hard,fair oolitic moldic and crystalline porosity,spotty to even brown live stain,very good cut and odor,good show free oil

3195-3203 DOLOMITE firm,oolitic,micsuc,fair to trace good crystalline porosity,spotty to even brown live stain,very good cut and odor,good show free oil

3203-10 DOLOMITE as above,hard,micxln,poor intxln porosity,spotty brown stain,good cut and odor,nsfo

3210-18 DOLOMITE buff,firm,micsuc,fair to good intxln porosity,even live brown stain,good cut,and odor,good show free oil

3218-25 DOLOMITE white,buff,very hard,dense,no shows

3225-34 DOLOMITE buff,firm,micsuc,fair to good crystalline porosity,even live brown stain,good cut and odor,good show free oil

3234-80 DOLOMITE white,very hard,dense,very fnly crystalline,poor porosity,no shows some scattered samples with stain as above, probably cavings

RTD 3280'

LTD 3282'