

**BEREXCO, LLC.
HENDERSON A4
NWSWNE SECTION 22 11S-18W
ELLIS COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: HENDERSON A4

LOCATION: NWSWNE SECTION 22 11S-18W

COUNTY: ELLIS

STATE: KANSAS

SPUD DATE: 8-22-2010 COMPLETION DATE: 8-30-2010

ELEVATIONS: GL: 1936' KB: 1947'

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG & MICROLOG & DENSITY

WELLSITE ENGINEER: NONE

MUD COMPANY: ANDY'S

MUD TYPE & ENGINEER: FRESH CHEMICAL

GEOLOGIST: WILLIAM B.BYNOG

HOLE SIZE: 7 7/8

MUD LOGGING BY: NONE

DRILL STEM TEST COMPANY: TRILOBITE

DRILL STEM TEST: DST#1 3095-3113, DST#2 3154-3210,
DST#3 3225-44, DST#4 3310-30, DST# 5
3392-3480

WELL STATUS: SET PRODUCTION PIPE

ANHYDRITE 1188(+824) S 1190(+822) L GOETZ C3.txt

BASE 1224(+788) S 1228(+784) L

BEREDCO RIG 10 DRILLING 7 7/8 HOLE

GOETZ # C3 SAMPLE DESCRIPTIONS

2800-40 SHALE gray,firm,argillaceous

2840-70 LIMESTONE tan,hard,fossils,poor porosity

2870-2910 SHALE gray green,firm,argillaceous / interbedded LIMESTONE as above

2910-20 LIMESTONE buff,tan,very hard,dense, fossils,crptoxln / thin SHALE as above

2920-80 SHALE gray,green,firm,argillaceous, some silty

3980-95 LIMESTONE tan,hard,fossils,some argillaceous,poor porosity,no shows

2995-10 LIMESTONE tan,very hard,dense,crptoxln

3010-15 SHALE green,gray green,firm,argillaceous

3015-35 LIMESTONE tan,very hard,dense,crpto crystalline / thin SHALE as above

3035-60 LIMESTONE as above / bedded SHALE as above

3060-85 LIMESTONE as above

3085-3115 SHALE green,gray green,some black,firm,carbonaceous / thin bedded
LIMESTONE buff,tan,hard, fossils,dense

GOETZ C3.txt

3115-40 LIMESTONE buff,tan,very hard,dense, slightly fossils,abundant Chert gray

3140-60 SHALE gray,green,firm,waxy

3160-3210 LIMESTONE buff,tan,very hard, dense,slightly fossils,abundant Chert gray,tan / thin SHALE as above

3210-30 LIMESTONE tan,very hard,dense,slightly fossils

3230-50 SHALE black,some green, firm,carbonaceous / thin bedded LIMESTONE as above

3250-70 LIMESTONE buff,very hard,dense, crptoxln

3270-80 SHALE green,some black,firm,argillaceous,slightly carbonaceous

3280-95 LIMESTONE buff,very hard,dense,crptoxln

3395-3300 SHALE as above

3300-20 LIMESTONE white,firm,micro sucrosic,oolites,chalky,good moldic and vuggy porosity, spotty to even brown stain,very good cut,faint odor

3320-30 LIMESTONE/GS white,firm,very oolites, good intergrn porosity,spotty to even brown stain,very good cut,fair odor,good show free oil

3330-40 LIMESTONE buff,very hard,dense, crptoxln,no shows

3340-45 SHALE green,gray,red,firm, argillaceous

3345-50 LIMESTONE buff,hard,fossils,poor porosity,no shows

3350-60 LIMESTONE/GS white,firm to slightly hard,very oolites, fair to good intergran porosity,spotty to even brown stain,good cut and odor,fair show free oil

3360-70 SHALE as above/ LIMESTONE buff,very hard,dense

3370-80 LIMESTONE/GS white,slightly hard,very fossils to oolites,chalky,fair vuggy and intergran porosity,spotty brown stain,good cut and odor,poor show free oil

3380-3400 LIMESTONE buff,very hard,dense

3400-10 SHALE as above

3410-25 LIMESTONE buff,firm,crystalline, granular texture,fossils,poor porosity,no shows

3425-35 SHALE as above

3435-45 LIMESTONE white,buff,micro crystalline,fossils,poor to fair crystalline and poor to poor vuggy porosity,spotty to even stain, fair odor, poor show free oil

3445-55 SHALE as above / thin LIMESTONE dense

3455-65 LIMESTONE white,buff,hard,microcrystalline,slightly fossils,poor to fair crystalline and poor to poor vuggy porosity,spotty brown stain,fair cut and odor,poor show free oil

3465-75 SHALE red,green,soft,very argillaceous

3475-85 LIMESTONE buff,very hard,dense

3485-90 SHALE as above

3490-3515 LIMESTONE buff,very hard,dense/ thin bedded SHALE gray green,green, argillaceous

3515-17 LIMESTONE white,firm,oolites,fair intergran vuggy porosity,spotty stain,good cut and odor,fair show free oil

3517-20 DOLOMITE buff,soft,microsuc texture,fair to good crystalline porosity,even brown stain,very good cut and odor,good show free oil/ thin SHALE ble green,firm waxy

3520-30 DOLOMITE AA becoming sucrosic,crse crystalline,good interxln and vuggy porosity,even stain,very good cut and odor,very good show free oil

3530-47 DOLOMITE AA good porosity,even to spotty stain,good cut and odor,fair to good show free oil,abundant pyrite,Chert white

3547-60 DOLOMITE as above firm,fair to good interxln and vuggy porosity,even brown stain,very good cut and odor,very good show free oil/ thin DOLOMITE buff,very hard,dense,no shows

3560-75 DOLOMITE buff,very hard,dense,crpto crystalline,no shows, some microcrystalline,poor to fair porosity,very spotty,fair cut and odor,abundant Chert white

3575-92 DOLOMITE buff,firm,microsuc, fair to good crystalline porosity,no shows becoming chalky, abundant Chert white

RTD 3592

LTD 3600