

**BEREXCO, LLC.  
ARMBRISTER # 1  
NWNWNE SECTION 10 11S-19W  
ELLIS COUNTY, KANSAS**

**GEOLOGIST  
WILLIAM B. BYNOG**

## RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: ARMBRISTER # 1

LOCATION: NWNWNE SECTION 10-11S-19W

COUNTY: ELLIS

STATE: KANSAS

SPUD DATE: 9-30-2010 COMPLETION DATE: 10-8-2010

ELEVATIONS: GL: 2063' KB: 2074'

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG, MICROLOG & SONIC

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 Misran, DST#2 3032-3105, DST#3  
3285-3365, DST#4 3375-3500, DST#5  
3507-95, DST#6 3593-3600

WELL STATUS: PLUG & ABANDON

ARMBRISTER #1 SAMPLE DESCRIPTIONS.txt  
BEREDCO RIG 10 DRILLING 7 7/8 HOLE

ANHYDRITE 1418(+656) S

1418(+656) L

BASE 1449(+625) S

1449(+625) L

ARMBRISTER # 1 SAMPLE DESCRIPTIONS

2900-40 SHALE gray ,green,firm,fissile/ thin bedded LIMESTONE gray,hard,dense,  
slightly fossils

2940-60 LIMESTONE gray brown,hard,dense, fossils

2960-90 SHALE as above

2990-3000 LIMESTONE as above

3000-10 SHALE as above

TOPEKA

3010-40 LIMESTONE buff,very hard,dense,slightly fossils

35' TOPEKA

ARMBRISTER #1 SAMPLE DESCRIPTIONS.txt

3040-50 LIMESTONE white,firm,slightly chalky,fair crystalline and vuggy porosity, even brown stain,very good cut and odor,very good show free oil

3050-70 LIMESTONE buff,hard,dense,slightly fossils / some pr poor to poor vuggy porosity, spotty brown stain,good cut and odor,fair show free oil

3070-90 LIMESTONE buff,very hard,dense,some pr poor to poor porosity, very spotty brown stain,fair cut and odor,no free oil

3090-3105 LIMESTONE white,firm,very chalky,some microcrystalline / spotty stain,fair cut and odor,poor show free oil

3105-60 LIMESTONE buff, gray brown,very hard,dense, crptoxln,abundant Chert tan

3160-3198 LIMESTONE as above / thin bedded SHALE black,green,firm,fissile

3198-3202 LIMESTONE white,buff,slightly hard,very fossils,chalky,poor vis porosity,no shows

3202-35 LIMESTONE buff,hard,fossils,dense,slightly chalky,abundant Chert tan  
HEEBNER

3235-40 SHALE black,firm,blocky, carbonaceous

3240-50 SHALE green,soft,argillaceous / LIMESTONE as above  
TORONTO

3250-65 LIMESTONE buff,very hard,dense,slightly fossils,crptoxln,slightly chalky,no shows

3265-76 SHALE green,red,firm,slightly silty  
LANSING A

3276-95 LIMESTONE white,buff,very hard,dense, abundant Chert tan,white,no shows

ARMBRISTER #1 SAMPLE DESCRIPTIONS.txt

3295-3310 SHALE as above

B ZONE

3310-17 LIMESTONE white,firm,oolites,chalky,poor to fair pin point vuggy porosity,spotty brown stain,good cut,faint odor,pr show free oil

3317-25 SHALE green,soft,very argillaceous

C ZONE

3325-40 LIMESTONE white,hard,oolites,poor microcrystalline and pin point vuggy porosity,very spotty brown stain,pr slow cut,no free oil

3340-50 SHALE gray green,green,firm,argillaceous

E ZONE

3350-56 LIMESTONE buff,very hard,dense,trace poor crystalline porosity,very spotty brown stain,fair cut,trace free oil

F ZONE

3356-62 LIMESTONE white,slightly hard,oolites,slightly chalky,fair vuggy and intergranular porosity,spotty to even brown stain,very good cut,fair odor,good show free oil

G ZONE

3365-3400 LIMESTONE buff,very hard,dense, crptoxln,some Chert tan

3400-10 SHALE green,soft,very argillaceous

H ZONE

3410-14 LIMESTONE white,slightly hard,very oolites, poor to fair vuggy and intergranular porosity,spotty brown stain,good cut and odor,fair show free oil

3414-30 LIMESTONE buff,very hard,dense,trace very poor pin point vuggy porosity,very spotty stain,poor cut / thin SHALE as above

I ZONE

ARMBRISTER #1 SAMPLE DESCRIPTIONS.txt

3430-40 LIMESTONE buff,very hard,dense, abundant Chert tan,white / trace very spotty stain,poor cut as above

J ZONE

3440-44 LIMESTONE white,hard,slightly oolites,poor very spotty brown stain,fair cut,no free oil

3444-55 LIMESTONE buff,very hard,dense, abundant Chert white,tan

3455-65 SHALE red,green,soft to firm,argillaceous,fissile

K ZONE

3465-70 LIMESTONE white,buff,firm,oolites, poor to fair porosity , poor vuggy and intergran porosity,spotty stain,good cut,fair odor,poor show free oil

3470-80 LIMESTONE as above very hard,dense,abundant Chert white,tan / thin SHALE as above

3480-90 SHALE black,green,firm,fissile, carbonaceous

L ZONE

3490-96 LIMESTONE buff,firm,oolites,fair vuggy and intergranular porosity,spotty to even brown stain,very good cut and odor,fair show free oil

3496-05 LIMESTONE buff,very hard,dense

3505-25 SHALE red,green,soft,argillaceous / thin LIMESTONE as above dense,trace dead stain

MARMATON

3525-42 LIMESTONE buff,hard,dense,poor pin point vuggy porosity,dead stain

3542-60 SHALE as above / very abundant Chert white,yell,tan grding to cong

ARMBRISTER #1 SAMPLE DESCRIPTIONS.txt

3560-70 SANDSTONE translucent, firm, fine to coarse grained, sand to rounded, siliceous cement, poor to fair granular porosity, spotty dead stain, good cut

3570-80 SHALE red, green, firm, fissile, abundant Chert as above

3580-90 SHALE bright blue, firm, fissile, abundant disseminated pyrite

ARBUCKLE

3590-95 DOLOMITE buff, tan, firm, microcrystalline, sandy, fair to good crystalline and vuggy porosity, even black stain saturated, very good cut and odor, very good show free oil

3595-3600 DOLOMITE as above slightly hard, spotty to even stain, very good cut, good show free oil, abundant Chert white

3600-30 DOLOMITE buff, hard, microcrystalline, dense, no shows, some poor to fair crystalline porosity, very spotty black stain, good cut, poor show free oil, abundant Chert white

3630-35 SHALE bright blue, firm, waxy

3635-60 DOLOMITE buff, firm, microcrystalline, fair to good vuggy and crystalline porosity, very rare stain, fair cut, no free oil, abundant Chert white

3660-80 DOLOMITE buff, hard, dense, poor crystalline porosity, no shows

RTD 3680

LTD 3681