

**BEREXCO, LLC.
BENSON # 10
SWSW SECTION 15 9S-21W
GRAHAM COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: BENSON # 10

LOCATION: SWSW SECTION 15 9S-21W

COUNTY: GRAMHAM

STATE: KANSAS

SPUD DATE: 3-17-2012 COMPLETION DATE: 3-24-1012

ELEVATIONS: GL: 2244 KB: 2255

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: DUAL INDUCTION,
COMPENSATED NEUTRON, MICRO &
SONIC LOGS

WELLSITE ENGINEER: NONE

MUD COMPANY: ANDY'S MUD

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 3652-3736'

WELL STATUS: SET 5 ½ PRODUCTION PIPE

BENSON # 10 SAMPLE DESCRIPTIONS
BEREDCO RIG 10 DRILLING 7 7/8 HOLE

BENSON # 10 SAMPLE DESCRIPTIONS

ANHYDRITE 1712(+543) S
1716(+539) L

BASE 1748(+507) S
1752(+503) L

3100-15 SHALE gray gray green,firm,blocky

3115-45 LIMESTONE buff,hard,blocky,slightly chalky,poor porosity,no shows with thin SHALE as above

3145-60 LIMESTONE gray brown,very hard,very dense,poor porosity,no shows

3160-94 LIMESTONE SHALE as above

TOPEKA

3194-3222 LIMESTONE buff,very hard,dense,very fossils,poor porosity,no shows

35' TOPEKA

3222-30 LIMESTONE white,firm,very fossils, slightly chalky,fair intergranular porosity,no shows

BENSON # 10 SAMPLE DESCRIPTIONS

3230-40 LIMESTONE buff,hard,blocky,fossils,dense,poor porosity,no shows

3240-65 SHALE gray,gray green,firm,silty with thin LIMESTONE as above

3265-3310 LIMESTONE gray brown,buff,very hard,fossils,dense,poor porosity,no shows with thin SHALE as above

3310-20 LIMESTONE white,firm,very fossils,slightly chalky,fair intergranular porosity,no shows

3320-45 LIMESTONE gray brown,very hard,dense,no shows

PLATTSMOUTH

3345-56 LIMESTONE white,firm,fossils,slightly chalky,fair porosity,no shows abundant Chert white

3356-66 LIMESTONE as above dense,no shows

3366-92 LIMESTONE white,firm,fossils, chalky,fair porosity,no shows

3392-3400 LIMESTONE as above very hard,dense,no shows

HEEBNER

3400-04 SHALE gray black,black,carbonaceous,fissile

3404-20 SHALE red,green,gray,firm,argillaceous,with thin LIMESTONE white,very hard,dense

BENSON # 10 SAMPLE DESCRIPTIONS

TORONTO

3420-30 LIMESTONE white, buff, very hard, fossils, poor porosity, no shows

3430-36 SHALE as above

LANSING A

3436-48 LIMESTONE white, firm, very chalky, poor porosity, no shows, abundant Chert white

3448-66 LIMESTONE white, buff, hard, poor porosity, no shows

3466-75 SHALE as above

B ZONE

3475-81 LIMESTONE white, slightly hard, oolites, slightly chalky, sandy, fair to good vuggy porosity, spotty light brown stain, good cut, faint odor, nsfo

3481 to 86 LIMESTONE very hard, dense as above

3486-96 SHALE as above

C ZONE

3496-3506 LIMESTONE white, hard, chalky, slightly oolites, poor vuggy porosity, spotty brown stain, good cut

3506-12 SHALE red, green, soft, argillaceous

BENSON # 10 SAMPLE DESCRIPTIONS

E ZONE

3510-14 LIMESTONE white,hard,slightly fossils,poor intergranular porosity,very spotty brown stain,fair cut

3514-20 SHALE as above

F ZONE

3520-22 LIMESTONE as above,very spotty stain,fair cut

3522-32 LIMESTONE buff,very hard,dense,no shows

G ZONE

3532-38 LIMESTONE white,firm,very oolites,fair to good intergranular porosity,spotty brown live stain,good cut,psfo

3538-60 LIMESTONE buff,very hard,dense,no shows

3560-70 SHALE as above some black,carbonaceous

H ZONE

3570-80 LIMESTONE buff,very hard,dense,trace rare faint brown stain,poor cut

3580-92 SHALE var color as above

I ZONE

BENSON # 10 SAMPLE DESCRIPTIONS

3592-3600 LIMESTONE buff,very hard,dense,trace light brown stain,poor cut

J ZONE

3600-14 LIMESTONE white,buff,very hard,dense,no shows

3614-20 SHALE as above

K ZONE

3620-30 LIMESTONE white,firm,oolites,poor to fair intergranular porosity,spotty brown stain,good cut,show free oil

3630-40 LIMESTONE buff,very hard,dense,abundant Chert white with thin SHALE as above

L ZONE

3640-56 LIMESTONE pale gray,very hard,dense,no shows

3656-78 SHALE as above abundant Chert white,orange

MARMATON

3678-84 LIMESTONE white,firm,oolites,slightly chalky,poor to fair intergranular porosity,spotty brown stain,good cut,no free oil

3684-96 LIMESTONE buff,pale gray,very hard,dense,no shows abundant Chert as above

3796-3708 LIMESTONE white,firm,fossils chalky,poor to fair intergranular and vuggy porosity,spotty brown stain,good cut,show free oil

BENSON # 10 SAMPLE DESCRIPTIONS

3708-15 LIMESTONE white, buff, very hard, dense, no shows

3715-32 SHALE ble, firm, fissile, dism pyrite with strngs LIMESTONE white, firm, oolites, poor to fair intg porosity, spotty brown stain, good cut, show free oil

ARBUCKLE

3732-40 DOLOMITE buff, slightly hard, microsucrosic texture, fair to good intercrystalline porosity, even brown stain, very good cut and odor, very good show free oil

3740-62 DOLOMITE as above good porosity, very good cut and odor, good show free oil with interbedded DOLOMITE buff, very hard, dense no shows

3762-80 DOLOMITE as above, fair to gd crystalline porosity, even brown live stain, very good cut and odor, good show free oil with interbedded DOLOMITE very hard, very dense, no shows abundant Chert white

3780-04 DOLOMITE buff, very hard, poor to fair vuggy porosity, spotty brown live stain, good cut and odor, show free oil with bedded DOLOMITE as above very hard, dense, no shows abundant Chert as above white

3804-32 DOLOMITE buff, very hard, dense, as above with stringers DOLOMITE buff, firm, microsucrosic, fair to good live brown spotty stain, very good cut, good show free oil

3832-52 DOLOMITE buff, very hard, dense, no shows, abundant Chert white with stringers DOLOMITE buff, firm, poor to fair crystalline porosity, very spotty brown stain, good cut, no free oil

BENSON # 10 SAMPLE DESCRIPTIONS

3852-80 DOLOMITE buff,very hard,dense, poor to fair crystalline porosity,no shows some scattered spotty dead stain,poor cut

RTD 3880'

LTD 3884'