

**BEREXCO, LLC.
WOLF # 5
SWSENW SECTION 16-15S-18W
ELLIS COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: WOLF # 5

LOCATION: SWSNW 16 15S-18W

COUNTY: ELLIS

STATE: KANSAS

SPUD DATE: 6-30-2010 COMPLETION DATE: 7-10-2010

ELEVATIONS: GL: 2030' KB: 2041'

CONTRACTOR: BEREDCO RIG 10

LOGS: SUPERIOR TYPES: RAG & MICROLOG

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 3300-50, DST#2 3350-90, DST#3
3420-2520, DST # 4 3589-3601, DST# 5
3598-3612, DST # 6 3616-21, DST#7 3627-
33

WELL STATUS: SET PRODUCTION PIPE

SUMMARY AND CONCLUSION

Wolf # 5 was drilled south of Hays, Kansas in the oil Shoenchen Field. This well was drilled on a seismic anomaly between producing wells. Our primary objectives were the Lansing, Kansas City and Arbuckle formations. Secondary objectives were the Topeka and Plattsmouth formations.

The Stone Corral anhydrite came in flat to prognosis however; there was some thinning of the section resulting in the Lansing/Kansas City formation coming in three feet high to the prognosis. Our secondary objective the Topeka had no sample shows, so drilling continued to our primary objectives the Lansing/Kansas and Arbuckle.

The Lansing A and B zones both had good sample shows and were tested on drill stem test # 1 recovering 30 feet of gas and mud cut oil and 540 feet of muddy water. Drill stem test # 2 on the C, D and F zones recovered 750 feet of gas in pipe, 30 feet of clean oil, 120 feet of gas and oil cut watery mud and 300 feet of muddy water with oil spots. Drill stem test # 3 on the H, I, J and K zones recovered 120 feet of gas in pipe, 90 feet of oil cut mud and 60 feet of slightly oil cut mud.

The Arbuckle was tested four times until the oil water contact was found. The upper most Arbuckle was very poorly developed and tested only one foot of drilling mud on drill stem test # 4. The second bench tested 340 feet of clean oil and 120 feet of muddy gassy oil on drill stem test #5. Drill stem test # 6 on the third bench recovered 120 feet of gas in pipe and 602 feet of clean oil. Finally, water was recovered on drill stem test # 7 recovering 60 feet of gas in pipe, 70 feet of clean oil and 422 feet of water.

The electric logs agreed with sample evaluation and drill stem test data recording fair porosity development with micro log separation and high resistivity in the zones that tested free oil. The Arbuckle zones all appeared be separated by thin interbedded shale and all had different shut-in pressures, suggesting isolated reservoirs. A decision was made to run production casing on the favorable Arbuckle drill stem tests and log calculations.

FORMATION TOPS

FORMATION	DEPTH (LOGS)
STONE CORRAL	1200(+841)
BASE	1238(+803)
TOPEKA	
PLATTSMOUTH	
HEEBNER	3270(-1229)
TORONTO	
LANSING A	3316(-1275)
B ZONE	3338(-1297)
C ZONE	3356(-1315)
D ZONE	
E ZONE	3378(-1337)
F ZONE	3384(-1343)
G ZONE	3394(-1353)
H ZONE	3448(-1407)
I ZONE	3471(-1530)
J ZONE	3490(-1449)
ARBUCKLE	3598(-1557)

WOLF #5 SAMPLES

ANHYDRITE 1200(+ 841) S

BEREDCO RIG 10 DRILLING 7 7/8 HOLE

WOLF # 5 SAMPLE DESCRIPTIONS

2700-2870 SHALE gray, green, firm, argillaceous / thin bedded LIMESTONE buff, hard, dense, slightly chalky

2870-2930 LIMESTONE gray, buff, hard, fossils, dense, poor porosity, no shows

2930-3000 SHALE gray green, soft, very argillaceous/ thin LIMESTONE as above

3000-50 LIMESTONE pale gray, buff, hard, slightly fossils, slightly chalky, poor porosity, no shows / thin interbedded SHALE as above

3950-90 LIMESTONE buff, pale gray, very hard, dense, crptoxln, slightly fossils, poor porosity, no shows / thin / SHALE as above some black, carbonaceous

3090-3140 SHALE as above

TOPEKA

3140-70 LIMESTONE buff, very hard, very dense, crptoxln

3170-80 SHALE green, some black, firm, carbonaceous

3180-3210 LIMESTONE buff, hard, chalky, slightly fossils, poor porosity, no shows / thin SHALE as above

3210-40 LIMESTONE buff, firm, chalky, fossils, poor to fair porosity, no shows

3240- 50 LIMESTONE white, buff, firm, very chalky, slightly fossils, poor to fair porosity, no shows

WOLF #5 SAMPLES

3250-70 LIMESTONE buff, hard, dense, fossils, crptoxln
HEEBNER

3270-80 SHALE dark gray, black, firm, fissile, carbonaceous / thin
LIMESTONE as above very hard, dense

3280-95 SHALE gray, green, some black, firm, fissile
TORONTO

3295-3305 LIMESTONE buff, tan, very hard, dense, crptoxln, slightly fossils

3305-15 SHALE green, firm, fissile
LANSING A

3316-30 LIMESTONE white, buff, hard, very finely crystalline, slightly
fossils, poor pin point vuggy porosity / very spotty brown stain, good
cut, strng odor

3330-35 SHALE as above
B ZONE

3335-45 LIMESTONE buff, firm, oocastic, good moldic porosity, spotty to
even brown stain, very good cut, strng odor, slightly show free oil

3345-55 LIMESTONE buff, very hard, dense

3355-60 SHALE gray, green, firm, fissile
C ZONE

3360-70 LIMESTONE buff, hard, micro crystalline, very slightly
oolites, poor to fair interxln and vuggy porosity, spotty brown
stain, good cut and odor

3370-80 LIMESTONE buff, very hard, dense, crptoxln

WOLF #5 SAMPLES

F ZONE

3380-90 LIMESTONE white, buff, firm, oolites, slightly chalky, fair intergranular and vuggy porosity, spotty brown stain, good cut and odor, fair show free oil

G ZONE

3390-3400 SHALE green, gray, firm, fissile

3400-05 LIMESTONE buff, very hard, dense

3405-10 LIMESTONE white, firm, sandy, very chalky, poor vis porosity, trace black dead stain

3410-40 LIMESTONE buff, hard, dense, some Chert white

3440-45 SHALE as above

3445-48 LIMESTONE buff, very hard, dense

H ZONE

3448-52 LIMESTONE white, buff, firm, oolites, poor to fair moldic and vuggy porosity, spotty brown stain, good cut, fair odor, slightly show free oil

3452-65 LIMESTONE white, buff, firm, very chalky, slightly oolites, porosity, trace dead black stain

3465-70 SHALE green, gray, firm, silty

I ZONE

3470-80 LIMESTONE buff, hard, dense, some slightly oolites, poor vuggy porosity, very spotty brown stain, fair cut

3480-86 SHALE as above

J ZONE

WOLF #5 SAMPLES

3486-92 LIMESTONE buff, firm, micro crystalline, oolites, fair to good moldic porosity, spotty brown stain, fair cut, faint odor

3492-3505 LIMESTONE buff, very hard, dense

K ZONE

3505-20 LIMESTONE buff, slightly hard, oolites, oocastic, fair moldic porosity, spotty brown stain, good cut, fair show free oil, faint odor

3520-45 LIMESTONE buff, very hard, dense, no shows / thin SHALE as above

3545-60 SHALE gray green, some red, firm, fissile, argillaceous

3560- 80 LIMESTONE buff, very hard, dense, fossils / bedded SHALE as above

3580-90 LIMESTONE buff, hard, dense, fossils, no shows

ARBUCKLE

3590-3600 LIMESTONE white, firm, oolites, very sandy, chalky, poor visible porosity, spotty black dead stain, abundant Chert white, yellow

3600-08 SHALE red, green, firm, argillaceous

3608-23 DOLOMITE white, buff, firm, sucrosic texture, fair to good interxn porosity, even brown stain, good cut and odor, good show free oil, some Chert white/ thin SHALE as above

3623-26 SHALE as above

3626-35 DOLOMITE buff, slightly hard, sucrosic texture, oolites, fair interxn porosity, spotty brown stain, good cut, faint odor, fair show free oil, abundant Chert white, smky

3635-40 DOLOMITE white, buff, hard, microsucrosic, poor to fair interxn porosity, rare brown stain, weak cut, abundant Chert white, tan

WOLF #5 SAMPLES

3640-70 DOLomite white, buff, hard, poor to fair interln porosity, spotty black dead stain, / Chert white

3670-3700 DOLomite as above no stain, no show

RTD 3700'

LTD 3703'