

KCC

MAR 11 2005

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ORIGINAL

15-109-20739

**BEREXCO, INC.
COOK WFU #13X
C SWNW SECTION 13 T11S-R33W
LOGAN COUNTY, KANSAS**

**RECEIVED
MAR 16 2005
KCC WICHITA**

**GEOLOGIST
WILLIAM B. BYNOG**

13-115-33W

RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: COOK WFU #13X

LOCATION: SWNW SECTION
13 T11S-R33W

COUNTY: LOGAN

STATE: KANSAS

SPUD DATE: 2-5-2005 COMPLETION DATE: 2-14-2005

ELEVATIONS: GL: 3115' KB: 3125'

CONTRACTOR: MURFIN DRILLING RIG # 22

LOGS: LOG TECH TYPES: RAG, MEL
ENGINEER: DALE LEGLEITER

WELL SITE ENGINEER: NONE

MUD COMPANY: MUDCO

MUD TYPE & ENGINEER: FRESH CHEMICAL, REID ATKINS

GEOLOGIST: WILLIAM BYNOG

HOLE SIZE: 7 7/8

MUD LOGGING BY: NONE

CORE INTERVALS: NONE

DRILL STEM TEST COMPANY: TRILOBITE TESTING

DRILL STEM TEST: DST#1 4148-80, DST#2 4210-81
DST#3 4270-4305, DST#4 4300-30
DST#5 4570-4640

WELL STATUS: DRY HOLE

SUMMARY AND CONCLUSION

The Berexco Cook WFU#13X well was drilled west of Oakley, Kansas in the old water flooded Cook field. This location was an attempt to extend Cook Field farther west and make either a productive or an injection well. Our major zones of interest were the Lansing/Kansas City carbonates and the deeper Johnson Limestone zone.

Based on sample tops while drilling Cook WFU #13X came in structurally flat to the adjacent productive offset Cook WFU #6X in the Center of Southeast Northwest section 13 T11South-R33West. The Lansing A,B,C and G zones all had fair porosity development and filter cake suggesting some permeability but were all wet with no shows on sample evaluation.

The E Zone at 4168' was our first hydrocarbon show with some poor porosity development. This zone was tested on Drill stem test#1 recovering only 10 feet of drilling mud with some oil spots. The Lansing/Kansas City H, I, J and K Zones all had fair hydrocarbon shows with poor to fair porosity development. All these zones were tested with poor results recovering only minor amounts of drilling mud and very poor pressure data suggesting very little permeability.

The Johnson Zone at 4630' also had poor porosity development with a fair hydrocarbon show and was tested on Drill stem Test #5 recovering only 5 feet of drilling mud.

The Logs agreed with sample evaluation and Drill Stem test data indicating thin tight zones with very little permeability. Electric Log tops were four feet lower than the sample tops resulting in low, tight zones.

A decision was made to plug and abandon based on poor porosity and permeability development and poor Drill stem Test results.

FORMATION TOPS

FORMATION	DEPTH (LOGS)
STONE CORRAL	2614(+511)
BASE	2643(+482)
TOPEKA	3880(-755)
OREAD	3966(-841)
HEEBNER	4048(-923)
TORONTO	4074(-949)
LANSING A	4092(-967)
LANSING B	4130(-1005)
LANSING C	4134(-1009)
LANSING D	4140(-1015)
LANSING E	4164(-1039)
LANSING F	4178(-1053)
LANSING G	4192(-1067)
LANSING H	4241(-1116)
LANSING I	4272(-1147)
LANSING J	4294(-1169)
LANSING K	4310(-1185)
BKC	4340(-1215)
MARMATON	4392(-1267)
PAWNEE	4498(-1373)
CHEROKEE	4588(-1463)
JOHNSON	4632(-1507)
MISSISSIPPIAN	4690(-1565)
TOTAL DEPTH	4715(-1590)

BIT RECORD

Bit #	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS
1	121/4	HTC	DTC03	318	318	3
2	7 7/8	HTC	EP5601	4715	4397	115.25

DEVIATION RECORD

DEPTH	ANGLE
318	1
3407	1.5
4180	.75
4715	2

DAILY CHRONOLOGY

DATE	DEPTH AT 7:00	FOOTAGE	REMARKS
2-5-05	318	318	Spud, set surface
2-6-05	650	332	Drilling, survey
2-7-05	2235	1585	Drilling, survey
2-8-05	3099	864	Drilling
2-9-05	3815	716	Drilling, survey
2-10-05	4180	365	Drilling, CFS, DST#1
2-11-05	4281	201	CFS, DST#2 & 3
2-12-05	4330	49	CFS, DST#4
2-13-05	4500	170	Drilling
2-14-05	4640	140	DST#5, Logging

LITHOLOGY

HEEBNER

4046-50 Shale gray, gray green, black, hard, calcareous

TORONTO

4072-80 Limestone white, hard, dense, chalky, poor porosity, no shows

4080-4090 Shale as above, red, soft

LANSING A ZONE

4090-4105 Limestone white, firm, chalky, fair microcrystalline porosity, no shows

4105-14 Limestone white, very hard, cryptocrystalline, no show

4114-20 Shale as above

B ZONE

4120-30 Limestone cream, hard, microcrystalline, chalky, poor-fair intercrystalline porosity, no show

4130-40 Shale as above

C & D ZONE

4140-64 Limestone white, hard, very chalky, dense, some **CHERT** white, cream, no porosity

4164-70 Shale red, gray, brown, firm, argillaceous

E ZONE

4170-80 Limestone white, firm, fossiliferous, oolites, chalky, poor-fair porosity, spotty black stain, good cut, good odor

G ZONE

4180-94 Limestone cream, very hard, dense, chalky, some Chert white, no show

4194-4220 Limestone cream, firm, very chalky, fair porosity, no show

4220-34 Shale as above

H ZONE

4220-50 Limestone white, hard, dense, slightly fossiliferous, poor porosity, some light brown stain, slow cut

4250-70 Shale as above

I ZONE

4270-80 Limestone white, hard, chalky, some fossiliferous, poor porosity, spotty brown stain, good cut, no odor

4270-90 Shale as above

J ZONE

4290-4300 Limestone cream, hard, oolitic, chalky, poor some fair vuggy porosity, even brown stain, good fast cut, good odor

4300-10 Shale as above

K ZONE

4310-15 Limestone white, firm, microcrystalline, chalky, fair porosity, no show

4315-20 Limestone white, slightly hard, oolitic, chalky, poor porosity, some fair vuggy porosity, even-spotty brown stain, good cut, good odor

4320-40 Limestone white, hard, dense, poor porosity, no show

4340-50 Shale as above

L ZONE

4350-80 Limestone cream, hard, dense, no show

BKC

4380-90 Shale red, soft, as above

MARMATON

4390-4410 Limestone cream, hard, dense, chalky, no show

4410-30 Shale as above

4430-4500 interbedded Shale & limestone as above

PAWNEE

4500-20 Limestone light brown, tan, hard, dense, abundant CHERT white, orange, tan

4520-60 Shale black, firm, carbonaceous

4560-80 Limestone cream, hard, dense, some chalky, some CHERT as above

CHEROKEE

4580-90 Shale black, firm, carbonaceous

4590-4630 interbedded Shale & limestone as above

JOHNSON

4630-50 Limestone brown, hard, slightly fossiliferous, poor trace fair vuggy porosity, spotty brown stain, good cut, good odor, some free oil

4650-70 Shale as above

4670-80 Sandstone white, firm, fine-coarse grain, poorly sorted, angular, clay filled, poor porosity, no show

4680-90 Shale gray, green, yellow, firm, argillaceous

MISSISSIPPIAN

4690-4715 Limestone cream, very hard, dense, poor porosity, no show