CONFIDENTIAL ORIGINAL

BEREXCO, INC.
COOLEY B 19
SENENE SECTION 17 T9S-R21W
GRAHAM COUNTY, KANSAS

GEOLOGIST
WILLIAM B. BYNOG

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RESUME

OPERATOR:	BEREXCO, INC.
WELL NAME & NUMBER:	COOLEY B 19
LOCATION:	330'FEL & 990'FNL SECTION 17 T9S-R21W
COUNTY:	GRAHAM
STATE:	KANSAS
SPUD DATE: 3-18-2004	COMPLETION DATE: 3-25-2004
ELEVATIONS:	GL: 2213' KB: 2218'
CONTRACTOR:	MURFIN DRILLING RIG # 8
LOGS: LOG TECH	TYPES: RAG, MEL ENGINEER: BUTCH DRYLIE
WELL SITE ENGINEER:	NONE
MUD COMPANY:	MORGAN MUD
MUD TYPE & ENGINEER:	FRESH CHEMICAL, DAVE LINES
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 3398-3413' DST #2 3426-3456' DST# 3 3455-3520' DST# 4 3545-3587' DST #5 3580-3615' DST# 6 3700-3719'
WELL STATUS:	SET PIPE ON J ZONE & ARBUCKLE

SUMMARY AND CONCLUSION

The Cooley B 19 Well was an extension of Morel Field located in Graham County, Kansas. This well was drilled a total depth of 3719 testing the Lansing/Kansas City, Marmaton and Arbuckle formations. The major zones of interest were the Lansing B, Kansas City J and Arbuckle dolomite. Other zones of interest were the Plattsmouth, Lansing A, I and K zones.

Cooley B 19 came in structurally high to the surrounding wells at the Lansing top extending the Morel Field Structure farther northeast.

The Plattsmouth at 3328' came in high and was a well developed limestone with good intercrystalline porosity but wet on sample evaluation and logs.

The Lansing A zone at 3400' was the first good hydrocarbon in a well developed grainstone with fair porosity and flash cuts. This zone was tested on drill stem test#1 recovering 35' of clean oil, 30' of oil cut mud and 60' of muddy water.

The Lansing B zone at 3444 was also a well developed grainstone with fair porosity, even brown stain and good flash cuts. This zone was tested on drill stem test #2 recovering 60'of clean oil, 30'of oil cut mud and 120'of muddy water.

There were minor hydrocarbon shows in the Lansing/Kansas City C, E and F zones. All were tested including the G zone recovering 523' of salt water.

Drilling continued to the Kansas City J zone at 3572' were a very good drilling break and sample show was observed. Samples through this J interval had fair porosity development and good oil stain with a good streaming cut. This zone was tested on drill stem test # 4 recovering 275'gas in pipe, 56'clean oil and 150' of heavy oil and gas cut mud, no water.

The K zone at 3592'had a fair hydrocarbon show but appeared to be tight in sample evaluation. This zone was tested on drill stem test # 5 recovering 15' of mud with oil spots proving to be tight as the samples indicated.

There was an excellent hydrocarbon show in the Marmaton zone at 3650-58'with a good drilling break in a fine grained Sandstone. A decision was made to continued drilling and evaluate the Marmaton on logs.

The Arbuckle Dolomite was lower than expected at 3710'but had an excellent hydrocarbon show and porosity development. This zone was tested on drill stem test # 6 recovering 95'of clean oil and 285' of muddy water with good pressures indicating a permeable reservoir.

Logs agreed with sample evaluation with fair porosity development and fair resistivity indicating production in the Lansing A, B, J, Marmaton and Arbuckle zones. A decision was made to set pipe on the favorable Drill stem test and logs.

FORMATION TOPS

FORMATION	DEPTH (SUBSEA) LOGS
STONE CORRAL	1700(+518)
BASE	1734(+484)
TOPEKA PAY	3182(-964)
PLATTSMOUTH	3328(-1110)
HEEBNER	3362(-1144)
TORONTO	3386(-1168)
LANSING A	3400(-1182)
B ZONE	3442(-1224)
H ZONE	3534(-1316)
I ZONE	3556(-1338)
J ZONE	3570(-1352)
ARBUCKLE	3709(-1491)
T.D.	3717(-1499)

BEREXCO INC.
Cooley B19
SE NE NE 17-9S-21W
Graham County, Kansas

	Cooley B19				Cooley B7				Cooely B13				Swenson B8			
	2218 KB				SW NW NE 17-9S-21W				SW NE NE 17-9S-21W				SE SE SW 8-9S-21W			
	Sample Tops		Log Tops		2277 KB				2227 KB				2285 KB			
Formation	Depth	Datum	Depth	Datum	Depth	Datum	Corr.		Depth	Datum	Corr.		Depth	Datum	Corr.	
Anhydrite		######	1700	+518	1762	515			1710	517			1775	510		
Topeka Pay		######	3182	-964	3252	-975			3201	-974			3266	-981		
Plattsmouth		######	3328	-1110	3396	-1119			3348	-1121			3412	-1127		
Heebner		######	3362	-1144	3431	-1154			3382	-1155			3447	-1162		
Toronto		######	3386	-1168	3456	-1179			3406	-1179			3470	-1185		
LKC A		######	3400	-1182	3472	-1195			3422	-1195			3486	-1201		
LKC B		######	3442	-1224	3512	-1235			3462	-1235			3522	-1237		
LKC H		######	3534	-1316	3604	-1327			3553	-1326			3618	-1333		
LKC I		######	3556	-1338	3624	-1347			3574	-1347			3640	-1355		
LKC J		######	3570	-1352	3640	-1363			3590	-1363			3653	-1368		
Arb		######	3709	-1491	3760	-1483			3705	-1478			3784	-1499		
Total Depth		######	3717	-1499	3779	-1502			3714	-1487			3874	-1589		

BIT RECORD

Bit #	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS
1	121/4	VAR	L117	229	229	2.5
2	7 7/8	HTC	HX20C3	3719	3490	60.5

DEVIATION RECORD

DEPTH	ANGLE
229	1/2
1793	3/4
3413	3/4

DAILY CHRONOLOGY

DATE	DEPTH AT 7:00	FOOTAGE	REMARKS
3-18-04	229	229	spud, set surface
3-19-04	2200	1971	drilling
3-20-04	3030	830	drilling, DST #1
3-21-04	3456	426	drilling, DST #2
3-22-04	3520	64	drilling, DST#3
3-23-04	3587	67	drilling, DST#4
3-24-04	3615	28	drilling, DST#5
3-25-04	3719	104	DST#6, logging

LITHOLOGY

TOPEKA PAY

3180-3200	Limestone buff,firm,microcrystalline,fair porosity,chalky,trace rare dead brown stain, no cut
3200-3224	Shale gray,green,soft,argillaeous
3224-50	Limestone as above,no show
3250-3320	Shale as above /thin interbedded Limestone as above poor-fair porosity,no show
3320-25	Limestone buff,soft,coarse crystalline sugar texture, slightly chalky, good intercrystalline porosity, no show
3325-30	Shale as above

PLATTSMOUTH

3330-3350	Limestone buff,soft,as above good porosity and permeability, no show
3350-60	Limestone as above becoming microcrystalline,fair porosity, no show

HEEBNER

3360-70	Shale black,firm,carbonaceous
3370-90	Shale gray,red,green,firm,

TORONTO

3390-3400	Limestone buff,hard,dense

LANSING A ZONE

3400-15	Grainstone white, firm, medium grain oolites, fair intergranular porosity with spotty brown stain & bright yellow fluorescence, very good flash cut, faint odor
3415-30	Limestone white, hard, microcrystalline, poor porosity with spotty brown stain, weak cut

3430-3445	Shale as above
B ZONE	
3445-50	Grainstone white, slightly hard, medium grained oolites,fair intergranular & pin point vuggy porosity, even brown stain & bright yellow fluorescence, good flash cut
3450-80	Shale as above
3480-90	Limestone white,firm,very chalky, slightly fossilereous,some fair porosity with spotty brown stain, good cut
3490-3500	Shale as above
G ZONE	
3500-10	Limestone white,firm,very chalky,fair microcrystalline porosity, trace spotty brown stain,fair cut
3510-20	Limestone white, very hard, dense
3520-40	Shale as above
H ZONE	
3540-50	Limestone white,hard,microcrystalline,poor porosity, some fair scattered pin point porosity with spotty brown stain,fair cut
3550-58	Shale as above
3558-65	Limestone white, very hard,dense,trace scattered pin point porosity with spotty brown stain, fair cut
3565-70	Shale as above
J ZONE	
3570-80	Limestone white,firm,fossilifereous,oolites,slightly chalky,fair intergranular & vuggy porosity, even brown stain & bright yellow fluorescence, good flash cut
3570-90	Shale as above

K ZONE

3590-3600	Limestone white,firm,fossilifereous,fine grained oolites,chalky,poor some fair intergranular & vuggy porosity, even to spotty brown stain, good flash cut
3600-20	Limestone white, very hard, dense

BKC

3620-3650	Shale gray,green,red,soft as above

MARMATON

3650-60	Sandstone white,friable,fine grained, well sorted,subrounded,calcite limey cement, poor intergranular porosity, some pin point porosity, even brown oil stain, instant flash cut, abundant free oil
3660-90	Shale as above
3690-3710	Limestone white, very hard,dense,cryptocrystalline,trace rare dead black stain, weak cut

ARBUCKLE DOLOMITE

3710-17	Dolomite brown,firm,coarse crystalline, good intercrystalline & vuggy porosity with even oil saturation, excellent cut, abundant free oil, good odor