

ORIGINAL

SCOTT CORSAIR

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GEOLOGICAL REPORT

MID CONTINENT RESOURCES, INC.

HUMBURG #2X
NW NE SE
Section 25-19S-22W
Ness County, Kansas

RECEIVED
STATE CORPORATION COMMISSION

FEB - 5 1999

CONSERVATION DIVISION
Wichita, Kansas

OPERATOR: MID CONTINENT RESOURCES, INC.
 WELL: HUMBURG #2X
 API NO.: 15-135-24015
 LOCATION: NW NE SE, SEC. 25-19S-22W
 WELLSITE: FARMGROUND
 COMMENCED: MAY 8, 1998
 COMPLETED: MAY 14, 1998
 ELEVATIONS: 2256' GL ; 2264' KB
 TOTAL DEPTH: 4365' (DRILLER); 4365 (LOGGER)
 CASING: SURFACE: 8 5/8 @ 310' W/180 SKS
 PRODUCTION: 5 1/2 @ 4361' W/100 SKS
 PORT COLLAR @ 1451
 SAMPLES: 10 FT. FROM 3700' TO T.D.
 LOGS: DUAL INDUCTION, COMPENSATED NEUTRON
 DENSITY, BY ELI
 DRILLSTEM TESTS: NONE
 CONTRACTOR: DISCOVERY DRILLING (RIG 1)

REMARKS: Geological supervision: 3700' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1466	+798	1469	+795
Heebner	3721	-1457	3724	-1460
Lansing	3769	-1505	3770	-1506
Base Kansas City	4106	-1842	4104	-1840
Marmaton	4137	-1873	4138	-1874
Pawnee	4186	-1922	4186	-1922
Ft. Scott	4264	-2000	4264	-2000
Cherokee Shale	4284	-2020	4286	-2022
Cherokee Conglomerate	4329	-2065	4333	-2069
Mississippian Osage	4359	-2095	4359	-2095
Total Depth	4365	-2101	4365	-2101

SAMPLE ZONE DESCRIPTION

Logger's Measurements

LANSING-KANSAS CITY 3769 -1505

There were no shows of oil/gas observed in the porous zones during the drilling of the Lansing-Kansas City section.

FT. SCOTT 4264 -2000

Limestone: tan, micritic, poor intercrystalline porosity, very slight show of free oil, fair fluorescence, excellent cut, no odor.

CHEROKEE 4284 -2020

4288-4293; Sandstone: clear, angular, poorly sorted, fine to medium grained, few friable clusters, no show, computes as water on log.

4329-4344; Conglomerate: Dolomite, clear to tan, sparry, good intercrystalline and vuggy porosity, **Sandstone, Chert, Limestone,** fair show of free oil, excellent fluorescence, excellent cut, fair odor.

MISSISSIPPIAN OSAGE 4359 -2095

Chert: white, weathered tripolitic, good vuggy porosity, good show of free oil, excellent fluorescence and excellent cut, good odor. Trace of **Dolomite:** tan, sucrosic, good pinpoint porosity, good show of free oil, good odor, excellent fluorescence and cut.

FORMATION	Mid Continent Resources, Inc. Humburg 2X NW NE SE 25-19S-22W	Mid Continent Resources, Inc. Humburg 1X 150'NE of NE SE 25-19S-22W	Cities Service Humburg A #1 150' SW of NE SE 25-19S-22W
Anhydrite	+798	+797	+795
Lansing	-1505	-1501	-1507
Cherokee	-2020	-2019	-2023
Mississippian Osage	-2095	-2089	-2093

SUMMARY AND RECOMMENDATIONS

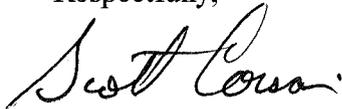
Structural position, Sample evaluation and Electrical log analysis indicate probable commercial production from the Cherokee and Mississippian Osage. Based upon available data 5 1/2" production casing was set.

Pipe was set 5 feet off bottom @ 4361'. The following zones are recommended for testing.

1. Mississippian Osage: 4361-4365 Open Hole
2. Cherokee Conglomerate: 4373-4380
3. Ft. Scott: 4270-4276; Before abandonment

Measurements were taken from rotary kelly bushing (8 feet above ground level). Logger's measurements are taken as correct.

Respectfully,



Scott Corsair
Petroleum Geologist