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Professional Energy Services

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GEOLOGICAL REPORT

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Operator: **EVERGREEN OPERATING CORPORATION**

Project: Straight Creek Well Name: Amon 41-30 WD

Location: AP 150S&135'E of NE NE - 810' FNL and 525' FEL

Sec. 30-T6S-R16E County: Jackson State: Kansas

All measurements GL: 1095' API: 15-085-20060-00-00

Company: Sr. Operations Engineer: Mr. Tom Erwin

Company: Geologist: Mr. Paul Clarke

Professional Energy Services: Geologist: Rich Robba

Drilling Superintendent: Fred O'Doan

Patterson Logging: Roger Taylor

Drilling Contractor: Layne Christensen Company

Geosearch Logging: Mudloggers: Pat Andrews/Nathan Barnes

Commenced: 12/03/03 Completed: 11/15/03

This geological report is prepared for **EVERGREEN OPERATING CORPORATION**. Wellsite geological supervision was conducted from surface to Total Depth. The Amon 41-30 WD well was air drilled to approximately 1710' and then drilled by rotary mud to the Arbuckle. ROP, gas curves and sample descriptions from air and mud rotary chips are recorded on the mud log and geophysical survey formation tops and coal intersections are listed below.

Amon 41-30 WD

This well encountered drilling problems that required several trips to ream or use special tools. Numerous washouts occurred resulting in false coal appearances and recording optimistic geophysical coal bulk density survey data. It is suggested to reference the Amon 41-30, approximately 100' south, when conducting Post Mississippian CBM correlating evaluations. A 20' drill pipe correction short was made at 3,195' to TD.

Formation E-Log Tops

Heebner Shale:	738'	Tebo Shale:	1675'
Lansing:	948'	Mississippi:	2182'
Stark Shale:	1222'	Kinderhook:	2419'
B/Kansas City:	1275'	Hunton:	2544'
Altamount:	1388'	Viola:	3055'
Summit:	1470'	Arbucke smp top	3254'
Excello:	1488'	RTD:	3308'
VShale:	1596'	LTD:	3139'

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Coal and Coal Shale Intersections Core or E-Log

Net Coals(ft) < 1.75 g.cc

Name	Depth
Bevier	1580-1581
Fleming	1634.8-1635.9
Mineral	1641-1642
Weir A	1730-1731
Weir B	1743-1744.5
Weir C	1760-1761.8
Bl. Jacket B	1843.7-1845.6
Bl. Jacket C	1863.7-1865
Bl. Jacket D	1872-1874
Drywood	1920-1922
Rowe B	1947-1948
Rowe D	1963-1965
Rowe E	1986-1987.8
Neutral E	2041-2043

Net Coals(ft) < 2.00 g.cc

Name	Depth
Bl. Jacket A	1797-1798.5
Rowe A	1934-1936
Neutral A	1996-1997
Neutral B	2011-2012
Neutral D	2028-2029
Werner A	2080-2081

Net Carbonaceous Shale (ft)

Name	Depth
Croweburg	1606-1607.6
Neutral C	2025-2026

Cumulative Net Thickness Core and Density E-Log

Net Coals(ft) < 1.75 g.cc

19.5'

Net Coals(ft) < 2.00 g.cc

7.5'

Net Carbonaceous Shale (ft)

2.6'

Conventional Oil and Gas Shows

None recorded.

Respectfully submitted,

Richard A. Robba, PG
Director of Operations
Professional Energy Services