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J. Copeland Landes

Exploration Geologist

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817-383-4035

January 12, 1990

1115 Thomas
Denton, Texas 76201

BALCRON OIL COMPANY
P. O. Box 21017
Billings, Montana 59104

Re: BALCRON OIL COMPANY
2 - 30⁸ Sprier
C S/2 SW SW
330' F S L 4420' F E L
Section 30 - T16S - R19W
Rush County, Kansas

GEOLOGICAL REPORT

Gentlemen,

Following is the pertinent information concerning the above described well:

Contractor:	LoBoe Drilling Company	Pusher:	E. Neighbors
Spud:	January 6, 1990	Complete:	January 11, 1990
Surface:	301' of 8 5/8"	Long String:	None
Mud:	Mud Co Inc.	Test:	Diamond Testing
Log:	Great Guns	Elevation:	2092' K B
Geologist:	J. COPELAND LANDES		

BIT RECORD

1 7 7/8" Reed HP-52 301 - 3930

STATE OF KANSAS

APR 23 1990

CONSERVATION DIVISION
Wichita, Kansas

30-16-19W

BALCRON OIL COMPANY
2 - 30 Sprier
Rush County, Kansas

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GEOLOGICAL TOPS

<u>Formation</u>	<u>Sample</u>	<u>Electric Log</u>
ANHYDRITE	1329 (664)	1328 (665)
TOPEKA	3133 (-1040)	3134 (-1041)
HEEBNER	3434 (-1341)	3434 (-1341)
TORONTO	3452 (-1359)	3452 (-1359)
LANSING-KANSAS CITY	3476 (-1383)	3478 (-1385)
BASE KANSAS CITY	3745 (-1652)	3744 (-1651)
MARMATON	3796 (-1703)	3798 (-1705)
CONGLOMERATE	3841 (-1748)	3844 (-1751)
ARBUCKLE	3864 (-1771)	3864 (-1771)
R. T. D.	3930 (-1837)	3931 (-1838)

ZONES OF INTEREST

ARBUCKLE 3864 - 3868

Dolomite - Tan, Fine to medium crystalline, with fair crystalline
porosity, slight odor and good taste.

DRILL STEM TEST # 1 3818 - 3868

OPEN	30	IFP	24 - 30	
SHUT IN	60	ISIP	711	
OPEN	30	FFP	50 - 54	
SHUT IN	60	FSIP	668	
IHH	1890	FHH	1876	BHT: 108 Degrees

RECOVERY: 100' Oil Speckled Drilling Mud - 1% Oil, 99% Mud.

BALCRON OIL COMPANY
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ZONES OF INTEREST (Continued)

ARBUCKLE 3868 - 3872

Dolomite - Tan, Fine to medium crystalline, trace of porosity,
trace of dolomite with oil show as in previous description.

DRILL STEM TEST # 2 3817 - 3872

OPEN	30	IFP	46 - 49		
SHUT IN	60	ISIP	763		
OPEN	60	FFP	64 - 70		
SHUT IN	120	FSIP	741		
IHH	1890	FHH	1880	BHT:	115 Degrees
RECOVERY:	90' Oil Cut Mud - 5% Oil, 95% Mud.				
	60' Watery Mud - 15% Water, 85% Mud.				

CONCLUSION

This well ran structurally low to the Sprier # 1 - 30, and encountered no shows except Arbuckle. The Arbuckle tested too tight to be commercial, and the well, therefore, was plugged and abandoned.

Sincerely,


J. COPELAND LANDES