

PL

8-33-19

# BIRD ENERGY, INC.

15-033-20461

*Exploration and Consulting*

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316-227-6041

*State Geological Survey*  
WICHITA BRANCH

AUGUST 28, 1981

LEAR PETROLEUM EXPLORATION, INC.  
6401 N. W. Grand, Suite 200  
Oklahoma City, Oklahoma 73116

RE: LEAR PETRO. EXPLOR., INC.  
#4-8 Selzer  
NW NW NW Sec. 8-33S-19W,  
Comanche Co., Kansas

Gentlemen,

Following is the pertinent information in connection with the captioned well:

Contractor: Aldebaran - Rige #1	Tool Pusher: Lonnie Cline
Spud: 7-22-81	Completed: 8-2-81
Surface: 754' - 8 5/8"	Long String: 5280' - 4 1/2"
Mud: Magcobar	Gas Detector: Analytical
Logs: Dresser-Atlas	Testing: None
Elevation: 1892 KB	Drilling Time: 4100' to TD
Samples: Saved & Examined: 4100' to TD	Geologist: Louis S. Bird

BIT RECORD:

<u>Run</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>In</u>	-	<u>Out</u>
A	12 1/4"	HTC	X-3A	0	-	754
1	7 7/8"	SEC	S3J	754	-	1892
2	7 7/8"	SEC	S86F	1892	-	4401
3	7 7/8"	SEC	S88F	4401	-	5280

Following is list of Tops by Samples and by Electric Log:

<u>Formation</u>	<u>Sample Top</u>	<u>Electric Log Top</u>
HEEBNER SHALE	4180 (-2288)	4175 (-2383)
LANSING	4369 (-2477)	4360 (-2468)
STARK SHALE	4780 (-2888)	4773 (-2881)
BASE/KC	4868 (-2976)	4862 (-2970)
MARMATON	4879 (-2987)	4870 (-2978)
FT. SCOTT LS.	4998 (-3106)	4992 (-3100)
CHEROKEE SHALE	5012 (-3112)	5004 (-3104)
MISSISSIPPI	5108 (-3216)	5100 (-3208)
TOTAL DEPTH	5280 (-3388)	5208 (-3316)

LEAR PETROLEUM  
#4-8 Selzer  
Comanche County, Kansas

-2-

August 28, 1981

4-335-19W

ZONES OF INTEREST:

4999-5008	FORT SCOTT	Limestone - cream, crystalline, with chalky matrix, trace vuggy and pin-point porosity, trace free oil, bleeding gas, some fluorescence.
		Gas Readings: Chromatograph = 50 units Hot Wire = 29 units
5103-5108	MISSISSIPPI	Chert - white, yellow, gray, sharp, clean, trace vuggy porosity.
		Gas Readings: Chromatograph = 20 units Hot Wire = 7 units
5110-5120	MISSISSIPPI	Limestone - buff, crystalline, tite, trace glauconite, some fossiliferous, with free oil and staining, trace fluorescence.
5129-5120	MISSISSIPPI	Limestone - buff, crystalline, dolomitic, crystalline and vuggy porosity, free oil.
		Gas Readings: Chromatograph = 24 units Hot Wire = 11 units

CONCLUSION: Production casing was set to 5308' for completion attempt in the top 40' of Mississippi. The Ft. Scott was tested in the adjacent well (#3-8 Selzer), but should be watched closely in this area for possible economic development.

Respectfully submitted,

*Louis S. Bird*  
LOUIS S. BIRD *LSB*  
BIRD ENERGY, INC.