

P. 10-9-22W  
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MAY 13 1985  
State Geological Survey  
WICHITA BRANCH

BEACON EXPLORATION COMPANY  
SWAYZE 2-10  
SW NW SW Section 10  
T. 9 S. R. 22 W.  
Graham County, Kansas

John B. Green Jr.

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CONSERVATION DIVISION  
Wichita, Kansas

OPERATIONS

18-9-22W

OPERATOR: Beacon Exploration  
LEASE: Swayze  
WELL NUMBER: 2-10  
LOCATION: SW NW SW Section 10  
T. 9 S. R. 22 W.  
Graham County, Kansas  
OBJECTIVES: Lansing-Kansas City Group  
and Arbuckle Dolomite  
TOTAL DEPTH: 3950 feet driller  
3952 feet logger  
SPUD DATE: April 4, 1985  
COMPLETION DATE: April 8, 1985  
CONTRACTOR: Murfin Drilling Company  
Rig #15  
ELECTRIC LOGS: Welex  
Hays, Kansas  
TESTING: Cheney Testing  
Hill City, Kansas  
WELLSITE GEOLOGY: John B. Green, Jr.  
Littleton, Colorado  
STATUS: D & A

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CASING

Six joints of 8 5/8 surface casing were set at 259 feet with 57 sacks of pozmix cement.

LOGS

A Dual Induction Log was run from total depth to the base of surface casing.  
A Neutron-Density Log and Microlog were run from total depth to 3200 feet.

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DRILLING FLUID

The hole was drilled with water from surface to 3250 feet. At that point a Drispal system was established for the completion of drilling, testing, and logging.

SAMPLES

Ten foot samples were collected beginning at 3150 feet and continued until total depth. Samples were collected over 5 foot intervals over selected zones of the Lansing-Kansas City. The samples were examined at the wellsite. Sample quality was excellent.

A show of heavy oil was observed in the Oread Limestone. Weak oil shows were observed in the B, C, D, H, and I intervals of the Lansing. A good show was observed in the J.

TESTS

Two drill stem tests were performed on intervals of the Lansing-Kansas City.

The first test covered the C and D zones of the Lansing-Kansas City. The test recovered 20 feet of oil spotted watery mud. The test interval adjusted to the log depth was 3590-3627.

The second test covered the J zone and 2 feet of oil cut mud was recovered. The test interval adjusted to log depth was 3728-44.

The test data sheets are included at the back of the report.

BIT RECORD

<u>Number</u>	<u>Size</u>	<u>Make</u>	<u>Model</u>	<u>Footage</u>
1	7 7/8	Smith	DT	259-2057
2	"	Smith	F2H	2057-3233
3	"	Hughes	J22	3233-3745
4	"	Security	S86	3745-T.D.

WELL HISTORY

The Beacon Exploration Swayze 2-10 well was an offset location to the Beacon Swayze 1-10 which is productive from the Arbuckle and Lansing.

The Swayze 2-10 was spudded on April 4, 1985 and 259 feet of surface pipe was set. The hole was drilled with fresh water from surface to 3250 feet where a

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Drispal mud system was established.

The Stone Corral Anhydrite was encountered 5 feet high to the offset. The interval from the Anhydrite to the Lansing thickened so that the Lansing was 8 feet low to the offset.

Weak shows were observed in the B, C, D, H, and I zones. A good show was observed in the J zone. Oil spotted mud was produced on tests of the C and D and the J zones.

The interval from the base of the Kansas City to the Arbuckle also thickened so that the Arbuckle was encountered 41 feet low to the offset.

The well was plugged and abandoned on April 8, 1985.

FORMATION TOPS

<u>Formation</u>	<u>Well Depth</u>	<u>Sea Level</u>
Stone Corral	1824	+465
Oread	3450	-1160
Heebner	3502	-1212
Lansing	3544	-1254
Base Kansas City	3762	-1472
Arbuckle	3930	-1640

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LOG ANALYSIS

<u>Depth</u>	<u>Rt</u>	<u>Porosity</u>	<u>Sw</u>	<u>Formation</u>
3580-84	3	10	1.00	Lansing B
3598-02	3.5	14	.66	Lansing C
3706-08	15	10.5	.43	Lansing H
3740-44 Rw=.03	7	15.5	.42	Lansing J
3932-34 Rw=.15	8	20.5	.67	Arbuckle

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