

KANSAS

State Geological Survey

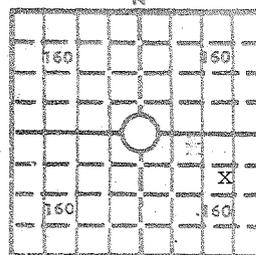
WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 - 159 - 21,130  
County Number

13 T. 18S R. 8  
SW/4 NE/4 SE/4

County Rice

640 Acres



Locate well correctly

Elev.: Gr. 1729'

DF KB 1734'

Operator  
Buckeye Energy, Inc.

Address  
226 Western United Life Bldg., Midland, Texas 79701

Well No. 13-1      Lease Name Manis

Footage Location  
1650 feet from (X) (S) line      990 feet from (E) (XX) line

Principal Contractor      Geologist  
Allen Drilling Co.      Peter G. Moreland

Start Date      Date Completed      Total Depth      P.S.T.D.  
2/20/81      2/25/81      3232'      none

Directional Deviation      Oil and/or Gas Purchaser  
P & A

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface Casing	12 1/4"	8-5/8"	20 lb.	256'	Class 'A'		3% CaCl <sub>2</sub>

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production      Producing method (flowing, pumping, gas lift, etc.)

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio

Disposition of gas (vented, used on lease or sold)      Producing interval(s)

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Driller's Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Operator

Buckeye Energy, Inc.

Well No.

13-1

Lease Name

Manis

Dry Hole

S 13 T 18S R 8 <sup>X2</sup> W

**WELL LOG**

Show all important zones of porosity and contents thereof; corad intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #1 Test Interval: 3190'-3205'</p> <p>Conglomerate</p> <p>Blow: Very weak blow, dead in 15 mins.</p> <p>IH - 1653</p> <p>ISI - 927 (30 mins.)</p> <p>IF - 0-0 (60 mins.)</p> <p>FF - 34-22 (45 mins.)</p> <p>FSI - 860 (90 mins.)</p> <p>FH - 1653</p> <p>Recovered: 5' mud</p>				
<p>DST #2 Test Interval: 3229'-3239'</p> <p>Arbuckle</p> <p>Blow: Strong blow throughout test</p> <p>IH - 1675</p> <p>ISI - 1084 (45 mins.)</p> <p>IF - 113-1017 (45 mins.)</p> <p>FF - 1073-1084 (45 mins.)</p> <p>FSI - 1084 (45 mins.)</p> <p>FH - 1675</p> <p>Recovered: 5' free oil 2510' slightly oil cut water</p>				
<p>Formation Tops:</p> <p>Heebner</p> <p>Douglas</p> <p>Lansing</p> <p>Conglomerate</p> <p>Simpson</p> <p>Arbuckle</p>	<p>2640'</p> <p>(- 906')</p> <p>2681'</p> <p>(- 947')</p> <p>2805'</p> <p>(-1071')</p> <p>3169'</p> <p>(-1435')</p> <p>3203'</p> <p>(-1469')</p> <p>3228'</p> <p>(-1494')</p>			

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

*M. C. Dwyer*

Signature

President

Title

March 25, 1981

Date