

KANSAS DRILLERS LOG

API No. 15 — 187 — 20,069
County Number

Operator

Amoco Production Company

Address

P. O. Box 432 - Liberal, Kansas 67901

Well No.

3

Lease Name

Baughman Gas Unit "A"

Footage Location

2590 feet from (N) line 1250 feet from (E) line

Principal Contractor

F.W.A. Drilling Company

Geologist

Spud Date

9-21-72

Total Depth

2708

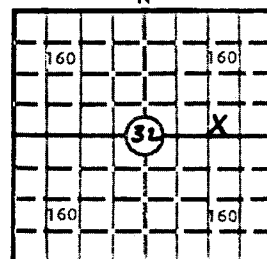
P.B.T.D.

2625

Date Completed

11-11-72

Oil Purchaser

S. 32 T. 29 R. 39 WLoc. 2590' FNLX 1250' FELCounty Stanley640 Acres
N

Locate well correctly

Elev.: Gr. 3208

DF _____ KB _____

CASING RECORD

4,300,000 CFBPD

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 | 12-1/4 | 8-5/8 | 23 | <u>621</u> | Class "H" | <u>400</u> | 3% CACL |
| Production | 7-7/8 | <u>4 1/2</u> 5 1/2 | <u>9.50</u> 14 | <u>2708</u> | Special | <u>510</u> | 18% CACL |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|--------------------|
| | | | <u>2</u> | <u>1/2</u> | <u>2637 - 2662</u> |
| | | | | | <u>2602 - 2608</u> |
| | | | | | <u>2586 - 2595</u> |

TUBING RECORD

| Size | Setting depth | Packer set at |
|------|---------------|---------------|
| | | |

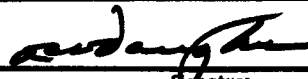
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|---|------------------------|
| <u>Acidize w/1500 Gal 15%. Squeeze w/100 Sacks Cement</u> | <u>2637 - 2662</u> |
| <u>Acidize w/2500 Gal 15%. Frac w/100,000 water and</u> | <u>2586 - 2608</u> |
| <u>100,000# Sand.</u> | |

INITIAL PRODUCTION

| | | | | | |
|--|-------|---|------------------------|---------------|------|
| Date of first production | | Producing method (flowing, pumping, gas lift, etc.) | | | |
| 11-11-72 | | Flowing | | | |
| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio | |
| | bbls. | 4,300 MCF | | bbls. | CFPB |
| Disposition of gas (vented, used on lease or sold) | | | Producing interval (s) | | |
| Waiting on pipeline connection | | | 2586 - 2608 | | |

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers 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, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

| | | | |
|---|--|--|---|
| Operator Amoco Production Company | | DESIGNATE TYPE OF COMP.: OIL DRY HOLE, SWDW, ETC.: Gas | |
| Well No. 3 | Lease Name Bughman Gas Unit "A" | | |
| S 32 T 29 R 39 W | | | |
| WELL LOG Show all important zones of porosity and contents thereof; cored 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 |
| Sand | 0 | 430 | Gamma Ray- Neutron 1206 - 2706 |
| Sand - Red Bed | 430 | 725 | |
| Sand - Shells - Shale | 725 | 1475 | |
| Sand - Anhydrite - Shale | 1475 | 2073 | |
| Shale - Lime | 2073 | 2708 | |
| | | | Log Tape CO. In. 2582 T.D. 2708 |
| | | | |
| | | | |
| | | | |
| | | | |
| Test Info: 24 Hr. SIP 250 ⁰ 20 Min. Open Flow 4.3 MMCFD | | | |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD. | | | |
| Date Received |  J. W. VAUGHN Signature Area Administrative Supervisor Title 11-15-72 Date | | |