

KANSAS

State Geological Survey

WICHITA BRANCH

S. 23 T. 35 R. 41 **XX**
W

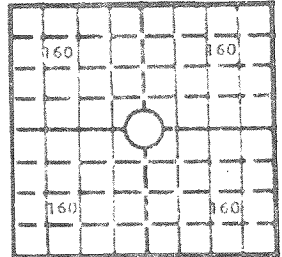
WELL COMPLETION REPORT AND
DRILLER'S LOG

API No. 15 — 023 — 20,169
County Number

Loc. C NE NW

County Cheyenne

640 Acres
N



Locate well correctly

Elev.: Gr. 3459 ft.

DF 3462 ft. KB 3464 ft.

Operator Cities Service Company

Address 209 E. William, 800 Sutton Place Bldg., Wichita, Kansas

Well No. 1 Lease Name Zweygardt "A" 67202

Footage Location 660 feet from (N) line 1980 feet from (W) line

Principal Contractor Western Well and Pump Geologist Well Site - Marvin Abbott

Spud Date 1-20-81 Date Completed 2-27-81 Total Depth 2013 ft. P.B.T.D. 1451 ft.

Directional Deviation No directional deviation Oil and/or Gas Purchaser _____

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 | 12 1/4" | 8 5/8" | 24# | 364 ft. | 50-50 Pozmix A | 300 | 2% CaCl ₂ |
| Production | 7 7/8" | 4 1/2" | 9.5# | 1482 ft. | Howco Lite 50-50 Pozmix A | 110 200 | 10% NaCl ₂ + 3/4% CFR - 2 |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
| | | | | | 1295' - 1313' |
| | | | | | 1314' - 1332' |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|---|------------------------|
| Fracture w/61,000 gals. 80 Nitrogen foam and 60,000# sand | 1295' - 1332' |
| | |
| | |

INITIAL PRODUCTION

Date of first production February 27, 1981 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS
Oil _____ bbls. Gas 67 MCF Water 0 bbls. Gas-oil ratio _____ CFPB

Disposition of gas (vented, used on lease or sold) sold Producing interval (s) 1295' - 1332'

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, 245 No. Water, Wichita, Kansas 67202. 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 | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
| Well No. 1 | Lease Name Zweygardt "A" | Gas |
| S 23 T 3S R 41 X 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 | DEPTH |
|---------------------------------------|-----|--------|------|-------|
| See Attached | | | | |

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

| | |
|---------------|---|
| Date Received |  Signature |
| | Region Operations Manager |
| | Title |
| | March 3, 1981 |
| | Date |