

KANSAS

IMPORTANT
Kans. Geo. Survey request
samples on this well.
State Geological Survey

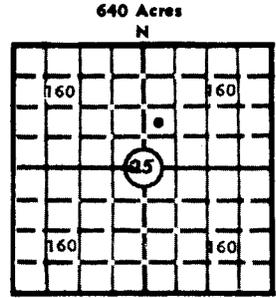
SEP
PC

**WELL COMPLETION REPORT AND
DRILLER'S LOG**

S. 25 T. 8 R. 25 ^E _W

Loc. NW SW NE

County Graham



Locate well correctly
Elev.: Gr. 2350

DF 2353 KB 2355

API No. 15 — 065 — 21,357 WICHITA BRANCH
County Number

Operator
Liberty Enterprises, Inc.

Address
308 West Mill Plainville, Kansas 67663

Well No. #1 Lease Name Waltz

Footage Location
1650 feet from (N) (3/4) line 2310 feet from (E) (3/4) line

Principal Contractor Pioneer Drilling Company, Inc. Geologist Pat Balthazor

Spud Date 1-7-81 Date Completed 1-15-81 Total Depth 3932' P.B.T.D. 3890

Directional Deviation Oil and/or Gas Purchaser
Mobil Pipe Line

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" | 28# | 260' | common | 160 | 2% gel, 3% cc |
| Production | 7 7/8" | 4 1/2" | 10.5# | 3903' | 60/40 poz | 150 | 8% salt, 4% gel |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
| | | | 1 | | 3870 |
| | | | 1 | | 3851 |
| | | | 1 | | 3834 |
| | | | 1 | | 3760 |
| | | | 1 | | 3750 |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|--|---------------------------------------|
| 500 gallon M.C.A. acid and 2000 gallon retarded acid | Limited entry perfs 3870-3851-3834 |
| 500 gallon M.C.A. acid | 3850 & 3860 Limited entry |
| 500 gallon M.C.A. acid | 3681-83 |

INITIAL PRODUCTION

Date of first production 3-26-81 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS
Oil 2 BOPD bbls. Gas MCF Water 98 BWPD bbls. Gas-oil ratio CFPB

Disposition of gas (vented, used on lease or sold) Lansing Kansas City
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 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 Liberty Enterprises, Inc | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
| Well No. #1 | Lease Name Waltz | Oil |
| S 25 T 8 R 25 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 |
|--|-----|--------|------|-------|
| Geological & Completion Reports Enclosed | | | | |

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

| | |
|---------------|--|
| Date Received |  Charles G. Comeau Signature |
| | Petroleum Geologist <small>Title</small> |
| | July 16, 1981 <small>Date</small> |
| | |

57034

25-8-25W

State Geological Survey
WICHITA BRANCH

WELL LOG

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: Waltz #1 LOCATION: NW SW NE 25-8s-25W

COUNTY: Graham STATE: Kansas

WELL COMMENCED: January 7, 1981 WELL COMPLETED: January 16, 1981

ELEVATION: 2349' G.L. TOTAL DEPTH: 3930'

PRODUCTION: Oil RIG NO: #4

CASING - 8 5/8": 250.06' 28# used 160 sxs common 3% cc 2% gel cement did circ

4 1/2" ~~xxxxx~~ tallied @ 3898.03', set @ 3903.03' of new 10.5# cemented with 150 sxs 60-40
poz 8% salt 4% gel 1/10 of 1% GDL 2 sxs gel flush plug, PD@ 11:50 A.M.

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING: 98 Jts. 1-16-81

| FROM | TO | FORMATION | DEVIATION FROM VERTICAL | REMARKS: |
|-------|-------|----------------|-------------------------|----------|
| 0' | 260' | | 260' - 1 1/4 degree | |
| 260' | 310' | shale | | |
| 310' | 1220' | sand and shale | | |
| 1220' | 1503' | sand and shale | 1503' - 2 1/2 degree | |
| 1503' | 1626' | | | |
| 1626' | 1835' | sand | | |
| 1835' | 1904' | shale | | |
| 1904' | 2075' | shale | | |
| 2075' | 2105' | Anhydrite | | |
| 2105' | 2160' | shale | | |
| 2160' | 2371' | shale | 2371' - 3/4 degree | |
| 2371' | 2654' | shale and lime | | |
| 2654' | 2954' | shale and lime | | |
| 2954' | 3160' | lime and shale | | |
| 3160' | 3320' | shale and lime | | |
| 3320' | 3459' | lime and shale | | |
| 3459' | 3502' | lime and shale | 3493' - 1/4 degree | |
| 3502' | 3720' | shale and lime | | |
| 3720' | 3768' | lime and shale | | |
| 3768' | 3817' | shale and lime | | |
| 3817' | 3835' | lime and shale | | |
| 3835' | 3857' | shale and lime | | |
| 3857' | 3924' | lime and shale | | |
| 3924' | 3930' | shale and lime | | |
| 3930' | RTD | | | |