

PL

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

KANSAS DRILLERS LOG

API No. 15 — 193 — 20,201
County Number

Operator
Abraxas Petroleum Corp.

Address
P. O. Box 17485 San Antonio, Texas

Well No. #1 Lease Name Otto Schroeder

Footage Location
990 feet from (N) ~~XX~~ line 1650 feet from (E) ~~XX~~ line

Principal Contractor Rains & Williamson Geologist Glenn Tracey

Spud Date 5-9-80 Total Depth 4757 P.B.T.D.

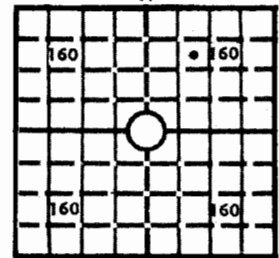
Date Completed 8-22-80 Oil Purchaser Koch Oil Company

S. 18 T. 8 R. 35 ^W

Loc. C SE NW NE

County Thomas

640 Acres
N



Locate well correctly
Elev.: Gr. 3337'

DF 3338' KB 3344'

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" | 20# | 289' | 50-50 pos. | 175 | 2% Gel 3% CaCl ₂ |
| Production | 7-7/8" | 4-1/2" | 9.5# | 4756' | 60-40 pos. | 200 | 2% Gel 18% Salt |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

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

| Size | Setting depth | Packer set at | | | |
|-------|---------------|---------------|---|-------|------------|
| 2-3/8 | 4689 | None | 4 | 0.41" | 4684-4692' |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|--|------------------------|
| Acid - 1500 gal. 15% HcL NE regular acid | 4684-92' |
| | |
| | |

INITIAL PRODUCTION

| | |
|--|--|
| Date of first production 8-22-80 | Producing method (flowing, pumping, gas lift, etc.) Pumping |
| RATE OF PRODUCTION PER 24 HOURS Oil 5 bbls. | Gas TSTM MCF Water 0 bbls. |
| Disposition of gas (vented, used on lease or sold) None | Gas-oil ratio TSTM CFPB Producing interval (s) 4684-92' (Cherokee) |

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 Abraxas Petroleum Corporation | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil |
| Well No. 1 | Lease Name Otto Schroeder | |
| S 18 T 8 R 35 ^W | | |

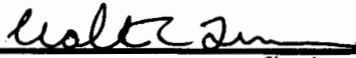
WELL LOG

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 |
|---|------|--------|-------------------|------------------|
| DST #1 - IHP 2256# IFP 55# 10 min. FFP 55# 30 min. ISIP 87# 10 min. FHP 2235# Weak blow, dead in 9 min. Dead on 2nd opening. Rec. 5' oil specked mud, | 4190 | 4213 | Lansing "B" | 4180 |
| DST #2 - IHP 2319# IFP 77# 9 min. FFP 77# 30 min. ISIP 869# 30 min. FHP 2319# Slight blow, dead in 8 min. Rec. 10' SOCM. | 4334 | 4362 | Lansing "J" & "K" | J-4344 K-4360 |
| DST #3 - IFP 87# FFP 87# 9 min. SIP 360# 30 min. Open with slight blow. Dead in 8 min. Rec. 10' slightly oil cut mud. | 4362 | 4407 | Lansing "L" | 4390 |
| DST #4 - IFP 44# FFP 44# 9 min. SIP 1285# 30 min. Slight blow. Dead in 8 min. Rec. 20' mud. | 4462 | 4525 | Marmaton | 4468 |

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

| | | |
|----------------------|---|-----------------|
| Date Received |  Signature | Walter C. Quinn |
| | Production Manager | |
| | Title | |
| | January 8, 1981 | |
| | | Date |

b98LS

DRILLER'S LOG

COMPANY: Abraxas Petroleum Corporation

WELL NAME: Otto Schroeder

RIG NO. #1

TOTAL DEPTH 4767'

ELEVATION 3344 GR

COMMENCED: 5-9-80

COMPLETED: 5-22-80

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 289' w/175 sx. 50/50 poz., 2% gel, 3% cc.

PRODUCTION: 4 1/2" @ 4756' w/200 sx. 50/50 poz., 2% cc., 18% gel,
1 3/4% of CLD.

LOG

(Figures Indicate Bottom of Formations)

| | |
|---------------------------|-------------|
| Shale | 1127 |
| Shale & Sand | 2860 |
| Shale | 3990 |
| Shale & Lime | 4080 |
| Shale | 4175 |
| Lime & Shale | 4767 |
| <u>ROTARY TOTAL DEPTH</u> | <u>4767</u> |

State Geological Survey
WICHITA BRANCH

SE. 18 T. 8S R. 35W

OC. SE NW NE

COUNTY: Thomas

STATE OF Kansas)

COUNTY OF Sedgwick)

SS: