

State Geological Survey
WICHITA, BRANCH

16-6-18W

KANSAS DRILLERS LOG

S. 16 T. 6 R. 18 ^R/_W

API No. 15 — 163 — 20,530
County Number

Loc. S2 NW SE

County Rooks

Operator
Shields Oil Producers, Inc.

Address Shields Building Russell, Kansas

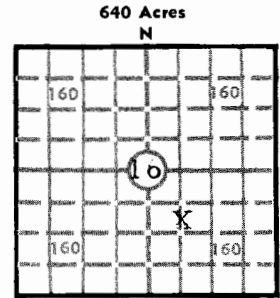
Well No. #1 Lease Name Sander

Footage Location
1650 feet from (N) line 660 feet from (E) (W) line SE/4

Principal Contractor Shields Drilling Co., Inc. Geologist M. J. Ratts

Spud Date 6-1-74 Total Depth 3280 P.B.T.D.

Date Completed 6-6-74 Oil Purchaser



Elev.: Gr. 1949

DF 1951 KB 1953

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 | 10 1/4 | 8 5/8 | | 202 | Quickset | 135 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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 | |
| | bbls. | MCF | bbls. | CFPB | |
| 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 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 Shields Oil Producers, Inc. | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
| Well No. #1 | Lease Name Sander | D & A |
| S 16 T 6 R 18 ^{EX} _W | | |

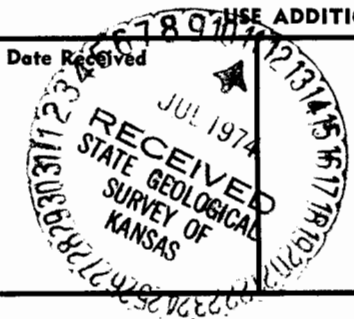
WELL LOG

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 |
|---|-----|--------|---------------|-------|
| <p>D. S. T. #1 3215-3250 Tool open one hour with a weak blow dying in seven minutes. Recovered five feet of mud.</p> <p>ISIP 44# FSIP 55# IFP 44# FFP 44#</p> | | | Anhydrite | 1429 |
| | | | Topeka Lime | 2949 |
| | | | Heebner Shale | 3154 |
| | | | Toronto Lime | 3178 |
| | | | L-Kansas City | 3198 |

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



Date Received _____

Signature _____

Production Engineer _____

Title _____

June 7, 1974 _____

Date _____

10-8-10