

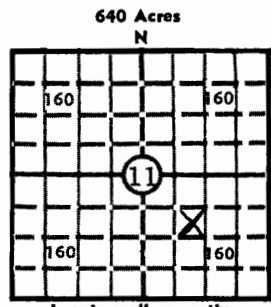
is to replace previous contractor's well log.

11-2-22w

KANSAS DRILLERS LOG
 State Geological Survey
 WICHITA, BRANCH
 API No. 15 — 137 — 20,086
 County Number

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

S. 11 T. X R. 22 W
 Loc. SE NW SE
 County Norton



Elev.: Gr. 2104
 DF 2110 KB 2112

Operator
Abercrombie Drilling, Inc.
 Address **801 Union Center**
Wichita, Kansas
 Well No. #1 Lease Name Stenger
 Footage Location
1650 feet from WN (S) line 1650 feet from (E) WN line
 Principal Contractor **Abercrombie Drilling, Inc.** Geologist **Jack K. Wharton**
 Spud Date July 1, 1973 Total Depth 3531' P.B.T.D.
 Date Completed July 10, 1973 Oil 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 Casing | 12 1/4" | 8-5/8" | 28# | 251' | Common | 175 | --- |
| Production Csg. | 7-7/8" | 4 1/2" | 9 1/2# | 3522' | 50/50 posmix Common | 25 100 | 2% gel, 8# gil/sack 5# friction reducer |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|---------------|---------------|---------------|-------------|----------------|
| | | | Open hole | | 3522-3531 |
| Size | Setting depth | Packer set at | | | |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| None | |
| | |
| | |

INITIAL PRODUCTION

Date of first production 3-18-74 Producing method (flowing, pumping, gas lift, etc.) Pumping
 RATE OF PRODUCTION PER 24 HOURS
 Oil 30 bbls. Gas MCF Water 120 bbls. Gas-oil ratio CFPB
 Disposition of gas (vented, used on lease or sold) Producing interval (s) Open Hole 3522-3531

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

Abercrombie Drilling, Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No.

1

Lease Name

Stenger

S 11 T 2S R 22 W

Oilwell

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 |
|--|------|--------|-------------|-------|
| Shale & Sand | 0 | 253 | Anhydrite | 1702 |
| Shale | 253 | 735 | B/Anhydrite | 1760 |
| Sand | 735 | 800 | Heebner | 3229 |
| Sand w/shale streaks | 800 | 1230 | Toronto | 3256 |
| Sand | 1230 | 1435 | Lansing | 3274 |
| Shale | 1435 | 1700 | B/K.C. | 3458 |
| Anhydrite | 1700 | 1729 | Gorham Sand | 3512 |
| Shale | 1729 | 2380 | Reagan Sand | 3520 |
| Lime & Shale | 2380 | 3265 | | |
| Lime | 3265 | 3510 | | |
| Sand | 3510 | 3531 | | |
| Rotary T.D. | | 3531 | | |
| <p>DST #1 (3237-65) 30" - 45" - 60" - 45". Rec. 125' watery oil cut mud (10% oil, 35% water). IFP 0-21#, IBHP 1238#, FFP 31-69#, FBHP 1217#.</p> <p>DST #2 (3264-3315) 15"-45"-60"-45". Rec. 240' slightly OCM, 300' thin OCM, and 240' water. IFP 48-126#, IBHP 1259, FFP 148-423#, FBHP 1196#.</p> <p>DST #3 (3370-3445) 15"-30"-30"-30". Rec. 60' mud. IFP 31-31#, IBHP 945#, FFP 42-42#, FBHP 799#.</p> <p>DST #4 (3514-23) 30"-30"-30"-30". Rec. 80' mud w/gal oil. IFP 63-69#, IBHP 945#, FFP 80-80#, FBHP 935#.</p> <p>DST #5 (3513-25) 15"-45"-30"-45". Rec. 80' total fluid, 20' VHOCM, and 60' OCM. IFP 31-31#, IBHP 945#, FFP 42-42#, FBHP 935#.</p> <p>DST #6 (3513-28) 30"-45"-120"-45". Rec. 940' total fluid, 280' oil cut mud, 420' gassy OCM and 240' gassy mud cut oil (10-15% water). IFP 391-402#, IBHP 997#, FFP 402-508#, FBHP 987#.</p> <p>DST #7 (3513-3531) (SLM New Total Depth) 30"-45"-120"-45". Rec. 685' total fluid, 240' GIP, 625' gassy oil (22°), 60' oil cut mud (25% water). IFP 31-73#, IBHP 977#, FFP 95-285#, FBHP 966#.</p> | | | | |

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

Date Received



Jack K. Wharton

Jack K. Wharton
Geologist

Signature

Title

March 28, 1974

Date