

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

KANSAS DRILLERS LOG

S. 28 T. 29 R. 33 ^X_W

API No. 15 — 081 — 20,183
County Number

Loc. C NW SW

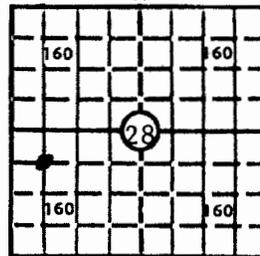
Operator
Helmerich & Payne Inc.

County HASKELL

Address
PO Box 558, Garden City, KS 67846

640 Acres
N

Well No. 4 Lease Name Elliot "I"



Locate well correctly
Elev.: Gr. 2954

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

Principal Contractor Gabbert-Jones, Inc. Geologist Joseph Blair

Spud Date 1-18-80 Total Depth 5620 P.B.T.D. 5404

Date Completed 5-6-80 Oil Purchaser Hurricane - Permian

DF 2957 KB 2959

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 | 23# | 813 | 35/65 Poz | 300 | 6% gel, 2% CaCl ₂ |
| | | | | | Class H | 150 | 3% CaCl ₂ |
| Production | 7-7/8 | 5 1/2 | 15.5# | 5436 | 50/50 Poz | 450 | 12 1/2#/sk Kolite |
| | | | | | 35/65 Poz | 500 | 2% gel, 18% salt |
| | | | | | 50/50 Poz | 150 | 6% gel, 1/4#/sk cello-take 2% gel, 18% salt |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|----------------|----------------|
| None | | | 2 | 1/2" Omega Jet | 4199-4206 |

TUBING RECORD

| Size | Setting depth | Packer set at |
|-------|---------------|---------------|
| 2-3/8 | 4247 | None |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| 1000 gals. 15% HCl acid | 4199-4206 |

INITIAL PRODUCTION

| Date of first production | Producing method (flowing, pumping, gas lift, etc.) |
|--|---|
| 4-22-80 | Pumping |
| RATE OF PRODUCTION PER 24 HOURS | Gas-oil ratio |
| Oil <u>105</u> bbls. Gas <u>----</u> MCF Water <u>45</u> bbls. | <u>CFPB</u> |
| Disposition of gas (vented, used on lease or sold) <u>Used on lease</u> | Producing interval(s) <u>Lansing B 4199-4206</u> |

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.

| | |
|----------------------------------|-----------------------|
| Well No. I #4 | Lease Name Elliott |
| S 28 T 29R 33 ^{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 |
|---|------|--------|---------------|-------|
| Lansing "A" - Limestone-Tight & Wet | 4155 | 4184 | Lansing A | 4155 |
| Lansing "B" - Limestone -Good porosity Good stain, fluoresence&Cut. | 4196 | 4295 | Lansing B | 4196 |
| Kansas City "A" -Limestone. Some porosity Good stain & cut. | 4598 | 4646 | Kansas City A | 4598 |
| Kansas City "B"-Limestone. Good porosity light stain & cut. | 4646 | 4744 | Kansas City B | 4646 |
| Marmaton-Limestone- No porosity or show | 4744 | 4776 | Marmaton | 4744 |
| Marmaton "C"-Limestone-Good porosity light stain,fluor&cut. | 4776 | 4811 | Marmaton C | 4776 |
| Morrow-Limestone, sandstone & shale some porosity & stain, fluor & cut. | 5198 | 5371 | Morrow | 5198 |
| Chester-Limestone, Tight & wet. No show | 5371 | 5448 | Chester | 5371 |
| St. Gen. -Limestone. Tight-No show | 5448 | 5523 | St. Gen. | 5448 |
| St. Louis-Limestone. Tight - No show | 5538 | 5620 | St. Louis | 5538 |

DTD-5620
LTD-5622

Ran the following logs @ T.D.
CNL-FDC
DIL

No cores taken
See additional sheet for drill stem tests.

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

| | |
|---------------|---|
| Date Received | <i>W. E. Spencer</i> Signature |
| | District Production Superintendent Title |
| | May 8, 1980 Date |