

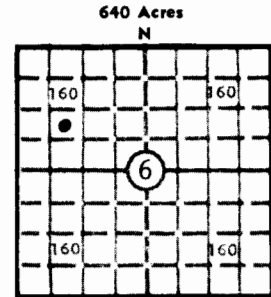
WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey

API No. 15 - 113 County - 20,885 Number WICHITA BRANCH

S. 6 T. 18S R. 3W E. W Loc. NE SW NW County McPherson

Operator: Sierra Petroleum Co., Inc. Address: P. O. Box 247, Wichita, Kansas 67202 Well No. 3 Lease Name Langren "A" Footage Location 1650 feet from (N) line 990 feet from (W) line NW/4 Principal Contractor Leavell Drilling Geologist Jack L. Yinger Spud Date 5-18-81 Date Completed 5-29-81 Total Depth 3599' P.B.T.D. Directional Deviation None Oil and/or Gas Purchaser N.C.R.A.



Locate well correctly Elev.: Gr. 1360 DF 1364 KB 1365

CASING RECORD

Report of all strings set - surface, intermediate, production, etc.

Table with 8 columns: Purpose of string, Size hole drilled, Size casing set (in O.D.), Weight lbs/ft., Setting depth, Type cement, Sacks, Type and percent additives. Rows include: To protect fresh water (17 1/2 inch hole, 13 3/8 inch casing, 208' depth, common cement, 150 sacks, 3% cal.); 12 1/4 inch hole (8 5/8 inch casing, 455' depth, common cement, 175 sacks, 3% cal., 2% gel); 5 1/2 inch casing (3598' depth, common cement, 150 sacks).

LINER RECORD

PERFORATION RECORD

Tables for LINER RECORD and TUBING RECORD. LINER RECORD columns: Top, ft., Bottom, ft., Sacks cement, Shots per ft., Size & type, Depth interval. TUBING RECORD columns: Size, Setting depth, Packer set at. Includes data for 2 inch tubing at 3495' depth.

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Table with 2 columns: Amount and kind of material used, Depth interval treated. Entry: None.

INITIAL PRODUCTION

Date of first production: June 19, 1981. Producing method: Pumping. RATE OF PRODUCTION PER 24 HOURS: Oil 25 BO bbls., Gas MCF, Water + Water bbls., Gas-oil ratio CFPB. Disposition of gas (vented, used on lease or sold) and 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

Sierra Petroleum Co., Inc.

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

Well No.

3

Lease Name

Landgren "A"

S 6 T 18S R 3W ~~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 |
|---------------------------------------|------|--------|-------------------------------|-------|
| Clay, Sand & Shale | 0 | 150 | Viola | 3450 |
| Lime & Shale | 150 | 1370 | Simpson Sand | 3512 |
| Shale & Lime | 1370 | 1950 | | |
| Lime & Shale | 1950 | 2800 | | |
| Shale | 2800 | 2900 | | |
| Lime & Shale | 2900 | 2936 | | |
| Mississippi | 2936 | 3062 | Petro-Log Radiation Guard Log | |
| Lime | 3062 | 3196 | | |
| Kinderhook | 3196 | 3240 | | |
| Lime | 3240 | 3500 | | |
| Shaley Lime | 3500 | 3527 | | |
| Simpson Sand | 3527 | 3545 | | |
| Lime | 3545 | 3590 | | |
| Rotary Total Depth | 3590 | | | |
| Log Total Depth | 3599 | | | |

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

Date Received

Jack L. Yinger
 Signature
 Jack L. Yinger, Agent
 Title

July 6, 1981

Date

160691

PT

LEAVELL DRILLING COMPANY
P.O. BOX 389
MCPHERSON, KANSAS 67460

6-18-3W

COMPANY: *State Geological Survey* Sierra Petroleum Co., Inc.
 CONTRACTOR: WICHITA BRANCH Leavell Drilling
 FARM: Landgren A #3
 LOCATION: 100' N+NE SW NW
 6-18S-3W
 COMMENCED: May 18, 1981
 COMPLETED: May 29, 1981

| | | | |
|------|----|------|--------------------|
| 0 | to | 150 | Clay, Sand & Shale |
| 150 | to | 1370 | Lime & Shale |
| 1370 | to | 1950 | Shale & Lime |
| 1950 | to | 2800 | Lime & Shale |
| 2800 | to | 2900 | Shale |
| 2900 | to | 2936 | Lime & Shale |
| 2936 | to | 3062 | Mississippi |
| 3062 | to | 3196 | Lime |
| 3196 | to | 3240 | Kinderhook |
| 3240 | to | 3500 | Lime |
| 3500 | to | 3527 | Shaley Lime |
| 3527 | to | 3545 | Simpson Sand |
| 3545 | to | 3590 | Lime |

5-18 Drilled 206 ft of 17½" hole ran 200 ft 13 3/8 surface pipe cemented with 150 sacks 3% cal. by Allied Cementing, plug down 4:45 AM
 Drilled 460 ft of 12½ hole run 451 ft 8 5/8 cemented with 150 sacks 3% cal. 2% gel, plug down 3:15 PM, Drilled 3590 ft 7 7/8 hole, run 3590 ft of pipe, pick up 1 ft from bottom, run cement shoe, cemented bottom with 150 sacks 10% salt, 10 bbl. salt flush, top with 250 sacks 50/50 posmix 4% gel, plug down by Allied Cementing at 2:45 PM May 29, 1981.

Measurements taken from K.B.

Leavell Drilling Company, Greg Leavell, Drilling Supt., does hereby certify that the above and foregoing is a true and correct copy of log on your Landgren A #3; Located 100' N+NE SW NW Sec. 6-18S-3W, McPherson County, Kansas as reflected by the files of Leavell Drilling Co.

Greg Leavell
 Greg Leavell, Drilling Supt.

Subscribed and sworn to before me, a Notary Public in and for