

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5056
name F.G. Holl
address 6427 E. Kellogg
City/State/Zip Wichita, Ks. 67207

Operator Contact Person W.J. Monk
Phone (316) 684-8481

Contractor: license # 5142
name Sterling Drilling Co.

Wellsite Geologist Don Solze
Phone (316) 264-1789

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator NA
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable

7-19-84 7-25-84 9-5-84
Spud Date Date Reached TD Completion Date

4560' 252' @ 265' KB
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from NA feet depth to w/ SX cmt

API NO. 15-047-21,190-0000

County Edwards

NW NW NW Sec 20 Twp 24 Rge 17 West

4950 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Cross Well# 2-20

Field Name Wayne, NW

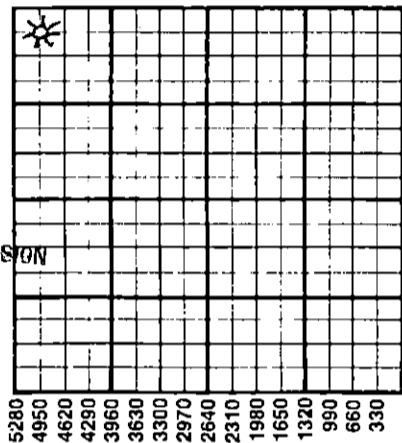
Producing Formation Cherokee Sd

Elevation: Ground 2122 KB 2131

Section Plat

1-18-85

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STATE CORPORATION COMMISSION
JAN 18 1985
CONSERVATION DIVISION
Wichita, Kansas



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Wilfred J. Monk
Title Geologist
Date 1-17-85

Subscribed and sworn to before me this 17 day of January 19 85

Notary Public MARY D. STAGLE
Date Commission Expires
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Appt. Exp. 10/30/85

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Form ACO-1
(This form supercedes
previous forms
ACO-1 & C-10)

Sec. 20 Twp. 24 Rge. 17 West

Operator Name **F.C. Holl** Lease Name **Cross** Well# **2-20 SEC 20 TWP 24 RGE 17 W** East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 4365-4428
 Tool opened w strong blow. GTS in 5", spray mud at end of first flow. Spray mud & oil during final flow.
 rcd: 220' CGO
 20' OCWM (60%mud, 20%oil, 20%water)

IFP:1089-1151#, 30"
 ISIP:1476# , 30"
 FFP: 1142-1142#, 60"
 FSIP: 1454# , 30"
 BHT: 126

| Name | Top | Bottom |
|------------------|------|--------|
| Heebner | 3781 | |
| Brown Lime | 3902 | |
| Lansing KC | 3910 | |
| Base KC | 4206 | |
| Cherokee Sh | 4346 | |
| Cherokee Sd | 4392 | |
| Conglomerate Ch. | 4408 | |
| Mississippi | 4436 | |
| Kinderhook Sh | 4464 | |
| Kinderhook Sd | 4496 | |
| Viola | 4526 | |
| RTD | 4560 | |
| LTD | 4560 | |

| CASING RECORD <input type="checkbox"/> new <input checked="" type="checkbox"/> used | | | | | | | |
|---|---|---------------------------|----------------|--|---|--------------|----------------------------|
| Report all strings set - conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of string | size hole drilled | size casing set (in O.D.) | weight lbs/ft. | setting depth | type of cement | # sacks used | type and percent additives |
| Surface | 12 1/4" | 8 5/8" | 23 | 265' | 60/40 Poz | 210 | 3 %cc |
| Production | 7 7/8" | 4 1/2" | 10.5 | 4552' | Lite-50/50 Poz | 225 | regular |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| shots per foot | specify footage of each interval perforated | | | (amount and kind of material used) | | | Depth |
| 4 | 4394-98 | | | None | | | |
| TUBING RECORD | | | | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Date of First Production | Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain) | | | | | | |
| Shut In | | | | | | | |
| Estimated Production Per 24 Hours | Oil | Gas | Water | Gas-Oil Ratio | | Gravity | |
| | Bbbs | S, I, MCF | Bbbs | CFPB | | | |

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION open hole perforation other (specify) Dually Completed. Commingled

PRODUCTION INTERVAL 4394-98