KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
**Form Must Be Typed**

# WELL COMPLETION FORM
## WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5056
Name: F.G. Holl Company, L.L.C.
Address: 6427 E. Kellogg, P.O. BOX 780167
City/State/Zip: Wichita, Kansas 67278-0167
Purchaser: NCRA
Operator Contact Person: Franklin R. Greenbaum
Phone: ( 316 ) 684-8481
Contractor: Name: Sterling Drilling Company, Rig #4
License: 5142
Wellsite Geologist: Kent Roberts

Designate Type of Completion:
X New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ____ Original Total Depth: ____
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Enhr.?) Docket No.

| 10/25/2001 | 10/31/2001 | 12/31/2001 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 047-21,457-0000
County: Edwards
C - NE - NW Sec. 13 Twp. 24 S. R. 17 ☐ East ☑ West
660 feet from S / (N) (circle one) Line of Section
1880 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: HAWLEY Well #: 12-13
Field Name: Massey
Producing Formation: Fort Riley
Elevation: Ground: 2096' Kelly Bushing: 2105'
Total Depth: 2850' Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at 275' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from
feet depth to ____ w/ ____ sx cmt.

**Drilling Fluid Management Plan**
*(Data must be collected from the Reserve Pit)*
Chloride content 30,000 ppm Fluid volume 1,000 bbls
Dewatering method used Hauled free fluids to disposal well
Location of fluid disposal if hauled offsite:
Operator Name: F.G. Holl Company, L.L.C.
Lease Name: McBurney #1-22 License No.: 5056
Quarter ____ Sec. 22 Twp. 24s S. R. 17 ☐ East ☑ West
County: Edwards Docket No.: D-24,542

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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: Franklin R. Greenbaum
Title: Exploration Manager Date: 1/24/2005
Subscribed and ~~sworn to before me this ... day of~~ 24th January, 2002,
19____.
Notary Public: My Appt. Exp. 4/05/05
Date Commission Expires: 04/05/2005

**KCC Office Use ONLY**
____ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

*Side Two*

Operator Name: F.G. Holl Company, L.L.C. Lease Name: HAWLEY Well #: 12-13

Sec. 13 Twp. 24 S. R. 17 ☐ East ☑ West County: Edwards

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

| | | |
|---|---|---|
| Drill Stem Tests Taken *(Attach Additional Sheets)* | ☑ Yes | ☐ No |
| Samples Sent to Geological Survey | ☑ Yes | ☐ No |
| Cores Taken | ☐ Yes | ☑ No |
| Electric Log Run *(Submit Copy)* | ☑ Yes | ☐ No |

List All E. Logs Run:

HDIL/3CAL/GR
ZDL/CN/ML/SL
CRA/MINILOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | | Top | Datum |
|---|---|---|---|
| Herington | 2151 ( -46) | Florence | 2365 (-260) |
| Krider | 2171 ( -66) | Wrefold | 2464 (-359) |
| Winfield | 2210 (-105) | Cott.Wood | 2631 (-526) |
| Towanda | 2279 (-174) | Neva | 2694 (-589) |
| Ft. Riley | 2328 (-223) | Red Eagle | 2764 (-659) |

CASING RECORD ☐ New ☐ 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# | 275'KB | 60/40 Poz | 225sx | 2% gel, 3% cc, 1/4# F |
| Production | | 4 1/2" | 9.5# | 2828' | 50/50 Poz | 175sx | 2% gel, 3%cc |
| | | | | | A.Serv. Lite | 50sx | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ___ Perforate<br>___ Protect Casing<br>___ Plug Back TD<br>___ Plug Off Zone | | | | |
| | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)* | Depth |
|---|---|---|---|
| | | Spotted 500 gal. 7 1/2 MSA acid across Florence | |
| 2 BSPF | 2378' - 2384', 2388' - 2392' Florence | Treat perfs. with 500 gal. 15% MCA acid | |
| 2 BSPF | 2330' - 2340' Fort Riley | Treat w/ 1000 gal. 15% MCA acid. | |
| | C.I.B.P. @ 2370', above Florence | | |
| | | | |

TUBING RECORD Size 2 3/8" Set At 2321' Packer At — Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Enhr. January 17th, 2002 Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | | 150 | --- | | |

Disposition of Gas: ☐ Vented ☐ Sold ☒ Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other *(Specify)*

Production Interval: 2330' - 2340' Ft. Riley