

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-047-20,251-0001

County Edwards

- C - NE - NW Sec. 21 Twp. 24S Rge. 16 X W

4620 Feet from S/N (circle one) Line of Section

3300 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name LUNZ 'A' Well # 2-21

Field Name Embry

Producing Formation Mississippi

Elevation: Ground 2080' KB 2089'

Total Depth 4419' PBSD 4340'

Amount of Surface Pipe Set and Cemented at 292 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from NA

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DNWO, 3-15-99 U.C.
(Data must be collected from the Reserve Pit)

All fluids used for completion were held in a steel tank and removed from the lease.
Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: 3-11-99

Operator Name F. G. Holl Company, L.L.C.

Lease Name McBurney 1-22 License No. 5056

NE Quarter Sec. 22 Twp. 24 S Rng. 17 E W

County Edwards Docket No. D-24,542

Operator: License # 5056

Name: F.G.HOLL CO., L.L.C.

Address 6427 E.Kellogg

P.O.Box 780167

City/State/Zip Wichita, KS 67278-0167

Purchaser: NCRA

Operator Contact Person: Elwyn H. Nagel

Phone (316) 684-8481

Contractor: Name: Pratt Well Service

License: 5893

Wellsite Geologist: NA

Designate Type of Completion

____ New Well ____ Re-Entry X Workover

X Oil ____ SWD ____ SLOW ____ Temp. Abd.

X Gas ____ ENHR ____ SIGW

____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: F. G. Holl

Well Name: Lunz 'A' 2-21

Comp. Date 4-18-77 Old Total Depth 4419'

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD

X Plug Back 4340' PBSD

____ Commingled Docket No. _____

____ Dual Completion Docket No. _____

____ Other (SWD or Inj?) Docket No. _____

RU 12-1-98 _____ RD 12-14-98
Spud Date Date Reached TD Completion Date

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 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 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 W. Bryce Bidleman

Title Geologist Date 3-10-99

Subscribed and sworn to before me this 10th day of March, 19 99.

Notary Public Danny Dodd

Date Commission Expires 4-2-2001

| K.C.C. OFFICE USE ONLY | | |
|-------------------------------------|------------------------------------|----------------------------------|
| F | Letter of Confidentiality Attached | |
| C | Wireline Log Received | |
| C | Geologist Report Received | |
| Distribution | | |
| <input checked="" type="checkbox"/> | KCC | <input type="checkbox"/> SWD/Rep |
| <input type="checkbox"/> | KGS | <input type="checkbox"/> Plug |
| | | <input type="checkbox"/> NGPA |
| | | <input type="checkbox"/> Other |
| | | (Specify) |

 **DANNY DODD**
Notary Public - State of Kansas
My Appt. Expires 4-2-2001

Operator Name F. G. Holl Company, L.L.C. Lease Name LUNZ 'A' Well # 2-21
 Sec. 21 Twp. 24S Rge. 16 East West
 County Edwards

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 No new Electric Logs were run for the workover.

| Name | Formation (Top), Depth and Datum | |
|------------------|----------------------------------|-------|
| | Top | Datum |
| Heebner | 3692 | -1602 |
| Brown Lime | 3827 | -1738 |
| Lansing | 3834 | -1745 |
| Base Kansas City | 4115 | -2026 |
| Cherokee Shale | 4257 | -2168 |
| Mississippi | 4278 | -2189 |
| Kinderhook Sand | 4334 | -2245 |
| Viola | 4385 | -2296 |
| RTD | 4420 | -2331 |
| LTD | 4419 | -2330 |

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 | 292' | 60/40 Poz | 225 | 2%gel, 3%cc |
| Production | 7 7/8" | 4 1/2" | 10 1/2 | 4419' | 50/50 Poz | 125 | 2%gel, 18%salt, 5#gils/sx. |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|------------------|----------------|-------------|----------------------------|
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> 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 |
|----------------|--|---|-------|
| | Set Cast Iron Bridge Plug @ 4340' | | |
| 1BSPF | 4291-4296', 4302-4307'. | Acid: 1500 gal 10% DSFE. Frac: 40,000 gal Ultravis 25 gel, 6000# 30/70 mesh, 16500# 20/40 mesh, 30000# 12/20 mesh sand. | 4307' |

| TUBING RECORD | Size | Set At | Packer At | Liner Run |
|--|---|---------|-------------|---|
| | 2 3/8" OD. | 4279' | None | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Inj. | Producing Method <input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | |
| 12-16-98 | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |
| | 6.5 | 70 | 12 | 10,770 : 1 |

Disposition of Gas: **METHOD OF COMPLETION** Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 4291-4307'
 (If vented, submit ACO-18.) Other (Specify) _____