

ORIGINAL

CONFIDENTIAL

RELEASED

NOV 9 1992

SIDE ONE

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

API NO. 15- 185-22,696-0000 FROM CONFIDENTIAL

County Stafford  
80'S of  
W2 SW SW Sec. 8 Twp. 21S Rge. 11W  East West

580' Ft. North from Southeast Corner of Section

4950' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

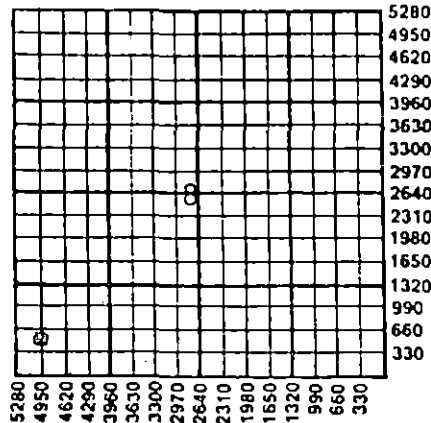
Lease Name KEELER Well # 1-8

Field Name Sandago

Producing Formation Arbuckle

Elevation: Ground 1797 KB 1806

Total Depth 3562 PBDT None



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.

Operator: License # 5056

Name: F. G. Holl Company

Address 6427 E. Kellogg

P.O. Box 780167

City/State/Zip Wichita, KS 67278-0167

Purchaser: Farmland Industries, Inc.

Operator Contact Person: Elwyn H. Nagel

Phone (316) 684-8481

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: Bryce Bidleman/Jeff

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

7/11/90 7/17/90 7/27/90

Spud Date Date Reached TD Completion Date

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

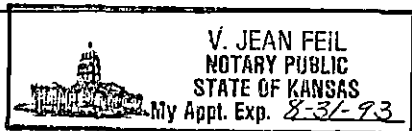
Signature Elwyn H. Nagel

Title Elwyn H. Nagel, Manager Date 10/15/90

Subscribed and sworn to before me this 15<sup>th</sup> day of October, 19 90.

Notary Public [Signature]

Date Commission Expires \_\_\_\_\_



**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)

PI

SIDE TWO

Operator Name F. G. Holl Company Lease Name KEELER Well # 1-8  
 Sec. 8 Twp. 21s Rge. 11w  East County Stafford  
 West

**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.)

Formation Description			
Name	Top	Bottom	
ANHYDRITE TOP	568 (+1238)	BROWN LIME	3130 (-1324)
ANHYDRITE BASE	588 (+1218)	LANSING	3147 (-1341)
HOWARD	2631 (- 825)	BKC	3373 (-1567)
TOPEKA	2724 (- 918)	MARMATON	3375 (-1569)
HEEBNER	3005 (-1199)	ARBUCKLE	3413 (-1607)
TORONTO	3024 (-1218)	RTD	3562 (-1756)
DOUGLAS	3036 (-1230)	LTD	3567 (-1761)

DST #1 (3151-3227) Lansing "A"- "F"  
 1) SBOB in 2 mins.  
 2) SBOB in 1", GTS in 52 mins. (No Gauge)  
 REC: 90' O&GCM (10%G, 5%O, 85%M)  
 60' OGCWM (10%G, 20%O, 60%M, 10%W)  
 180' G&OCWM (28%G, 53%O, 5%M, 15%W)  
 180' SM&WCGO (38%G, 35%O, 7%M, 20%W)  
 120' G&OCWM (25%G, 15%O, 10%M)  
 660' GCMW (7%G, 3%M, 90%W)

IHP: 1587 IFP: 152-352:30" ISIP: 974:60"  
 FHP: 1595 FFP: 414-587:60" FSIP: 916:90"  
 BHT: 109F

**CASING RECORD**  New  Used  
 1290' Total Fluid 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" (N)	23#	275'	60/40 POZ	225	2%Gel, 3%CC
Production	7 7/8"	5 1/2" (N)	14#	3551'	Lite	50	Salt, Gils.
					50/50 POZ	125	

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 SPF	3443-3451 (Arbuckle)	SWB: 12 BBLs/HR w/85%Oil	3451'

**TUBING RECORD** Size 2 3/8" Set At 3460' Packer At None Liner Run  Yes  No

Date of First Production 8/1/90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
 Estimated Production Per 24 Hours: Oil 40 Bbls. Gas None Mcf Water 30 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_  
 Production Interval: 3443-3451 (Arbuckle)  
**TIGHT HOLE**

ORIGINAL

F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 780167  
WICHITA, KS 67278-0167

CONFIDENTIAL  
RELEASED

TIGHT HOLE

NOV 09 1992

FROM CONFIDENTIAL

KEELER #1-8  
80'S of W2 SW SW  
Sec 8-21s-11w  
Stafford County, KS  
API#: 15-185-22,696

DST #2 (3379-3426) Arbuckle

- 1) SBOB in 1 min.
- 2) SBOB in 1 min.

REC: 1600' GIP  
 1210' SMCGO  
 1210' Total Fluid

IHP: 1693 IFP: 232-257:30" ISIP: 822:60"  
 FHP: 1691 FFP: 346-403:60" FSIP: 794:90"  
 BHT: 108F

DST #3 (3426-3441) Arbuckle

- 1) SBOB in 1 min.

2) SBOB, GTS in 19" Gauge: 2.11 MCFPD in 20" 1.29 MCFPD in 50"  
 1.98 " 30" 1.29 MCFPD in 60"  
 1.59 " 40"

REC: 2450 CGO

IHP: 1726 IFP: 489-640:30" ISIP: 878:60"  
 FHP: 1679 FFP: 754-828:60" FSIP: 955:90"  
 BHT: 108F

DST #4 (3441-3456) Arbuckle

- 1) SBOB

2) SBOB, GTS in 30" Gauge: 1.59 MCFPD in 40"  
 1.29 MCFPD in 50"  
 1.29 MCFPD in 60"

REC: 1140' GO (52%G, 48%O)  
 1000' GO (19%G, 81%O)  
 180' MW (15%M, 85%W)  
 2320' Total Fluid

IHP: 1782 IFP: 575-632:30" ISIP: 884:60"  
 FHP: 1637 FFP: 781-838:60" FSIP: 946:90"  
 BHT: 109F

RECEIVED  
STATE CORPORATION COMMISSION  
WICHITA, KANSAS

OCT 29 1990

CONSERVATION DIVISION  
Wichita, Kansas

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

**CONFIDENTIAL**

API NO. 15- 185-22,696-0000

**COPY**

County Stafford  
80'S of  
C - W2 - SW - SW Sec. 8 Twp. 21s Rge. 11w X <sup>E</sup>

Operator: License # 5056

Name: F. G. Holl Company

Address P.O. Box 780167

6427 E. Kellogg

City/State/Zip Wichita, KS 67278-0167

Purchaser: Farmland Industries, Inc.

Operator Contact Person: Elwyn H. Nagel

Phone ( ) (316) 684-8481

Contractor: Name: Same as Original

License: Same as Original

Wellsite Geologist: Same as Original

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSM, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: F. G. Holl Company

Well Name: KEELER #1-8

Comp. Date 10/17/91 Old Total Depth 3562'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBT  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

7/11/90 7/17/90 10/17/91  
Spud Date Date Reached TD Completion Date

580' Feet from S/X (circle one) Line of Section  
4950' Feet from E/X (circle one) Line of Section

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

Lease Name KEELER Well # 1-8

Field Name Sandago

Producing Formation Arbuckle

Elevation: Ground 1797' KB 1806'

Total Depth 3562' PBTD None

Amount of Surface Pipe Set and Cemented at 275' KB 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 cnt.

Drilling Fluid Management Plan 11-1  
(Data must be collected from the Reserve Pit)

Chloride content NA ppm Fluid volume NA bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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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.

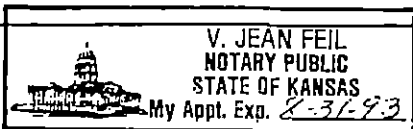
Signature Elwyn H. Nagel Date DEC 16 1991

Title Elwyn H. Nagel, Manager Date CONFIDENTIAL DIVISION

Subscribed and sworn to before me this 12<sup>th</sup> day of December, 19 91.

Notary Public V. Jean Feil

Date Commission Expires \_\_\_\_\_



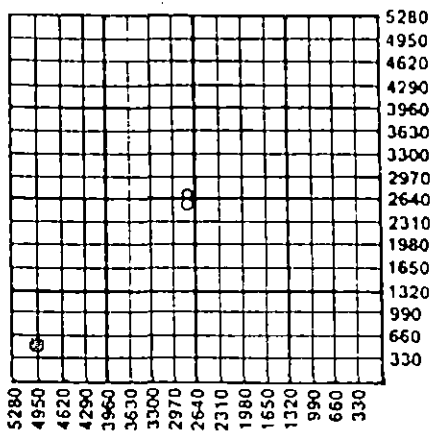
K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

SIDE ONE

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 Operator Contact Person: Elwyn H. Nagel  
 Phone (316) 684-8481  
 Contractor: Name: Sterling Drilling Company  
 License: 5142  
 Wellsite Geologist: Bryce Bidleman/Jeff Klock  
 Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)  
 If **DWNO**: old well info as follows:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
 Spud Date 7/11/90 Date Reached TD 7/17/90 Completion Date 7/27/90

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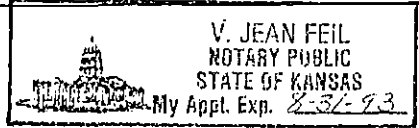


Amount of Surface Pipe Set and Cemented at 275' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
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Signature Elwyn H. Nagel  
 Title Elwyn H. Nagel, Manager Date 10/15/90  
 Subscribed and sworn to before me this 15<sup>th</sup> day of October, 1990.  
 Notary Public V. Jean Feil  
 Date Commission Expires \_\_\_\_\_



**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)