

ORIGINAL

SIDE ONE

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

Operator: License # 9324

Name: JFW, Inc.

Address RR 1 Box 26

City/State/Zip Plevna, KS 67568-9718

Purchaser: \_\_\_\_\_

Operator Contact Person: Elsie McNeme

Phone ( 316 ) 286-5318

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: \_\_\_\_\_

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

08-02-90 08-08-90

Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,695-0000

County Stafford

SE SE SW Sec. 15 Twp. 22 Rge. 12 East  
 West

330 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

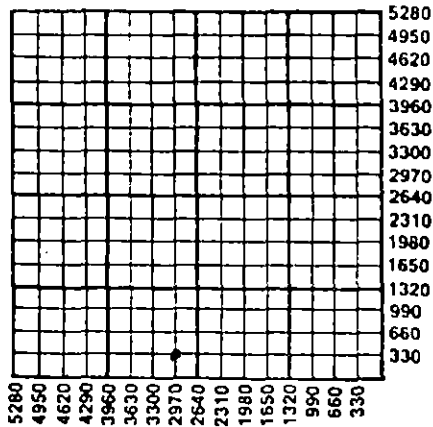
Lease Name Erich Fruehauf Well # 1

Field Name Heyen

Producing Formation \_\_\_\_\_

Elevation: Ground 1855 KB 1860

Total Depth 3730 PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 226 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.

**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 Elsie McNeme

Title Pres. Date 10-24-90

Subscribed and sworn to before me this 24 day of Oct, 19 90.

Notary Public Vivian Gobin

Date Commission Expires April 27, 1994

**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)

**NOTARY PUBLIC - State of Kansas**  
**VIVIAN GOBIN**  
My Appt. Exp. 4-27-94

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 25 1990  
10-25-90  
CONSERVATION DIVISION  
Wichita, Kansas

**SIDE TWO**

Operator Name JFW, Inc. Lease Name Erich Fruehauf Well # 1

Sec. 15 Twp. 22 Rge. 12  East  West  
 County Stafford

**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.)

DST #1 3342-3396 D & G Zone 30-30-30-30  
 IFP 80-82# weak blow ICIP 963# FFP 96-100#  
 no blow. FCIP 908# IHP/FHP 1735/1710#  
 covered 30' osm.

Formation Description		
Name	Top	Bottom
Anhydrite	636	
Topeka	2855	
Heebner	3151	
Toronto	3171	
Douglas Shale	3185	
Brown Lime	3283	
Lansing <del>3292</del>	3299	
B/KC	3530	
Viola	35559	
SimpsonSand	3615	Arbuckle 3681

*#243 attached*

CASING RECORD <input checked="" type="checkbox"/> New <input 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"	20#	226'	60/40poz	150	2%gel 3% cc.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer At					
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) Dry & Abandoned						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water 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 \_\_\_\_\_

ORIGINAL

D.S.T.#2 3426-3445 H zone 30-30-30-30  
IFP 34-36# weak blow ICIP 270#  
FFP 39-39# no blow FCIP 82#  
IHP/Fhp 1770/1749  
REcovered 20' drilling mud Temp. 106.

D.S.T.#3 3572-3628 Viola - Simpson 30-60-30-60  
IFP 521-715# strong blow ICIP 1044#  
FFP 816-907# strong blow  
FCIP 1044#  
IHP?FHP 1850/1842  
Recovers 1980' Slightly mud cut gassy saltwater, Temp. 117.

## ORIGINAL

DRILLER'S WELL LOG

DATE COMMENCED: August 2, 1990  
 DATE COMPLETED: August 8, 1990

JFW, Inc.  
 ERICH FRUEHAUF #1  
 SE SE SW  
 Sec. 15, T22S, R12W  
 Stafford County, Ks.

0 - 635' Surface Soil, Red Bed  
 635 - 658' Anhydrite  
 658 - 1417' Shale  
 1417 - 2856' Shale & Lime  
 2856 - 3153' Lime  
 3153 - 3172' Shale & Lime  
 3172 - 3186' Lime  
 3186 - 3283' Shale  
 3283 - 3396' Lime & Shale  
 3396 - 3556' Lime  
 3556 - 3613' Chert  
 3613 - 3681' Shale & Snad  
 3681 - 3730' Dolomite  
 3730' RTD

ELEVATION: 1860 K.B.

Surface Pipe: Set new  
 8-5/8", 20# pipe @226'  
 w/150 sacks 60/40 pozmix  
 2% gel 3% cc.

## A F F I D A V I T

STATE OF KANSAS  
 COUNTY OF BARTON) ss

Leonard Williamson of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

*Leonard Williamson*

Subscribed and sworn to before me this 20<sup>th</sup> day of August 1990.



*Sally R. Byers*  
 Notary Public

RECEIVED  
 STATE OF KANSAS

OCT 23 1990

COLLEEN M. DUNN  
 Wichita, Kansas