

ORIGINAL S

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11/20/89

JAN 0 8 1991

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 # Ø 3545Name: H-W OPERATING COMPANYAddress SUITE 1000, LANDMARK TOWERS, EAST3535 NW 58th. STREETCity/State/Zip OKLAHOMA CITY, OK 73112Purchaser: NONEOperator Contact Person: O. N. GOODE, JR.Phone (405) - 949-0414Contractor: Name: BRANDT DRILLING CO., INC.License: 5840Wellsite Geologist: BRENT SALGAT

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☒ Dry ☐ Other (Core, Water Supply, etc.)

If DWD: old well info as follows:

Operator: _____

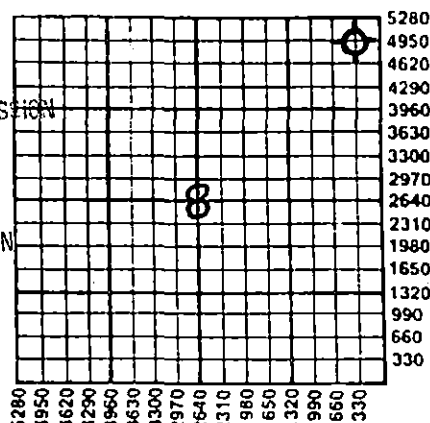
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable11/2/89 11/10/89 11/11/89

Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 173-20,838-0000 M CONFIDENTIALCounty SEDGWICKC- NE NE NE Sec. 8 Twp. 29S Rge. 1W ☒ West4950 Ft. North from Southeast Corner of Section330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name K. JAAX Well # 1-8Field Name NONE - WILDCAT WELLProducing Formation NONEElevation: Ground 1303.7 KB 1309'Total Depth 3978' PBD 9'Amount of Surface Pipe Set and Cemented at 333 FeetCONDUCTOR PIPE AT 70 FEETMultiple 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 O. N. Goode, Jr.Title ENGINEER Date 11/14/89Subscribed and sworn to before me this 14 day of November, 19 89.Notary Public John J. WilliamsDate Commission Expires January 27, 1990

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

SIDE TWO

Operator Name H-W OPERATING COMPANYLease Name K. JAAXWell # 1-BSec. 8 Twp. 29S Rge. 1W
☒ WestCounty SEDGWICK

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

☒ Log ☐ Sample

Name

Top

Bottom

(SEE ATTACHED SHEET)
FILED CONFIDENTIAL

TOTAL DEPTH IN SIMPSON

3978'

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
CONDUCTOR	17.500	13.375	61.68	70'	"A" NEAT	85	3% CaCl ₂
SURFACE	12.250	8.625	32	33.3'	PORTLAND CEMENT	215	60/40 2% GEL 3% CaCl ₂

NOTE: NO CONDUCTOR CASING WAS NEEDED. STARTED HOLE IN CONSOLIDATED MATERIAL.

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
NONE		NONE	

TUBING RECORD		Size	Set At	Packer At	Liner Run		☐ Yes ☐ No	
Date of First Production		Producing Method		☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)				
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 ACU-18.)

METHOD OF COMPLETION

☐ Open Hole ☐ Perforation ☐ Partially Completed ☐ Commingled
☒ Other (Specify) NONE

Production Interval

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~~CONFIDENTIAL~~ ATTACHMENT TO SIDE TWO ACO-1 WELL HISTORY FORM. FROM CONFIDENTIAL

API # 15-173-20,838

H-W Operating Company
K. Jaax #1-8
NE-NE-NE Sec 8-T29S-R1W, Sedgwick Co., KS

11/13/89 3,978' TD FINAL REPORT, Well Plugged.
(9' PBD) Plugging on HOWCO Ticket #835301-5.

CONFIDENTIAL LOG TOPS AS FOLLOWS:

<u>ZONE</u>	<u>DRILL DEPTH</u>	<u>SUBSEA DEPTH</u>
KANSAS CITY	2867'	- 1558'
BASE KANSAS CITY	3071'	- 1762'
MARMATON	3129'	- 1820'
FORT SCOTT	3412'	- 2103'
CHEROKEE	3429'	- 2120'
MISSISSIPPIAN	3494'	- 2185'
KINDERHOOK	3850'	- 2541
SIMPSON SAND	3910'	- 2601'
TD IN SIMPSON	3978'	- 2669'

CONFIDENTIAL DATA - PLEASE KEEP THIS INFORMATION CONFIDENTIAL
STATE CORPORATION COMMISSION

NOV 20 1989

CONSERVATION DIVISION
Wichita, Kansas

COUNTY SEDGWICK
 BLOCK
 SEC. 8
 T. 29S R. 1W
 ALTITUDE 1309 RKB
 PRODUCTION D X A

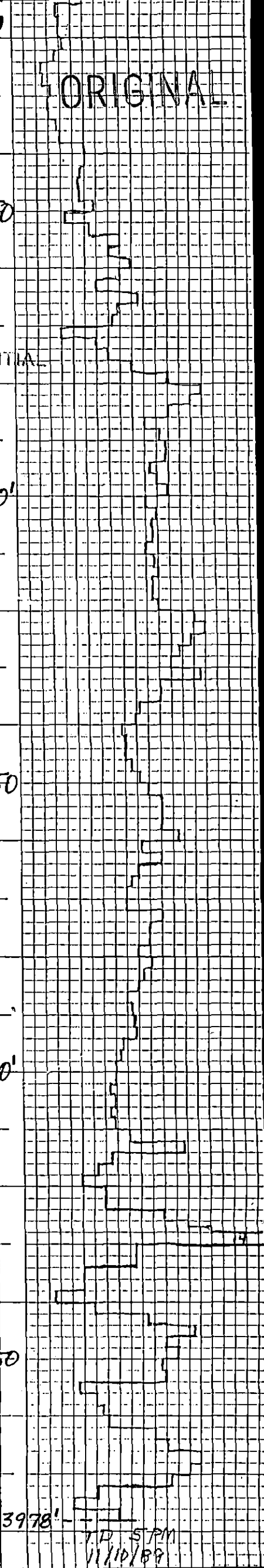
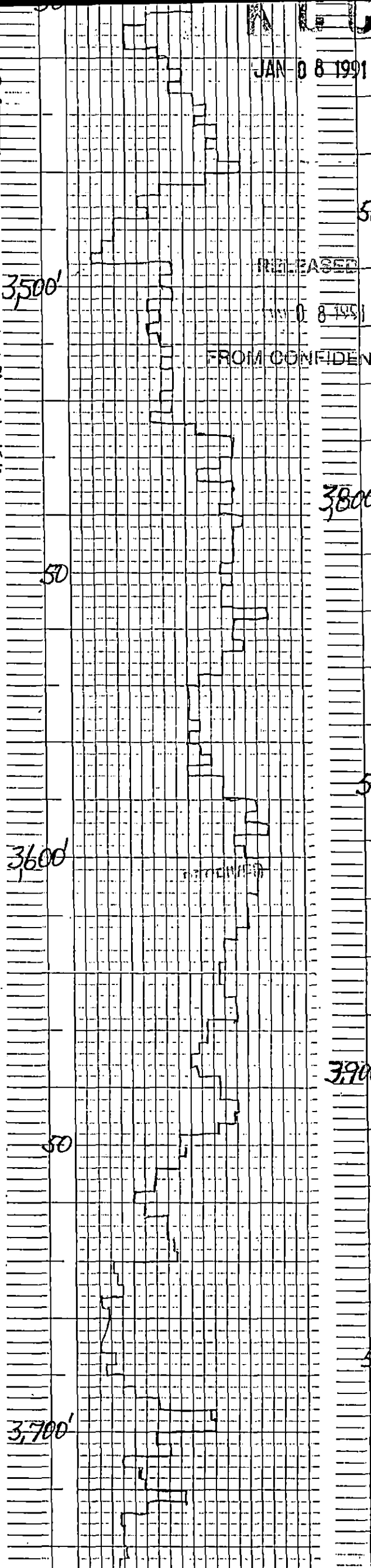
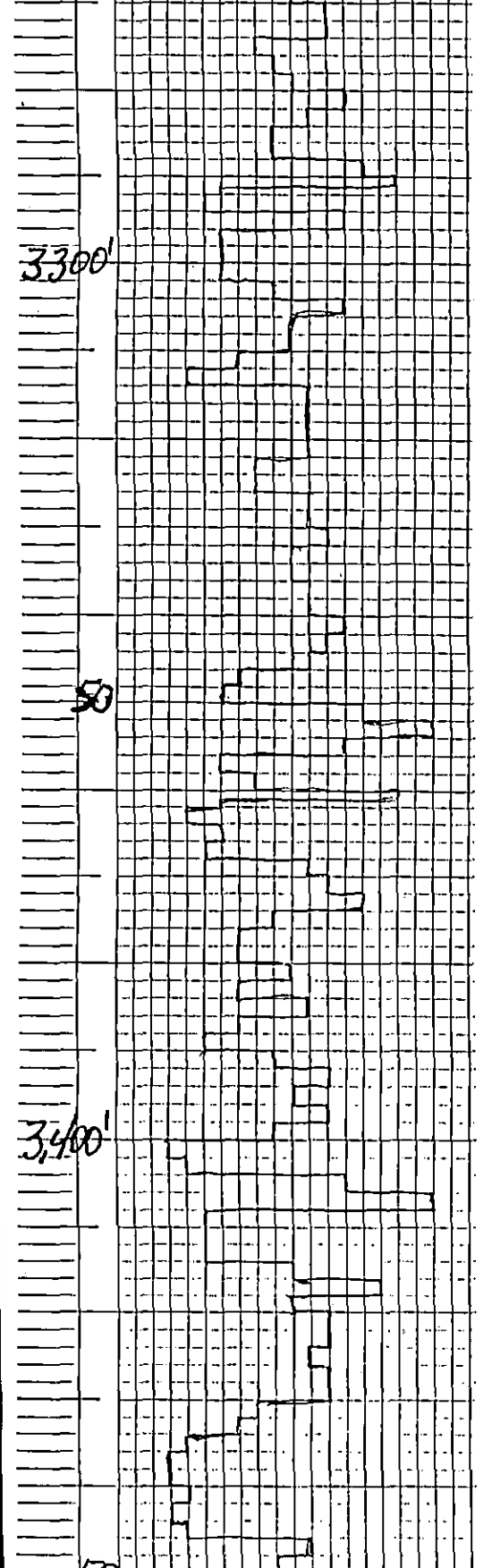
COMPANY H-W OPERATING CO.
 FARM K. JAAX
 WELL NO. 1-8
 SURVEY
CONFIDENTIAL
 NE-NE-NE
 TOTAL DEPTH 3978'
 CONTRACTOR BRANDT DRUG CO. INC.
 COMMENCED 10/27/87-11/2/89
 COMPLETED 11/11/89
 REMARKS
 1303.7 GL
 "DRILLING RATE LOG"

CASING RECORD

13 3/8" (61" 68") - 70' W/85 SACKS NEAT + 3% CaCl₂
 8 7/8" (32") - 333' W/215 SACKS 60/40 P2 + 2% GEL + 3% CaCl₂

SHOT QUARTS BETWEEN
 ME RATE SCALE: 1/10" = 1/2 MIN/FT MINUTES
 10/15/88 450 TULSA, OKLAHOMA 74101 PRINTED IN U.S.A.

TIME RATE: 1/10" SQUARES MIN/FT
 0 1 2 3 4 5 6 7 8 9 10
 (MINUTES/FT)



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FROM CONFIDENTIAL

T.D. 5 PM
 11/10/89