SIDE ONE

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

API NO. 15- 15-179-20,855-0000

County Sheridan

NE SE SE Sec. 21 Twp. 10 Rge. 26 East X West

990 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Johnson Well # 1

Field Name

Producing Formation

Elevation: Ground 2521' KB 2526'

Operator: License # 9087
Name R. & C. Drilling Co., Inc.
Address P.O. Box 296; Hays, KS 67601

City/State/Zip

Purchaser

Operator Contact Person R. L. Finney
Phone 913-625-4548

Contractor: License # Same
Name

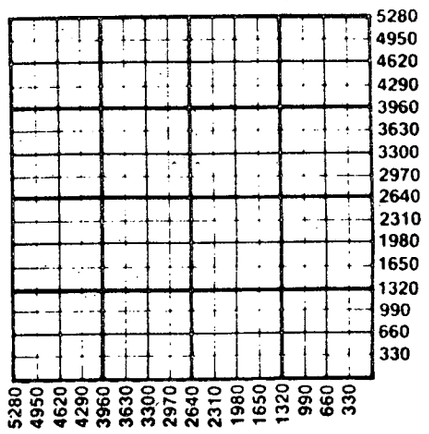
Wellsite Geologist Mark Torr
Phone 913-628-3131

Designate **Type of Completion**
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ Temp Abd
___ Gas ___ Inj ___ Delayed Comp.
X Dry ___ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

Section Plat



WELL HISTORY

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

2-3-86	2-10-86	2-11-86
Spud Date	Date Reached TD	Completion Date

4410'	
Total Depth	PBTD

Amount of Surface Pipe Set and ~~Cemented~~ at 217 feet
Multiple Stage Cementing Collar Used? ___ Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
Cement Company Name
Invoice #

WATER SUPPLY INFORMATION

Disposition of Produced Water: ___ **Disposal**
Docket # ___ **Repressuring**
Maurice Martin, RR, Quinter, KS

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

___ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge ___ East ___ West

___ Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge ___ East ___ West

___ Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 John Weis
Title Tool Pusher John Weis **Date** 2-19-86

Subscribed and sworn to before me this 19th **day of** Feb. 19 86

Notary Public Karen Randa
Karen Randa

Date Commission Expires 5-14-88

KAREN RANDA
State of Kansas
My Appt. Exp. 5-14-88

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)

Sec. 21 Twp. 10 Rge. 26 W

Form ACO-1 (7-84)

RECEIVED
STATE CORPORATION COMMISSION
FEB 20 1986
CONSERVATION DIVISION

SIDE TWO

Operator Name R. & C. Drilling Co., Inc. Lease Name Johnson Well #. 1

Sec. 21 Twp. 10 Rge. 26 ☐ East ☒ West County Sheridan

WELL LOG

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
Samples Sent to Geological Survey ☐ Yes ☒ No
Cores Taken ☐ Yes ☒ No

0' to 25' Sand
25' to 39' Post rock & Clay
39' to 2161' Sand & Shale
2161' to 2200' Anhydrite
2200' to 3660' Shale & Lime
3660' to 4410' Lime R.T.D.

DST#1 Enclosed a copy of the test

Formation Description
☐ Log ☐ Sample

Name	Top	Bottom
Anhydrite	2168	2201
Heebner Shale	3773	
Toronto	3794	
Lansing - K.C.	3808	
Base of K.C.	4040	
Pawnee	4193	
Fort Scott	4262	
Cherokee Shale	4282	
Miss	4370	
RTD	4410	
LTD	4411	

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	12¼	8 5/8	24	217	60/40	130	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 Size Set At Packer at Liner Run ☐ Yes ☐ No

Date of First Production | Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: ☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perforation ☐ Other (Specify) ....
☐ Dually Completed ☐ Commingled .....

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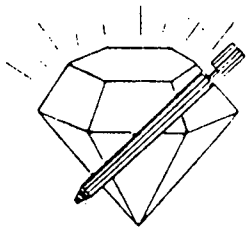

DIAMOND TESTING, INC.

P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company R & C Drilling Co., Inc. Lease and Well No. Johnson No. 1

Elevation 2526 KB Formation Lansing Effective Pay ____ Ft. Ticket No. 382

Date 2-8-86 Sec. 21 Twp. 10S Range 26W County Sheridan State Kansas

Tests Approved by Mark Torr Diamond Representative Gary A. Shook

Formation Test No. 1 Interval Tested from 3,847 Ft. to 3,860 Ft. Total Depth 3,860 Ft.

Packer Depth 3,842 Ft. Size 6 3/4 In. Packer Depth ____ Ft. Size ____ In.

Packer Depth 3,847 Ft. Size 6 3/4 In. Packer Depth ____ Ft. Size ____ In.

Depth of Selective Zone Set ____

Top Recorder Depth(Inside) 3,852 Ft. Recorder Number 13556 Cap. 4,425

Bottom Recorder Depth(Outside) 3,857 Ft. Recorder Number 13498 Cap. 5,475

Below Straddle Recorder Depth ____ Ft. Recorder Number ____ Cap. ____

Drilling Contractor R & C Drilling - No. 2

Mud Type ____ Viscosity 44

Weight 9.3 Water Loss 11.2 cc.

Chlorides 5,000 P P M.

Jars: Make -- Serial Number --

Did Well Flow No Reversed Out No

Drill Collar Length -- I.D. 2¼ In.

Weight Pipe Length -- I.D. 2½ In.

Drill Pipe Length -- I.D. 2 7/8 In.

Test Tool Length 19 Ft. Tool Size 3½-FH In.

Anchor Length 13 Ft. Size 4½-FH In.

Surface Choke Size 1 In. Bottom Choke Size 5/8 In.

Main Hole Size 7 7/8 In. Tool Joint Size 4½-FH In.

Blow: 1st Open: Weak blow. 1 3/4 in. in bucket.
2nd Open: Very weak blow decreasing.

Recovered 30 Ft. of drilling mud with dead oil in mud and on top of tool = .42 bbls.

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

Recovered ____ Ft. of ____

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STATE CORPORATION COMMISSION
FEB 20 1986
CONSERVATION DIVISION
Wichita, Kansas

Remarks Hit bridge 17 stands in hole.

Time Set Packer(s) 7:50 ~~A.M.~~ P.M. Time Started Off Bottom 10:05 ~~A.M.~~ P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1885 P.S.I.

Initial Flow Period Minutes 60 (B) 27 P.S.I. to (C) -- P.S.I.

Initial Closed In Period ____ Minutes 60 (D) 1093 P.S.I.

Final Flow Period ____ Minutes 15 (E) 27 P.S.I. to (F) -- P.S.I.

Final Closed In Period ____ Minutes -- (G) -- P.S.I.

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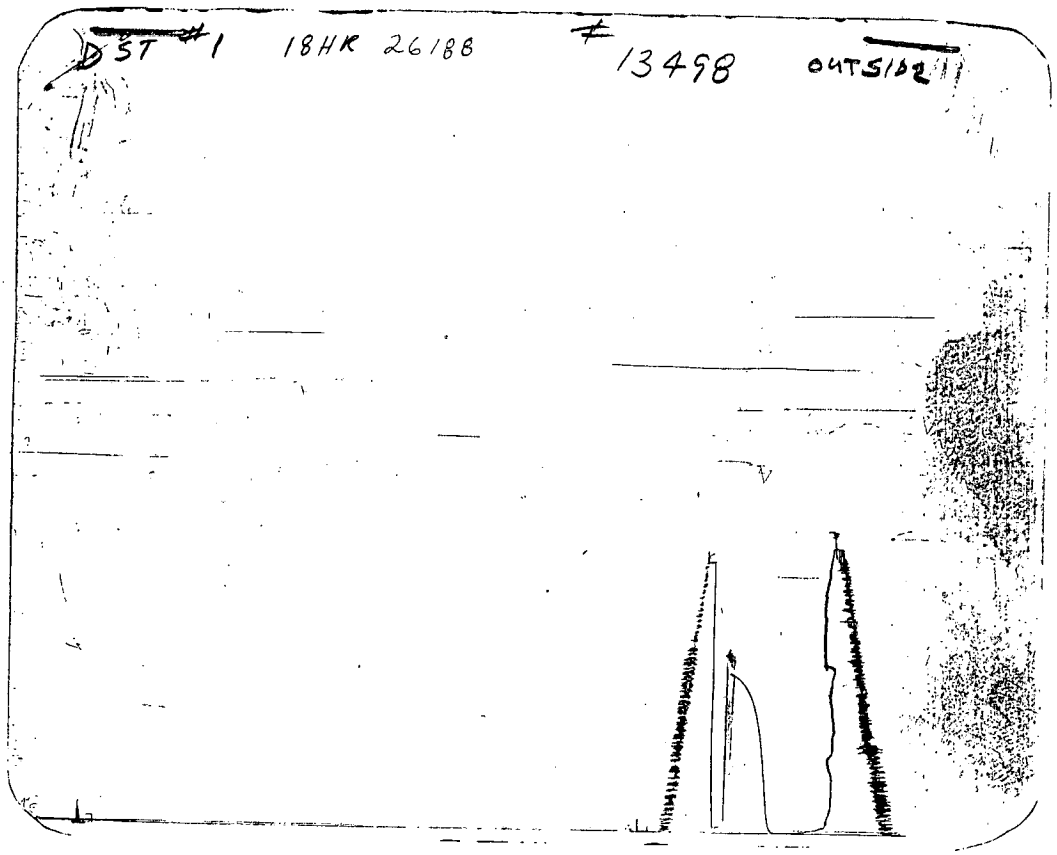

This is an actual photograph of recorder chart

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1885	2036	PSI
(B)	First Initial Flow Pressure	27	49	PSI
(C)	First Final Flow Pressure	--	16	PSI
(D)	Initial Closed-in Pressure	1093	1096	PSI
(E)	Second Initial Flow Pressure	27	49	PSI
(F)	Second Final Flow Pressure	--	41	PSI
(G)	Final Closed-in Pressure	--	--	PSI
(H)	Final Hydrostatic Mud	1872	2005	PSI