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SIDE ONE

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APR 01

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

Operator: License # 5140Name: FRONTIER OIL COMPANYAddress 125 N. Market, Ste. 1720City/State/Zip Wichita, KS 67202Purchaser: N/AOperator Contact Person: Jean AnglePhone (316) 263-1201Contractor: Name: RED TIGER DRILLING CO.License: 5302Wellsite Geologist: Dick Parker STATE CORPORATION COMMISSION

Designate Type of Completion

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

If OWMO: old well info as follows:

Operator: _____

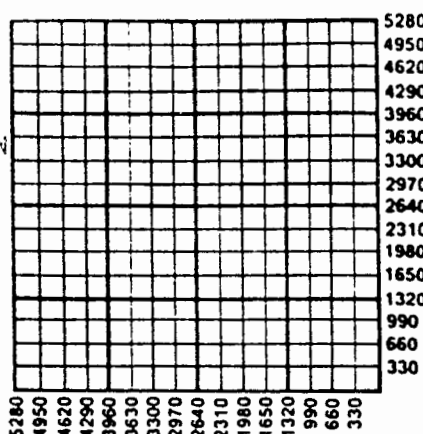
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

21-91 3-3-91 3-3-91
Spud Date Date Reached TD Completion Date

API NO. 15- 179-20,986County Sheridan **CONFIDENTIAL**SE SE NW Sec. 23 Twp. 9S Rge. 26 ☒ East West2970 Ft. North from Southeast Corner of Section2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Borger Well # 1Field Name UnknownProducing Formation N/AElevation: Ground 2639 KB 2644Total Depth 4130 PBTD N/A

AIR DRY

Amount of Surface Pipe Set and Cemented at 263 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 Jean AngleTitle Agent Date 5-1-91Subscribed and sworn to before me this 1st day of May, 19 91.Notary Public D'Ann DrennanDate Commission Expires 2-10-94

D'ANN DRENNAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. _____

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) _____

CONFIDENTIAL

68938

SIDE TWO

Operator Name FRONTIER OIL COMPANY Lease Name Borger Well # 1
 Sec. 23 Twp. 9S Rge. 26 ☐ East ☒ West
 County Sheridan

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
Anhydrite	2279	+366
Topeka	3644	-1000
Heebner	3850	-1206
Toronto	3871	-1227
Lansing-KS City	3889	-1245
Base of KS City	4118	-1473
RTD	4130	-1486

DST #1 (3848-3884)30-45-30-45. Rec. 240' M.
 IF 177-177, FF 188-144, ISIP 997, FSIP 942.
DST #2 (3902-3944)60-45-60-45. Rec. 10' O.
 910' SW, IF 77-344, FF 377-466, ISIP 710,
 FSIP 688.

cont'd.

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"	20#	263	60-40POZ	165	2%gel, 3%cc

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

N/A							

TUBING RECORD

Size Set At Packer At Liner Run ☐ Yes ☐ No

N/A

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
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Disposition of Gas: N/A

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open hole ☐ Perforation ☐ Dually Completed ☐ Commingled
 (If vented, submit ACO-18.) ☐ Other (Specify) _____

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SIDE TWO (Page Two)

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FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

OR OTHER DESCRIPTIVE

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<u>DST #3</u> (3964-3972) 60-45-60-45. Rec. 360' SW. IF 33-100, FF 133-177, ISIP 1063, FSIP 1030.				
<u>DST #4</u> (4032-4057) 30-45-30-45. Rec. 5' M. IF & FF 10-10, ISIP & FSIP 10				
<u>DST #5</u> (4052-4078) 30-45-30-45. Rec. 10' M, IF & FF 22-22, ISIP 22, FSIP 33.				
<u>DST #6</u> (4072-4100) 30-45-30-45. Rec. 10' M. IF 22-22, FF 23-33, ISIP 22, FSIP 33.				

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MAY 03 1991

CONSERVATION DIVISION
Wichita, Kansas

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CONSERVATION DIVISION
Winchell, Kansas