

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

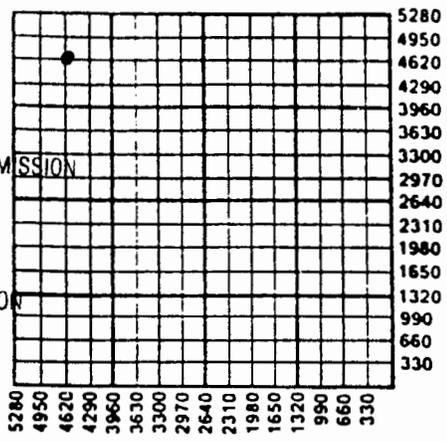
Operator: License # 5140  
Name: FRONTIER OIL COMPANY  
Address 125 N. Market, Ste. 1720  
  
City/State/Zip Wichita, KS 67202  
Purchaser: Koch Oil Company  
Operator Contact Person: Jean Angle  
Phone (316) 263-1201  
Contractor: Name: RED TIGER DRILLING COMPANY  
License: 5302  
Wellsite Geologist: Steve Parker

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

If ~~old~~ old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
5-2-90 5-20-90 6-18-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 153-20,752 FROM CONFIDENTIAL  
County Rawlins  
C NW NW Sec. 33 Twp. 1S Rge. 35  East West  
4620 ✓ Ft. North from Southeast Corner of Section  
4620 ✓ Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Reeh Well # 1  
Field Name Wildcat  
Producing Formation Lansing Kansas City  
Elevation: Ground 3234 KB 3239  
Total Depth 4445 PBD N/A

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Amount of Surface Pipe Set and Cemented at 308 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 George A. Angle  
Title Agent Date 7-2-90  
Subscribed and sworn to before me this 2nd day of July, 1990.  
Notary Public D'Ann Drennan

Date Commission Expires \_\_\_\_\_  
**D'ANN DRENNAN**  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appl. Exp. \_\_\_\_\_

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

Operator Name FRONTIER OIL COMPANY Lease Name Reeh Well # 1  
 East **CONFIDENTIAL** Rawlins  
33 Twp. 1S Rge. 35  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. Attached

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 **RELEASED**  
**AUG 21 1991**  
 Log  Sample **FROM CONFIDENTIAL**

Name	Top	Bottom
Anhydrite	3095	+144
B/Anhydrite	3135	+104
Neva	3607	-368
Wabaunsee	3722	-483
Oread	4041	-802
Heebner	4107	-868
Douglas Sand	4122	-883
Lansing-KS City	4161	-922
Base KS City	4426	-1187
RTD	4445	-1206

DST #1 (4176-4235) 60-45-60-45. Rec. 180' GIP  
 155' CGO, 90' OCWM. IF 40-83, FF 102-123,  
 ISIP 1104, FSIP 1085.  
 DST #2 (4244-4289) 60-45-60-45. Rec. 140' GIP  
 72' CO, 124' OCWM. IF 42-63, FF 94-110,  
 ISIP 1225, FSIP 1216.  
 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 1/2"	8 5/8"	20# New	308'	60-40POZ	190	2%gel, 3%cc
Production	7 7/8"	4 1/2"	10 1/2# Used	4417'	ASC	200	none

**PERFORATION RECORD**

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

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4214-4226	500 gal Mud Acid	4214-4226
4	4268-4274	500 gal Mud Acid	4268-4274
4	4274-4280	3000 gal Gel Acid	4274-4280
2	4352-4370	500 gal Mud Acid	4352-4370
		3000 gal Gel Acid	4352-4370
4	4314-4322	None	

**TUBING RECORD**

Size 2-3/8" Set At 4365 Packer At N/A

Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_  
 Estimated Production Per 24 Hours  
 Oil 160 BOPD Bbls. Gas N/A Mcf N/A Water 100 BWPD Bbls. Gas-Oil Ratio N/A Gravity 31

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  
4214-4226  
4268-4274  
4274-4280  
4314-4322  
4352-4370

SIDE TWO (Page Two)

OPERATOR FRONTIER OIL COMPANY LEASE NAME Reeh # 1 SEC. 33 TWP. 1S RGE. 35W

**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.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>DST #3 (4282-4335) 15-30-15-30. Rec. 10' M. IF 40-40, FF 48-48, ISIP 1142, FSIP 1012.</p> <p>DST #4 (4324-4375) 60-45-60-45. Rec. 120' OCM. IF 52-58, FF 74-84, ISIP 940, FSIP 203.</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">CONFIDENTIAL</p>			<p style="text-align: center; font-size: 3em; font-weight: bold;">COPY</p> <p style="text-align: center; font-weight: bold;">RELEASED</p> <p style="text-align: center;">AUG 21 1991</p> <p style="text-align: center;">FROM CONFIDENTIAL</p>	

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