

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 # 5815  
Name: C and R Drilling, Inc.  
Address 410 17th St. # 1140  
Denver, CO 80202  
City/State/Zip \_\_\_\_\_

Purchaser: none  
Operator Contact Person: Ies Olson  
Phone (303) 623-5144

Contractor: Name: Western Kansas Drilling  
License: 4083

Wellsite Geologist: Bill Robertson

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

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

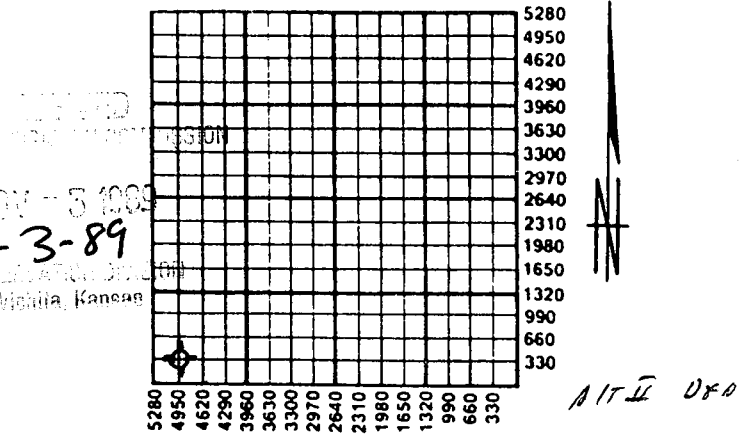
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
10/13/89 10/20/89 10/21/89  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,391-0000  
County Ness  
SW SW SW Sec. 25 Twp. 16S Rge. 23  East West

330 Ft. North from Southeast Corner of Section  
4950 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Boyle Well # 1  
Field Name Klitzke

Producing Formation \_\_\_\_\_  
Elevation: Ground 2405' KB 2410'  
Total Depth 4450' PBDT \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 374' 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 [Signature]  
Title Vice President Date 11/1/89  
Subscribed and sworn to before me this 1st day of November, 1989.  
Notary Public [Signature]  
Date Commission Expires 7/18/90

**K.C.C. OFFICE USE ONLY**

Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received

**Distribution**

KEC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

**SIDE TWO**

Operator Name C and R Drilling, Inc. Lease Name Boyle Well # 1  
 Sec. 25 Twp. 16S Rge. 23  East County Ness  
 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.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;"><b>Formation Description</b></p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td style="text-align: center;">-1390'</td> <td></td> </tr> <tr> <td>L-KC</td> <td style="text-align: center;">-1530'</td> <td></td> </tr> <tr> <td>Base KC</td> <td style="text-align: center;">-1706'</td> <td></td> </tr> <tr> <td>Pawnee</td> <td style="text-align: center;">-1807'</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td style="text-align: center;">-1899'</td> <td></td> </tr> <tr> <td>Cherokee</td> <td style="text-align: center;">-1926'</td> <td></td> </tr> <tr> <td>Mississippian</td> <td style="text-align: center;">-1997'</td> <td></td> </tr> <tr> <td>T.D.</td> <td style="text-align: center;">-2040'</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Heebner	-1390'		L-KC	-1530'		Base KC	-1706'		Pawnee	-1807'		Fort Scott	-1899'		Cherokee	-1926'		Mississippian	-1997'		T.D.	-2040'	
Name	Top	Bottom																										
Heebner	-1390'																											
L-KC	-1530'																											
Base KC	-1706'																											
Pawnee	-1807'																											
Fort Scott	-1899'																											
Cherokee	-1926'																											
Mississippian	-1997'																											
T.D.	-2040'																											

<b>CASING RECORD</b> <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	374'			
<b>PERFORATION RECORD</b>				<b>Acid, Fracture, Shot, Cement Squeeze Record</b>			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
<b>TUBING RECORD</b>				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)					
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 \_\_\_\_\_

# SWIFT FORMATION TESTERS

1309 VAN FLEET

PHONE 793-5177

GREAT BEND, KANSAS

Date October 19, 1989

Test No. 1

Company C & R Drilling

Test Ticket No. 5245 County Ness Lease Boyle Well 1

Initial Shut-In - Hr. 30 Min. Tool Open - Hr. 60 Min. Final Shut-In - Hr. 30 Min.

Interval Tested 4284 to 4360 Total Depth 4360

Blow: Weak steady thru-out test 30 Minutes Initial Flow Period

Recovery and Remarks: 30' Very slight oil cut mud

30' Gas above fluid

2% Oil - 23% Mud - 65% Water - 10% Gas

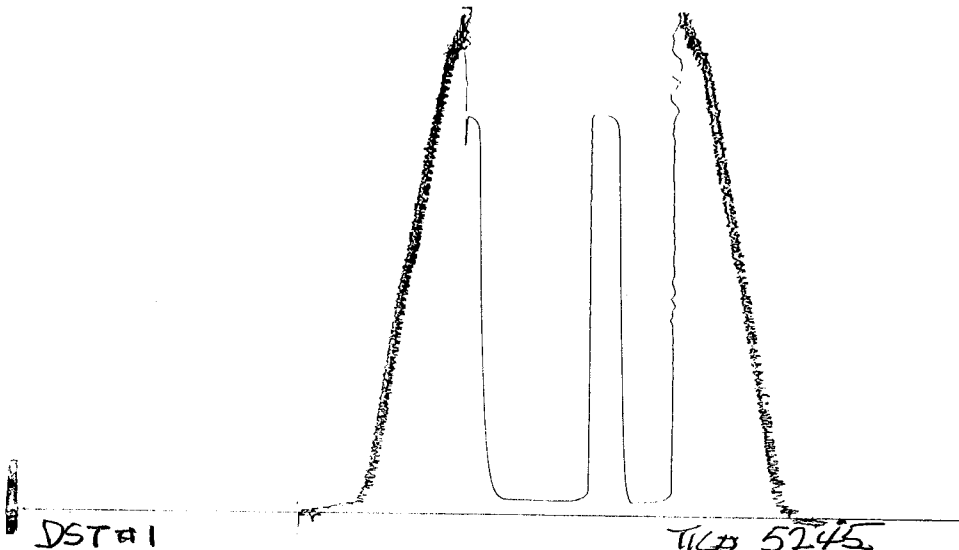
Initial BHP: 1721# Final BHP: 1704# Initial FP: 59--59# Final FP: 67-75#

Tester Nelson Call Approved By: B. G. Robertson

REGISTERED  
STATE OF KANSAS COMMISSION

NOV - 5 1989

GREAT BEND DIVISION  
GREAT BEND, KANSAS



# SWIFT FORMATION TESTERS

1309 VAN FLEET

PHONE 793-5177

GREAT BEND, KANSAS

Date October 20, 1989

Test No. 2

Company C & R Drilling

Test Ticket No. 5246 County Ness Lease Boyle Well 1

Initial Shut-In - Hr. 30 Min. Tool Open - Hr. 60 Min. Final Shut-In - Hr. 30 Min.

Interval Tested 4376 to 4409 Total Depth 4409

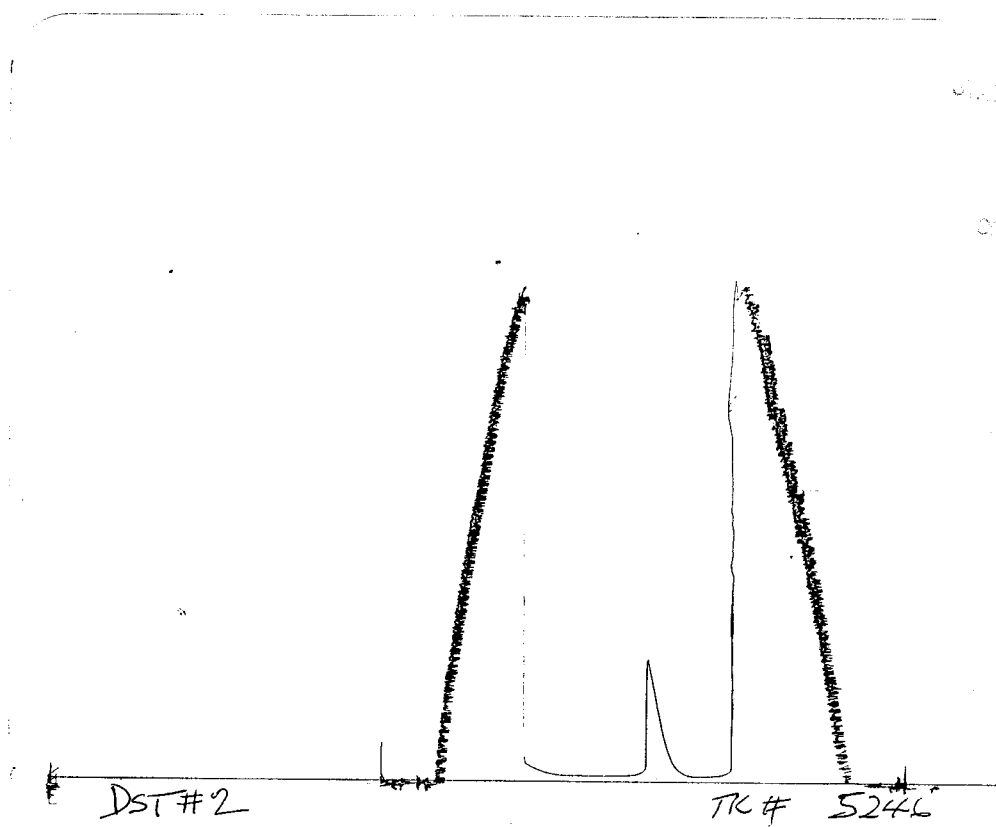
Blow: Very weak thru-out test 30 Minutes Initial Flow Period

Recovery and Remarks: 20' Drilling Mud w/some free oil on top

7% Oil - 93% Mud

Initial BHP: 513# Final BHP: 76# Initial FP: 33-33# Final FP: 33-33#

Tester Nelson Call Approved By: B. G. Robertson



REGISTERED  
GEOLOGICAL SURVEY COMMISSION  
1989 - 5 1989  
GEOLOGICAL SURVEY COMMISSION  
Great Bend, Kansas