

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

Operator: License # 30197
Name D. C. Dudley & Associates
Address 1776 Lincoln Street, Suite 904
City/State/Zip Denver, CO 80203

Purchaser.....

Operator Contact Person Tim Schowalter
Phone (303) 861-0800

Contractor: License # 5146
Name Rains & Williamson Oil Co. Inc.

Wellsite Geologist Kevin Davis
Phone (316) 265-9925

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

.9-28-89 10-6-89 10-6-89
Spud Date Date Reached TD Completion Date

.3550'
Total Depth PBTD 1,280

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

ATI D&O

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. 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 Tim T. Schowalter

Title Tim T. Schowalter, Geologist Date 12-19-89

Subscribed and sworn to before me this 19th day of December 1989

Notary Public Malvrentu

Date Commission Expires 4-13-92

API NO. 15-163-23,060-0000

County Rooks

SW. NE. SE. Sec. 29. Twp. 7S. Rge. 17. East West

1700 Ft North from Southeast Corner of Section
940 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

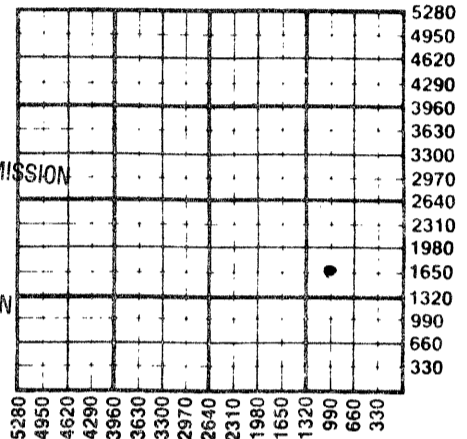
Lease Name SCHRUBEN Well # 1-29

Field Name Wildcat

Producing Formation None

Elevation: Ground 1,880 KB 1,885

Section Plat



12-21-89

RECEIVED
STATE CORPORATION COMMISSION
DEC 21 1989
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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) Farmer's Pond (purchased from city, R.W.D. #)

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)

Operator Name **D. C. Dudley & Associates** Lease Name **SCHRUBEN** Well # **1-29**

Sec **29** Twp **7S** Rge **17** East West County **Rooks**

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

Formation Description
 Log Sample

DST #1 3,370 - 3,380'
 IF = 20", ISI = 30", FF = 60"
 FSI = 120". Recovered 15' SW, 30' MW.
 Recovered water salinity 30,000 ppm.
 Mud salinity 5,500 ppm. Pressure:
 IH=1,589 IF=22-23 ISHP=906 FF=54-76
 FSIP=845 FH=1,579 Fm tested Basal
 Pennsylvanian sandstone

Core #1 3,390 - 3,414'
 cut 24', recovered 4' of red and green
 variegated. No shows. No core
 analysis.

Name	Top	Bottom
Log tops:		
<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Topeka	2,802	-917
Heebner	3,018	-1,133
Toronto	3,042	-1,157
Lansing	3,061	-1,176
Kansas City	3,130	-1,245
Base KC	3,298	-1,413
Marmaton	3,310	-1,425
Conglomerate	3,364	-1,479
Simpson	Absent	Absent
Arbuckle	3,408	-1,525
TD	3,550	-1,665

CASING RECORD <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"	24#	1282'	60-40 poz	520	2% gel, 3% co
P&A - No production		string set					
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				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
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	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

15-163-23060-00-00

Well Name & No.	SCHRUBER #1-29	Test No.	1	Date	10/4/89
Company	D.C. DUDLEY & ASSOCIATES	Zone Tested	SIMPSON		
Address	1776 LINCOLN-SWT 904 DENVER CO 80203		Elevation	1885	
Co. Rep./Geo.	MR KEVIN DAVIS	Cont.	RAINS & WILLIAMSON #11	Est. Ft. of Pay	10
Location: Sec.	29	Twp.	7S	Rge.	17W
		Co.	ROOKS	State	KANSAS

Interval Tested	3370' -3390'	Drill Pipe Size	4.5" XH		
Anchor Length	20	Top Choke - 1"			
Top Packer Depth	3365	Bottom Choke - 3/4"			
Bottom Packer Depth	3370	Hole Size - 7 7/8"			
Total Depth	3390	Rubber Size - 6 3/4"			
Wt. Pipe I.D. - 2.7		Ft. Run	0		
Drill Collar - 2.25		Ft. Run	440		
Mud Wt.	9	Viscosity	42	Filtrate	6.4
Tool Open @	3:59 AM	Initial Blow	WEAK 1/2" BLOW BUILDING TO 3"		

Final Blow VERY WEAK SURFACE BLOW BUILDING TO 3"

Recovery - Total Feet	125	Flush Tool?	
Rec.	95	Feet of	SALT WATER
Rec.	30	Feet of	MUDDY WATER - 80% WATER / 20% MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT	103	°F	Gravity		°API @	0	°F	Corrected Gravity	0	°API		
RW	.26	@	57.8	°F	Chlorides	30000	ppm	Recovery	Clorides	5500	ppm	System

(A) Initial Hydrostatic Mud	1590.2	PSI	AK1 Recorder No.	1055	Range	4050
(B) First Initial Flow Pressure	23.5	PSI	@ (depth)	3359	w/Clock No.	27501
(C) First Final Flow Pressure	35.6	PSI	AK1 Recorder No.	13277	Range	4200
(D) Initial Shut-In Pressure	910.8	PSI	@ (depth)	3384	w/Clock No.	26199
(E) Second Initial Flow Pressure	55.4	PSI	Initial Opening	20		
(F) Second Final Flow Pressure	77.8	PSI	Initial Shut-In	30		
(G) Final Shut-In Pressure	846.3	PSI	Final Flow	60		
(H) Final Hydrostatic Mud	1580.2	PSI	Final Shut-In	120		

Our Representative MR PAUL SIMPSON TOTAL PRICE \$ 500

15-163-23060-00-00

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 2175 Date 10/4/89
 Company Name D.C. Dudley & Assoc
 Lease Schroben A1-29 Test No. 1
 County Rooks Sec. 29 Twp. 7S Rng. 17W

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud 800 ML
 Water 3200 ML
 Other _____ ML
 Pressure 160 PSI
 Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5500 ppm.
 Resistivity 1.4 ohms @ 68.2 F
 Viscosity 42
 Mud Weight 9
 Filtrate 6.4
 Other _____

SAMPLER ANALYSIS

Resistivity .27 ohms @ 56.2 F
 Chlorides 31,000 ppm.
 Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity .26 ohms @ 57.8 F
 Chlorides 30,000 ppm.

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

15-163-23060-00-00
No. 2175

Well Name & No. Schrober #1-29 Test No. 1 Date 10/4/89
Company DC Dudley + Associates Zone Tested Simpson
Address 1796 Lincoln #1904 Denver Co 80203 Elevation 1885'
Co. Rep./Geo. Kevin Davis cont. Reins + Williams #11 Est. Ft. of Pay 10
Location: Sec. 29 Twp. 9S Rge. 17W Co. Rooks State Ks

Interval Tested 3370-3390 Drill Pipe Size 4 1/2 XH
Anchor Length 20 Top Choke — 1" _____
Top Packer Depth 3365 Bottom Choke — 3/4" _____
Bottom Packer Depth 3370 Hole Size — 7 7/8" _____
Total Depth 3390 Rubber Size — 6 3/4" _____
Wt. Pipe I.D. — 2.7 _____ Ft. Run _____
Drill Collar — 2.25 _____ Ft. Run 440
Mud Wt. 9 lb./gal. Viscosity 42 Filtrate 6.4
Tool Open @ 3:59 AM Initial Blow weak 1/2" blow building to 3"
Final Blow very weak surface blow building to 3"

Recovery — Total Feet 125 Flush Tool? _____
Rec. 95 Feet of salt water
Rec. 30 Feet of muddy water 80% water 20% mud
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 103 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 26 @ 57.8 °F Chlorides 30,000 ppm Recovery Chlorides 5500 ppm System
(A) Initial Hydrostatic Mud 1589 PSI AK1 Recorder No. 1055 Range 4050
(B) First Initial Flow Pressure 22 PSI @ (depth) 3389 w/Clock No. 27501
(C) First Final Flow Pressure 33 PSI AK1 Recorder No. 13277 Range #200
(D) Initial Shut-In Pressure 906 PSI @ (depth) 3384 w/Clock No. 26198
(E) Second Initial Flow Pressure 54 PSI Initial Opening 20 Test 400
(F) Second Final Flow Pressure 76 PSI Initial Shut-In 30 Jars X
(G) Final Shut-In Pressure 845 PSI Final Flow 60 Safety Joint X
(H) Final Hydrostatic Mud 1579 PSI Final Shut-In 120 Straddle _____

Approved By Paul Simpson Circ. Sub _____
Our Representative Paul Simpson Sampler 100
Extra Packer _____
Other _____
TOTAL PRICE \$ 500

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

15-163-23060-00-00

FLUID SAMPLER DATA

Ticket No. 2175 Date 10/4/89
Company Name D.C. DUDLEY & ASSOCIATES
Lease SCHRUBER #1-29 Test No. 1
County ROOKS Sec. 29 Twp. 7S Rng. 17W

SAMPLER RECOVERY

Gas 0 ML
Oil 0 ML
Mud 800 ML
Water 3200 ML
Other 0 ML
Pressure 160 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5500 ppm.
Resistivity 1.4 ohms @ 68.2 F
Viscosity 42
Mud Weight 9
Filtrate 6.4
Other _____

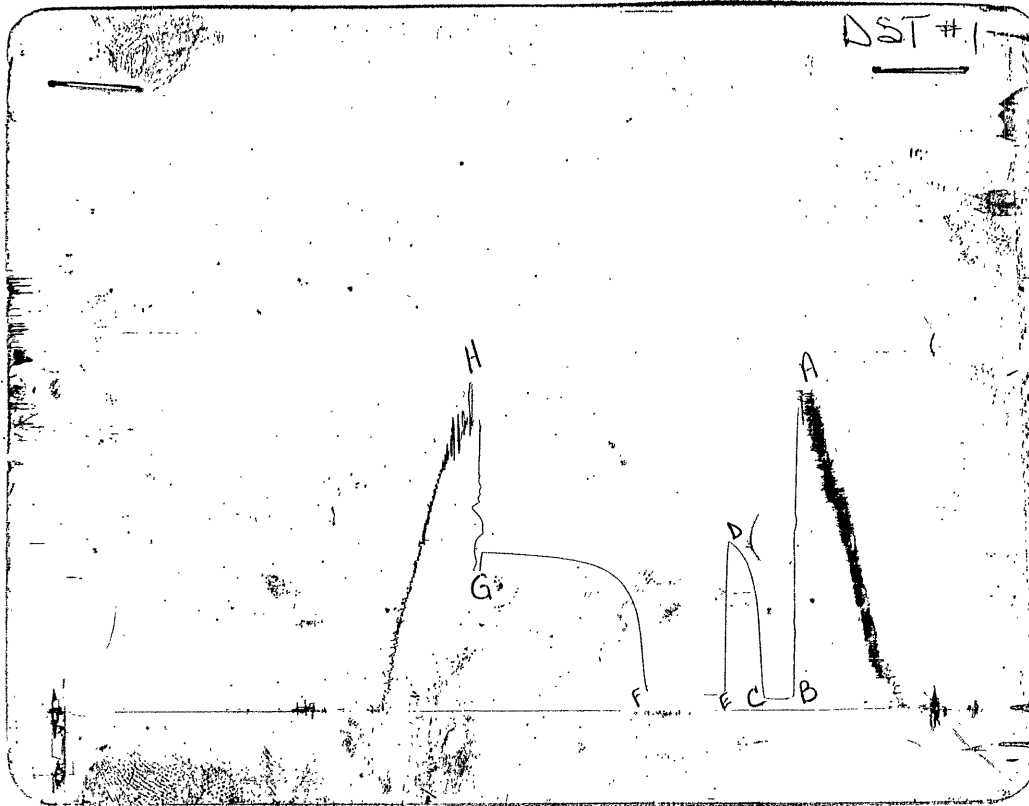
SAMPLER ANALYSIS

Resistivity .27 ohms @ 56.2 F
Chlorides 31000 ppm.
Gravity 0 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 0 ohms @ 0 F
Chlorides 0 ppm.
MIDDLE
Resistivity 0 ohms @ 0 F
Chlorides 0 ppm.
BOTTOM
Resistivity .26 ohms @ 57.8 F
Chlorides 30000 ppm.

15-163-23060-00-00



This is an actual photograph of recorder chart.

PRESSURE

POINT	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1589	1590.2	PSI
(B) First Initial Flow Pressure.....	22	23.5	PSI
(C) First Final Flow Pressure.....	33	35.6	PSI
(D) Initial Closed-in Pressure.....	906	910.8	PSI
(E) Second Initial Flow Pressure.....	54	55.4	PSI
(F) Second Final Flow Pressure.....	76	77.8	PSI
(G) Final Closed-in Pressure.....	845	846.3	PSI
(H) Final Hydrostatic Mud.....	1579	1580.2	PSI