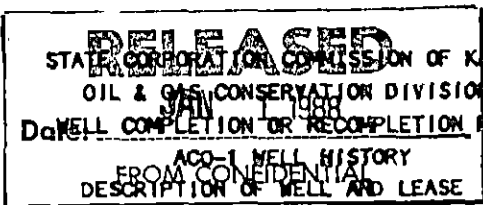


12/5/87



STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
DATE: JAN 1 1988
ACO-1 WELL HISTORY
FROM CONFIDENTIAL
DESCRIPTION OF WELL AND LEASE

Operator: License # 5146
Name Rains & Williamson Oil Co., Inc.
Address 435 Page Court, 220 W. Douglas
Wichita, KS 67202
City/State/Zip

Purchaser

Operator Contact Person Juanita Green
Phone 265-9686

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

Wellsite Geologist
Phone

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11-8-86 11-19-86 11-20-86
Spud Date Date Reached TD Completion Date
4230'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 342' 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 #

API NO. 15-191-21,951-00-00
County Sumner
SW SE NW Sec. 24 Twp. 30S Rge. 3W East West
2970 Ft North from Southeast Corner of Section
3030 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

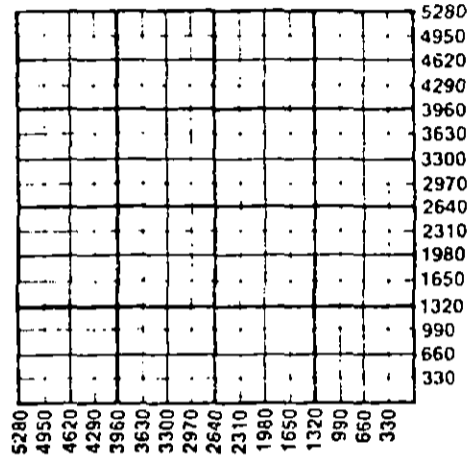
Lease Name Harrington Well # 1

Field Name

Producing Formation

Elevation: Ground 1327 KB 1336

Section Plat



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) (purchased from city, R.W.D. #)

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 by 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 Wilson Rains
Title President Date 11-24-86

Subscribed and sworn to before me this 24 day of November 1986
Notary Public Juanita M. Green

Date Commission Expires 10-4-87



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

Sec 24 Twp 30 Rge 3W

Operator Name Rains & Williamson Oil Co., Inc. Lease Name Harrington Well # 1

Sec. 24 Twp. 30S Rge. 3W East West County Sumner

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

Name	Top	Bottom
Iatan	2822	(-1486)
Kansas City	3130	(-1794)
Cherokee Sh.	3560	(-2224)
Burgess Sd.	3756	(-2420)
Miss. Chert	3762	(-2426)
Miss. Dol.	3775	(-2439)
Kinderhook	4118	(-2782)
Simpson Sd.	4185	(-2849)
LTD	4237	(-2901)

DST #1 - 3754-3762, 30 (30) 30 (30).
 Rec. 5' mud. FP's 42-42, 42-42.
 IBHP 85, FBHP 74.

DST #2 - 3762-3772, 30 (30) 60 (60).
 Rec. 90' GCM w/SO. FP's 74-74, 117-95.
 IBHP 181, FBHP 669.

DST #3 - 3767-3787, 30 (30) 60 (60).
 Rec. 90' mud w/few oil spots. FP's 63-63, 95-106. IBHP 1192, FBHP 1338.

DST #4 - 4159-4179, 30 (30) 30 (30).
 Rec. 2' mud. FP's 31-31, 31-31.
 IBHP 95, FBHP 95.

DST #5 - 4169-4189, 30 (30) 30 (30).
 Rec. 65' WM. FP's 63-63, 74-74.
 IBHP 1349, FBHP 1328.

RELEASED

JAN 13 1988

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used				FROM CONFIDENTIAL			
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"	23#	342'	60/40 port	225	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				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	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

DRILLER'S LOG

COMPANY: Rains & Williamson Oil Co., Inc.

SEC. 24 T. 30S R. 3W

WELL NAME: Harrington #1

LOC. SW SE NW

COUNTY: Sumner

RIG NO. #3

TOTAL DEPTH 4230'

ELEVATION 1327 GL 1336 KB

COMMENCED: 11-8-86

COMPLETED: 11-20-86

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 342' w/225 sx. 60/40 poz., 3% cc.

PRODUCTION: D&A

LOG

(Figures Indicate Bottom of Formations)

Shale & Shells	360
Shale	3045
Shale & Lime	3215
Lime & Shale	3310
Lime	3600
Lime & Shale	3750
Lime	4230
<u>ROTARY TOTAL DEPTH</u>	<u>4230</u>

RELEASED

JAN 15 1988

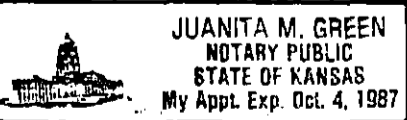
FROM CONFIDENTIAL

DEC 8

STATE OF Kansas)
COUNTY OF Sedgwick)

SS:

I, Wilson Rains, President of Rains & Williamson Oil Co., Inc.
upon oath state that the above and foregoing is a true and correct copy of the log of the
Harrington #1 well.



Wilson Rains
Wilson Rains

Subscribed and sworn to before me this 24 day of November, 1986.

My Appointment Expires:
10-4-87

Juanita M. Green
Juanita M. Green