

SIDE ONE

CONFIDENTIAL

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

ORIGINAL
RELEASED
MAY 20 1992

API NO. 15- 151-21,966 -60-60
Pratt
SE SW SE Sec. 20 Twp. 29S Rge. 12
CONFIDENTIAL

APR 27 1992

Operator: License # 5056
Name: F. G. Holl Company
Address: 6427 E. Kellogg
P.O. Box 780167
City/State/Zip Wichita, Ks. 67278-0167
Purchaser: Republic
Operator Contact Person: Elwyn H. Nagel
Phone (316) 684-8481

Contractor: Name: Sterling Drilling Company
License: 5142
Wellsite Geologist: Steve Frankamp

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

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

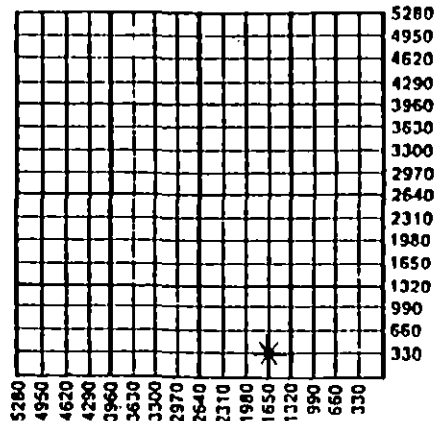
Drilling Method:
 Mud Rotary Air Rotary Cable
12-27-89 1-5-90 1-31-90
Spud Date Date Reached TD Completion Date

330 Ft. North from Southeast Corner of Section
1630.1 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lessee Name Wray Well # 1
Field Name Wildcat
Producing Formation Viola
Elevation: Ground 1901 KB 1913
Total Depth 4759 PBD 4694

CONSERVATION DIVISION
Wichita, Kansas

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MT I
8-07-90

Amount of Surface Pipe Set and Cemented at 371' 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 Elwyn H. Nagel
Title Elwyn H. Nagel, Manager Date 4-27-90
Subscribed and sworn to before me this 27th day of April, 1990.
Notary Public V. Jean Feil
Date Commission Expires _____

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)

V. JEAN FEIL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-31-93

Form ACO-1 (7-89)
ORIGINAL

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SIDE TWO

Operator Name F, G, Holl Company Lease Name Wray Well # 1

Sec. 20 Twp. 29 Rge. 12 East West
County Pratt

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.)

See attached page

Formation Description
 Log Sample
Name Top Bottom
See attached page

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"	24#	371'	60/40 poz	225	2%gel, 3%cc
Production		4 1/2"	10 1/2#	4735'	Lite	125	
					60/40 poz	150	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF		Perforate for squeeze job.	4490'
4 SPF	4501-4508 Viola	Cement retainer set at +/-	4460'
		Acidized w/1000 gal. 15% DSF	

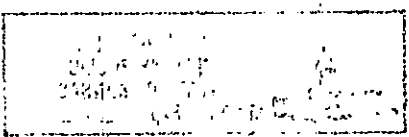
TUBING RECORD Size 2 3/8" Set At Packer At Liner Run Yes No

Date of First Production 4-10-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		150			

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: Open Hole Perforation Dually Completed Conningled
Production Interval: 4501-4508

ORIGINAL



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WRAY #1
SE SW SE
Sec. 20-29S-12W
Pratt County, Kansas

DRILL STEM TESTS

LOG TOPS

DST #1 (2802'-2840') Indian Cave
30-45-30-45, Weak blow-died, Rec. 2' mud
IFP 81 ISIP 81
FFP 81 FSIP 81

Onaga Sh. 2819' (- 906'
Indian Cave Absent
Topeka 3349' (-1436'
Heebner 3715' (-1802'
Douglas Sh. 3756' (-1843'
Douglas Snd. 3771' (-1858'
Br. Lime 3892' (-1979'
Lansing 3906' (-1993'
Stark Sh. 4187' (-2274'
Miss. Chert 4365' (-2452'
Miss. Lime 4375' (-2462'
Kinderhook 4418' (-2505'
Viola 4498' (-2585'
Simpson Snd. 4608' (-2695'
Arbuckle 4722' (-2809'
RTD 4759' (-2846'
LTD 4761' (-2848'

DST #2 (3750'-3782') Douglas Sand
30-45-60-45, Strong blow, Rec. 60' oil
specked gsy mud, 180' o & g cut wtry mud
(20% oil, 15% wtr, chlorides 15,000)
IFP 104-101 ISIP 963
FFP 152-152 FSIP 1054

DST #3 (4333'-4350') Upper Miss. Chert
30-45-60-45, Strong blow throughout test,
Rec. 700' gip, 30' gcm
IFP 71-71 ISIP 599
FFP 71-71 FSIP 589

DST #4 (4366'-4375') "
30-45-60-45, Weak blow throughout, Rec.
30' drlg mud w/few specks oil on tool
IFP 50-50 ISIP 50
FFP 50-50 FSIP 50

DST #5 (4496'-4510') Viola
30-45-60-45, GTS 1"
Rec. 20' so&gcm (5% oil)
1st open 5" gauged 1,626 MCFGPD
10" " 1,760 "
20" " 1,760 "
30" " 1,760 "
2nd open 5" gauged 1,559 MCFGPD
10" " 1,694 "
20" " 1,626 "
30" " 1,559 "
40" " 1,490 "
50" " 1,420 "
60" " 1,420 "

DST #6 (4510'-4520')
30-45-30-45, Rec. 40' mud
IFP 60-60 ISIP 60
FFP 60-60 FSIP 60

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FROM CONFIDENTIAL