

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 # 9668
name Imperial Oil and Gas, Inc.
address 720 Fourth Financial Center
City/State/Zip Wichita, KS 67202

Operator Contact Person Barbara Waitt
Phone 316/263-5205

Contractor: license # 5302
name Red Tiger Drilling Company

Wellsite Geologist Peter J. Stubbs
Phone 316/267-9428

PURCHASER.. Permian Oil Corporation

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

4/9/84 4/20/84 6/8/84
Spud Date Date Reached TD Completion Date

4654
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 400 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

API NO. 15 - 097-21,014-0000

County Kiowa

C SE SE SE Sec 22 Twp 27S Rge 16 East
(location) X West

330 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

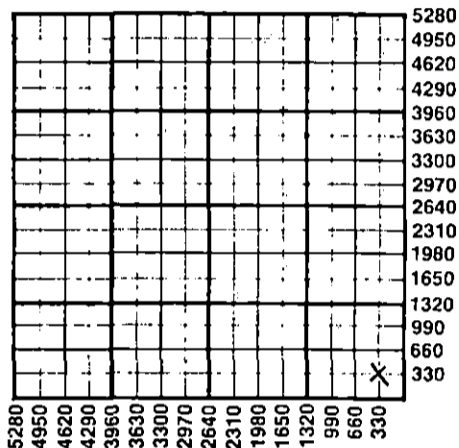
Lease Name HARPER Well# 5-22

Field Name FRUIT, N.E.

Producing Formation Kinderhook Sandstone

Elevation: Ground 2088 KB 2093

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T84-197

Groundwater 380 FSL Ft North From Southeast Corner and
(Well) 280 FEL Ft. West From Southeast Corner of
Sec 22 Twp 27S Rge 16 East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West

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

Disposition of Produced Water: Disposal Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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 Robert G. G...
Title Vice President
Date 7/24/84

Subscribed and sworn to before me this 24th day of July 1984

Notary Public Barbara A. Waitt
Date Commission Expires

RECEIVED
STATE CORPORATION COMMISSION
JUL 26 1984
CONSERVATION DIVISION
Wichita, Kansas

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)

BARBARA A. WAITT
NOTARY PUBLIC
STATE OF KANSAS
APPT. EXPIRES 8-3-87

Sec 22 Twp 27S Rge 16

SIDE TWO

Operator Name Imperial Oil & Gas, Inc. Lease Name HARPER Well# 5 SEC 22 TWP 27S RGE 16 East West

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: 4546-4576 (Cherokee Sandstone) 45-90-45-90
 IF 30-30 ISIP 61
 FF 30-30 FSIP 51
 Recovered 10' drilling mud.

DST #2: 4560-4618 Misrun-Packer failure

DST #3: 4546-4618 (Mississippian) 60-120-90-120
 IF 71-92 ISIP 952
 FF 92-92 FSIP 1198
 Recovered 90' slightly gas cut mud. Strong blow both opens. Gas to surface too small to measure.

DST #4: 4638-4654 (Kinderhook Sandstone) 60-120-90-120
 IF 71-51 ISIP 747
 FF 51-82 FSIP 481
 Recovered 120' slightly oil cut mud.

Name	Top	Bottom
Heebner Shale	3908	(-1815)
Brn. Limestone	4066	(-1973)
Lansing	4082	(-1989)
Base Kansas City	4417	(-2324)
Marmaton	4431	(-2338)
Cherokee Shale	4547	(-2454)
Cherokee Sandstone	4562	(-2469)
Mississippi	4578	(-2485)
Kinderhook Shale	4627	(-2534)
Kinderhook Chert	4636	(-2543)
Kinderhook Sandstone	4646	(-2553)

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"	23#	400'	Lite	200	3% cc.
					Common	150	3% cc., 2% gal
Production		4 1/2"	10.5#	4648.5'	Lite	75	
					50-50 Poz	125	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	4585'-4605'	500 Gal. 15% FE Acid	4654

TUBING RECORD

size set at packer at Liner Run Yes 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 Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented open hole perforation
 sold other (specify) _____
 used on lease

Dually Completed.
 Commingled

BARBARA A. ARABAS
 NOTARY PUBLIC
 STATE OF KANSAS