

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 # 5064
Name Sierra Petroleum Company, Inc.
Address P. O. Box 247
City/State/Zip Wichita, Kansas 67201

Purchaser Cities Service Oil Company

Operator Contact Person Jack L. Yinger
Phone 316-264-8394

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Kris Kennedy
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 OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

1/17/86 1/23/86 2/12/86
Spud Date Date Reached TD Completion Date

3,450' 3400'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 251 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. 15-163-22,863-0000

County Rooks
W/2 of SW/4 NE/4 SE/4 Sec. 2 Twp. 9S Rge. 17W East West

1650 Ft North from Southeast Corner of Section
1130 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

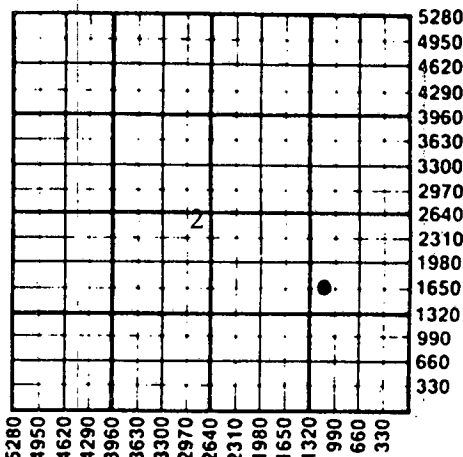
Lease Name Howat Well # 4

Field Name Westhusin

Producing Formation Toronto and Lansing

Elevation: Ground 1992' KB 1997'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # C-69,109 C-9437

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 650 Ft North from Southeast Corner (Stream pond etc) 1500 Ft West from Southeast Corner Sec 35 Twp 8S Rge 17 East West

Normand Hrabe, Stockton, Kansas 67669
 Other (explain).....
(purchased from city, R.W.D. #)

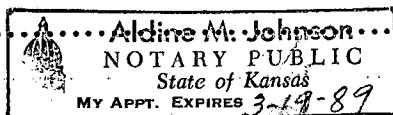
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held 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 Jack L. Yinger
Title Jack L. Yinger, Vice President Date 2/17/86

Subscribed and sworn to before me this 17th day of February 1986
Notary Public Aldine M. Johnson

Date Commission Expires Aldine M. Johnson



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

2/19/86 RECEIVED
STATE CORPORATION COMMISSION
FEB 19 1986
CONSERVATION DIVISION

Operator Name Sierra Petroleum Company, Inc. Lease Name Howat Well # 4

Sec. 2 Twp. 9S Rge. 17W 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

Name	Top	Bottom
Anhydrite	1264	(+ 733)
Topeka	2882	(- 885)
Heebner	3098	(- 1101)
Toronto	3119	(- 1122)
Lansing	3139	(- 1142)
BKC	3378	(- 1381)
Arbuckle	3431	(- 1434)
RTD	3450	
LTD	3452	

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"	23#	258'	Common	170	2% Gel 3% CC
Production	7 7/8"	5 1/2"	14#	3,449'	Common	175	10% Salt
DV tool set at 1291.21' cemented with 350 sacks					Common	350	6% Gel

PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
Shots Per Foot	Specify Footage of Each Interval Perforated				
.2/foot	3119 - 3348' OA		21,900 gallons 28% mud acid		
			OA perforations		

TUBING RECORD	Size 2-3/8"	Set At 3395'	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First Production	Producing Method
Feb. 20, 1986	<input type="checkbox"/> Flowing <input checked="" 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
Est. 25 BOPD			50% Water		
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: Vented Sold Used on Lease

Open Hole Perforation Other (Specify)
 Dually Completed Commingled

Production Interval
 3119 - 3348' OA

3801-01 837



15-163-22863-0000

SIERRA PETROLEUM CO., INC.

P. O. BOX 247

WICHITA, KANSAS 67201

(316) 262-5403

March 24, 1986

State Corporation Commission
Oil and Gas Conservation Division
200 Colorado Derby Building
Wichita, Kansas 67202

Attention: Oil Productivity Tests

Re: Howat #4
Section 2-9S-17W
Rooks County, Kansas

Gentlemen:

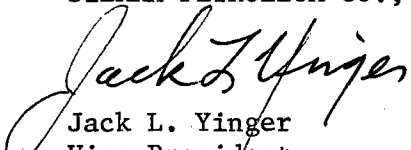
We have today received a copy of the productivity test on the Howat #4.

This is to advise you that the correct perforations on this well are in the Toronto and Lansing from 3119 to 3348' OA. The productivity test lists the perforations from 3119 to 3451'.

We enclose herewith a copy of the ACO-1, Well Completion Form, for this well.

Yours very truly,

SIERRA PETROLEUM CO., INC.


Jack L. Yinger
Vice President

JLY:aj

encl.

cc: Red Clark, Russell, Kansas Office

RECEIVED
STATE CORPORATION COMMISSION

MAR 25 1986

CONSERVATION DIVISION
Wichita, Kansas

3/25/86