SIDE ONE

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 # 5435
Name Bowers Drilling Co., Inc.
Address 125 No. Market, Suite 1425
City/State/Zip Wichita, Kansas 67202

Purchaser Williams Natural Gas Co.
Tulsa, Oklahoma

Operator Contact Person Emil E. Bowers
Phone (316) 262-6449

Contractor: License # 5435
Name Bowers Drilling Co., Inc.

Wellsite Geologist Robert E. McCann
Phone (316) 262-9697

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ Temp Abd
X Gas ___ Inj ___ Delayed Comp.
___ Dry ___ Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

8/10/65 Spud Date | 8/21/65 Date Reached TD | 9/10/65 Completion Date

4621 Total Depth | 4620 PBTD

Amount of Surface Pipe Set and Cemented at 278 feet
Multiple Stage Cementing Collar Used? ___ Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 0 feet depth to 278 w/ 250 SX cmt
Cement Company Name Halliburton
Invoice #

API NO. 15- N/A

County Barber

Approx 100' S
C SW Sec 19 Twp 33S Rge 11 ___ East X West

1220 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

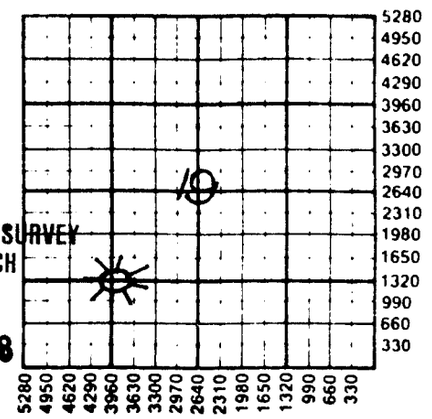
Lease Name Gilmore-Chapin Well # 2

Field Name Rhodes

Producing Formation Mississippi

Elevation: Ground 1433 KB 1440

Section Plat



KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
APR 27 1988

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 # N/A

___ 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 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 Emil E. Bowers
Title President Date 4/14/88

Subscribed and sworn to before me this 18th day of April 19 88
Notary Public Judy C. Ridder
Date Commission Expires JUDY C. RIDDER STATE NOTARY PUBLIC SEDGWICK COUNTY, KANSAS MY APPT. EXP. 3/2/92

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)

Sec. 19 Twp. 33 Rge. 11 (E)

Form ACO-1 (5-86)

SIDE TWO

Operator Name Bowers Drilling Co., Inc. Lease Name Gilmore-Chapin Well # 3

Sec. 19 Twp. 33S Rge. 11 ☐ East ☒ West County Barber

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

DST #1 - 4552-66 60-30
Recovered 675' gas, 105' SOGCM.
IBHP 693 FBHP 421
IFP 31 FFP 42

Formation Description ☒ Log ☐ Sample

Name	Top	Bottom
Elgin Zone	3444	(-2004)
Heebner	3660	(-2220)
Douglas Shale	3694	(-2254)
Lansing	3817	(-2377)
Mississippi	4492	(-3052)

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"		278'	Common	250	
Production	7 7/8"	4 1/2"		4620'	Cpommon	175	

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4554-68	Acidized w/ 1000 gal	4559-68
		Frac w/ 30,000 gal treated water, 15,000# sand	
		Frac 2/100,000 gal treated water, 30,000# sand	4554-57

TUBING RECORD Size 2 3/8" Set At 4550' Packer at Liner Run ☐ Yes ☒ No

Date of First Production: January, 1966

Producing Method: ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	30 Bbls	40 MCF	4 Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: ☐ Vented ☒ Sold ☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify) .....

☐ Dually Completed
☐ Commingled

Production Interval
4554-57
4559-68
.....

19-33-11W

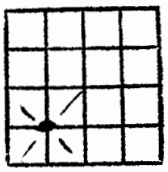
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- BOWERS DRLG., INC.
Farm- Gilmore-Chapin No. 2

SEC. 19 T. 33 R. 11W
App. 100' South of SW/4

Total Depth. 4621
Comm. 8-10-65 Comp. 8-21-65
Shot or Treated.
Contractor. Bowers Drlg.
Issued. 12-18-65

County Barber KANSAS



Elevation. 1440 KB

Production. 2450 MCFGPD

CASING:

8 5/8" @ 278' w/250 sx.
4½" @ 4620' w/175 sx.

Figures Indicate Bottom of Formations.

redbed	290
redbed, shale & shells	1015
shale & shells	1855
lime	1995
lime & shale	2130
lime	2290
lime & shale	3990
lime	4090
lime & sale	4182
lime	4500
lime & chert	4566
lime	4621
Total Depth	

TOPS: Log

Elgin Zone	3444
Heebner	3660
Douglas Shale	3694
Lansing	3817
Mississippian	4492