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 # 5039
name Attica Gas Venture
address 123 North Main
City/State/Zip Attica, KS 67009

Operator Contact Person Carl Durr
Phone 316-254-7222

Contractor: license # 5842
name Gabbert-Jones

Wellsite Geologist Eldon Scherling
Phone 316-267-0042
PURCHASER Cities Service

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

APR 30 1985
State Geological Survey
WICHITA BRANCH

RECEIVED
STATE CORPORATION COMMISSION
APR 29 1985
CONSERVATION DIVISION
Wichita, Kansas

API NO. 15 - 007-21,081

County Harper

SW SE NE Sec 19 Twp 31 Rge 8 East West
(location)

2970 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

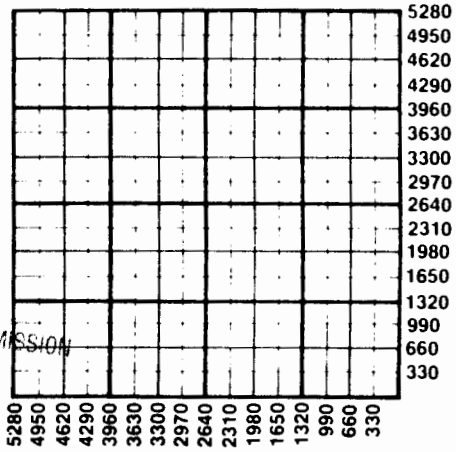
Lease Name Sanders **Well#** 4

Field Name Spivey Grabs

Producing Formation Mississippi

Elevation: Ground 1611 KB 1616

Section Plat



WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

3-15-85	3/23/85	4/22/85
Spud Date	Date Reached TD	Completion Date

4461	4424
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 264 feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

☐ Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☒ Surface Water 1320 Ft North From Southeast Corner and
(Stream, Pond etc.) 3630 Ft West From Southeast Corner
Sec Twp Rge ☐ East ☐ West

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

TUBING RECORD size 2 3/8" set at 4414 packer at None — Liner Run ☐ Yes ☒ No

Date of First Production	Producing method ☒ flowing ☐ pumping ☐ gas lift ☐ Other (explain)				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production -4 Hours	5 Bbls	150 MCF	5 Bbls	300/1 CFPB	31

Disposition of gas: ☐ vented ☒ sold ☐ used on lease

METHOD OF COMPLETION
☐ open hole ☒ perforation
☐ other (specify)
☐ Dually Completed.

PRODUCTION INTERVAL
4390 to 4394
4 feet - 8 holes

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.

261307

SIDE TWO

Operator Name ... Attica Gas Venture ... Lease Name ... Sanders ... Well# ... 4 ... SEC ... 19 ... TWP ... 31 ... RGE ... 8 ... ☐ 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

DST #1 4391-4410 30-60-70-93

IHP 2303 PSI
IFP 142/153 PSI
ICIP 1250 PSI
FFP 162/163 PSI
FCIP 1229 PSI
FHP 2244 PSI
BHT 122°F

Preflow GTS in 3 min.
5" 177 MCFPD
10" 189
15" 222
20" 243
25" 248
30" 248

V.O. -

5" 260 MCFPD 40" 237 MCFPD
10" 270 MCFPD 45" 231 MCFPD
15" 279 MCFPD 50" 231 MCFPD
20" 270 MCFPD 55" 231 MCFPD
25" 260 MCFPD 60' 231 MCFPD
30" 248 MCFPD 65" 231 MCFPD
35" 248 MCFPD 70 231 MCFPD

Recovered

5' OCM (2% O;98%M)
60' OGCM (10%O;10%G;80%M)
60' OGCWM (20%O;5%G;40%W;35%M)
60' OGCMW (10%O;10%G;20%W;60%M)
60' OCW (20%O;70%W;10%M)
CL 62,000 PPM

DST # 4401 -4411 30-60-70-93

IHP 2274 PSI
IFP 93/103 PSI
ICIP 1083 PSI
FFD 125/153 PSI
FCIP 1115 PSI
FHP 2202 PSI
BHT 122°F

Recovered
30' OGCM (10%G;20%O;70%M)
60' OGCM (50%G;30%O;20%M)
60' OGCM (50%G;30%O;10%M;10%W)
60' OCW (2%O;98%W)
60' Salt Water CL 96,000 PPM

Pre flow - strong blow throughout
V.O. GTS in 8 mins.
10" 10.9 MCFPD
20" 14.1 MCFPD
30" 8.8 MCFPD
40" 14.1 MCFPD
50" 14.1 MCFPD
60" 10.9 MCFPD

Formation Description ☒ Log ☐ Sample

Name	Top	sub-sea datum Bottom
Heebner	3416	-1800
Iatan	3641	-2025
Stalnaker Sand	3644	-2028
KC	3917	-2301
Swope	4073	-2457
Hertha	4102	-2486
Mississippian	4388	-2772
RTD	4461	-2845
LTD	4461	-2845

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	12¼	8 5/8"	23	264	Class "A"	200	2% Gel 3% CaCl
Production	7 7/8"	5½"	14	4459	Class "A"	150	2% Gel 3% CaCl

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	4390 to 4394	Perforation fluid 10 bbl 10% acidic acid	4390-94
		500 Gal 15% HCl + iron sequestrants	4390-94