

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

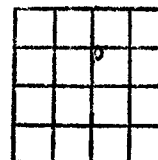
1-31-9W

Company- CITIES SERVICE OIL COMPANY
Farm- Conrardy "B" No. 4

SEC. 1 T. 31 R. 9W
NW SW NE

Total Depth. 4530 RTD PBTB 4511'
Comm. 2-25-59 Comp. 3-15-59
Shot or Treated. 250 gals. mud acid 3-24-59
Contractor. Barbour Drlg. Co.
Issued. 5-30-59

County Harper
KANSAS



CASING:

8 5/8" @ 402' w/275 sx.
5 1/2" @ 4528' w/150 sx.

Elevation. 1680' (1677 Gr.)

Production. 216 BOPD & 5 BW

Figures indicate Bottom of Formations.

clay	40
sand	105
red bed & shale	1135
shale & shells	1565
shale & lime	1880
lime	1990
lime & shale	2380
shale & lime	2405
shale	2790
lime & shale	3165
lime	3230
lime & shale	3665
lime	4415
chert	4495
cherty lime	4530 RTD
Total Depth	

Plugged Back Total Depth 4511'
S.L.M. Total Depth 4528'

TOPS:

Huebner	3444
Dodge	3457
Douglas	3479
Lansing	3657
Base/Kansas City	4193
Mississippi	4396
Miss. Lime (Scout)	4507

Penetration 132'

Drilled cement to 4511' S.L.M.

23 shots 4474-78.
47 shots 4464-72.

3-24-59 - 250 gals. mud acid; frac
with 2500# sand and 2500 gals. acid
frac fluid.

This record made up 12/85 for use in filing NGPA application.
No prior state record exists.

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 # 5447
Name Cities Service Oil & Gas Corp.
Address 3545 N.W. 58th Street
City/State/Zip Okla. City, Okla. 73112

Purchaser: Oil: Texaco, Inc.
Gas: Kansas Power & Light

Operator Contact Person Raymond Hui
Phone (405) 949-4400

Contractor: License # n.a.
Name Barbour Drilling Co.

Wellsite Geologist: N.A.
Phone:

Designate Type of Completion Old well - n.a.

☐ 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

2-25-59 3-15-59 4-4-59
Spud Date Date Reached TD Completion Date
4528' 4511'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 402' 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- n.a.

County: Harper

C.N.W.S.W.N.E. Sec. 1 Twp. 31 S Rge. 9 ☐ East ☒ West

3630 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

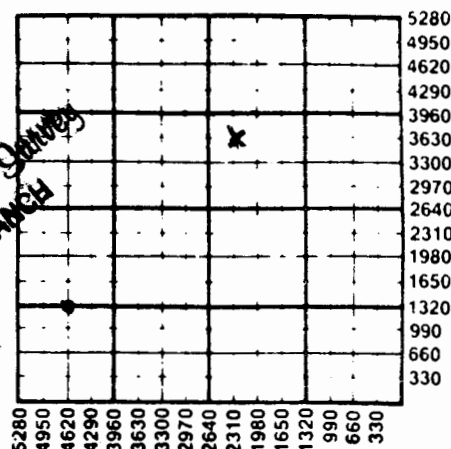
Lease Name: Conrardy B Well # 4

Field Name: Spivey - Grabs

Producing Formation: Mississippi

Elevation: Ground 1677' KB 1680'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # Gravity piped to ☐ Repressuring
Rice Engr. Co. Spivey SWD System

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 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 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.

SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Conrardy B Well # 4

Sec....1..... Twp...31.... Rge....2..... ☐ East ☒ West County..... Harper

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
Clay	0	40
Sand	40	105
Redbed & Shale	105	1135
Shale & Shells	1135	1565
Shale & Lime	1565	1880
Lime	1880	1990
Lime & Shale	1990	2405
Shale	2405	2700
Lime & Shale	2790	3165
Lime, Lime & Shale	3165	3665
Lime	3665	4415
Chert	4415	4495
Cherty Lime	4495	4530

I.P. 4-4-59: 216 BO, 5 BW, 96 MCFG
 Estimated Production Per 24 hours
 Oil Gas Water Gas-Oil Ratio Gravity
 BO, 5 BW, 96 MCFG
 October 1985:
 1.9 Bbls 36 MCF 3 Bbls CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas. ☐ Vented ☐ Open Hole ☒ Perforation
☒ Sold ☐ Other (Specify) 4464-4478'

Surface Production	8-5/8"	5-1/2"	402'	4528'	275	150

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
6	4474-78', 4464-72'	250 gals. mud acid; Frac w/2500# sand & 2500 gals acid frac.	4464-78

TUBING RECORD Size Set At Packer at Liner Run ☐ Yes ☐ No

Date of First Production 4-4-59 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....