

Reporting Period 1984

TO:

Is not entered on the computer

DOCKET NO. CR-128227 [~~E~~ 21,647]
KCC KDHE

NW $\frac{1}{4}$ SEC 19, T 24 S, R 10 [] West [X] East

ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY

Lease Name Hawthorne Well# 1
(if battery of wells, attach list with locations)
Feet from N/S section line 2310'

Operator License Number 5370

Feet from W/E section line 1650'

Operator:
Name & Address Richard A. Soule
822 E. River
Eureka, Ks. 67045

Field Aagard

County Greenwood

Contact Person Richard A. Soule
Phone 316 583-5287

Disposal [] or Enhanced Recovery [X]

Person (s) responsible for monitoring well Richard A. Soule
Was this well/project reported last year? [] yes [X] no
List previous operator if new operator _____

I. INJECTION FLUID:

Type: [] fresh water [X] brine untreated [] water/brine mixture
Source: [X] produced water other: _____
Quality: Total dissolved solids _____ ppm/mgm/liter
Additives _____
(attach water analysis, if available)

TYPE COMPLETION:

[X] tubing & packer packer setting depth 2100 feet.
[] packerless (tubing-no packer) Maximum authorized pressure -0- psi.
[] tubingless (no tubing) Maximum authorized rate 200 bbl/day.

| Month | Total Fluid Injected in Month (bbl) | Days of Injection | Maximum Injection Pressure | Average Injection Pressure | Aver. Pressure Tubing to Casing Annulus | Pressure psig Casing to Surf. Pipe |
|-------|-------------------------------------|-------------------|----------------------------|----------------------------|---|------------------------------------|
| Jan. | <u>2320</u> | <u>16</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Feb. | <u>4205</u> | <u>29</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Mar. | <u>4495</u> | <u>31</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Apr. | <u>4350</u> | <u>30</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| May | <u>4495</u> | <u>31</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| June | <u>4350</u> | <u>30</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| July | <u>4495</u> | <u>31</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Aug. | <u>4495</u> | <u>31</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Sept. | <u>4350</u> | <u>30</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Oct. | <u>4495</u> | <u>31</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Nov. | <u>4350</u> | <u>30</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |
| Dec. | <u>4495</u> | <u>31</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> | <u>-0-</u> |

Well tests and the results during reporting period:

*For disposal wells complete page 1 plus section IV page 2.
For enhanced recovery wells (repressuring, secondary, tertiary) complete both pages.
Prepare one form for each injection well (SWD and ER) but only one report of Section II and III for each docket (project).

Project Hawthorne DOCKET # CR128227 [C-21,647] for 1984

II. Type of Secondary Recovery (check one if appropriate; does not apply to disposal well)

- Controlled waterflood [W]
 Pressure maintenance [P]
 Dump flood [D]

Type of Tertiary Recovery Project (check one if appropriate)

- Steam Flood [S] Fire Flood [F] Surfactant Chemical Flood [C]
 CO2 Injection [O] Air Injection [A] N2 Injection [N]
 Natural Gas Injection [G] Polymer/Micellar Flood [P] Other

Oil Producing Zone:

Name: Bartlesville Depth 2176 feet. Average Thickness 10 feet.

Oil Gravity 36 API

Production wells from this docket:

- a. Total number producing during reporting year 1.
b. Number drilled in reporting year 0.
c. Number abandoned in reporting year 0.
d. Total number of injection wells assisting production this project 1.

III. Enter zeros in the current year column only if no oil was produced or no water or gas was injected. If records are incomplete, please estimate the volumes, but in all cases report a volume for the current year. The cumulative column should reflect total volumes since initiation of the project. If records are incomplete please estimate the values.

| | <u>Current Year</u> | <u>Cumulative</u> |
|---|---------------------|-------------------|
| A. Liquid injected or dumped into producing zone (BBLs) (from side one for current year) | <u>50895</u> | <u>50895</u> |
| B. Gas or air injected into producing zone (MCF) | <u>-0-</u> | <u>-0-</u> |
| C. Oil production from project area (BBLs) (Total) | <u>739</u> | <u>739</u> |
| D. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection) | <u>739</u> | <u>739</u> |
| E. Oil recovered by <u>Tertiary Recovery</u> such as polymer-enhanced waterflood, surfactant polymer injection, alkaline chemical injection, miscible flood or gas injection, steam or hot water injection, or some combustion process, <u>but excluding</u> oil recovered by waterflood, pressure maintenance, or dump flood operations. | <u>-0-</u> | <u>-0-</u> |

IV. I certify that I am personally familiar with the above information and all attachments and that I believe the information to be true, accurate, and complete.

Date 10-27-85

Signature Richard A. Soule

Name Richard A. Soule

Title Operator

Complete all blanks - add pages if needed.

Copy to be retained for 5 years after filing date.