

Reporting Period 1984

TO:
STATE CORPORATION COMMISSION
CONSERVATION DIVISION - UIC SECTION
200 COLORADO DERBY BUILDING
WICHITA, KANSAS 67202

DOCKET NO. CR 108315 [E 22336]
KCC KDHE

X

NW SEC 10, T 31 S, R 14 [X] West [] East

ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY

Lease Name Nittler Well# 10-2
(if battery of wells, attach list with locations)
Feet from ~~XX~~/S section line 660

Operator License Number 8653

Feet from ~~XX~~/E section line 1980

Operator: Petroleum Technologies, Inc.
Name & 4005 E. Kellogg
Address Wichita, KS 67218

Field Nittler Emporia

County Barber

Disposal [] or Enhanced Recovery [XX]

Contact Person Richard Singleton
Phone (316) 886-3649

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

1. INJECTION FLUID:

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

TYPE COMPLETION:

[XX] tubing & packer packer setting depth 3023 feet.
[] packerless (tubing-no packer) Maximum authorized pressure 1000 psi.
[] tubingless (no tubing) Maximum authorized rate 1000 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>6820</u>	<u>31</u>	<u>400</u>	<u>400</u>	<u>∅</u>	<u>∅</u>
Feb.	<u>5520</u>	<u>25</u>	<u>400</u>	<u>400</u>	<u>∅</u>	<u>∅</u>
Mar.	<u>6600</u>	<u>30</u>	<u>350</u>	<u>350</u>	<u>∅</u>	<u>∅</u>
Apr.	<u>6500</u>	<u>30</u>	<u>400</u>	<u>400</u>	<u>∅</u>	<u>∅</u>
May	<u>6775</u>	<u>31</u>	<u>400</u>	<u>400</u>	<u>∅</u>	<u>∅</u>
June	<u>6620</u>	<u>30</u>	<u>400</u>	<u>400</u>	<u>∅</u>	<u>∅</u>
July	<u>4390</u>	<u>20</u>	<u>425</u>	<u>425</u>	<u>∅</u>	<u>∅</u>
Aug.	<u>6580</u>	<u>30</u>	<u>450</u>	<u>450</u>	<u>∅</u>	<u>∅</u>
Sept.	<u>6610</u>	<u>30</u>	<u>475</u>	<u>475</u>	<u>∅</u>	<u>∅</u>
Oct.	<u>6790</u>	<u>31</u>	<u>500</u>	<u>500</u>	<u>∅</u>	<u>∅</u>
Nov.	<u>6200</u>	<u>30</u>	<u>500</u>	<u>500</u>	<u>∅</u>	<u>∅</u>
Dec.	<u>6850</u>	<u>31</u>	<u>450</u>	<u>450</u>	<u>∅</u>	<u>∅</u>

Well tests and the results during reporting period:

*For disposal wells complete page 1 plus section D 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 B and C for each docket (project).

Project Nittler Emporia DOCKET # CR-108315 (C-22336) 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: Emporia Depth 3050 feet. Average Thickness 4 feet.

Oil Gravity 45 API

Production wells from this docket:

- a. Total number producing during reporting year 3.
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>76.3</u> 76,255	<u>79.2</u> 79,155
B. Gas or air injected into producing zone (MCF)	<u>0</u>	<u>0</u>
C. Oil production from project area (BBLS) (Total)	<u>12.9</u> 12,869	<u>22.8</u> 22,806
D. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection)	<u>12.9</u> 12,869	<u>14.5</u> 14,469
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 February 19, 1985

Signature N. David Urquhart

Name N. David Urquhart, P.Eng.

Title Consultant

Complete all blanks - add pages if needed.

Copy to be retained for 5 years after filing date.