

Reporting Period 1984

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

DOCKET NO. E-17,269 [ ]  
KCC KDHE

X SE SEC 14, T 19 S, R 12 [X] West  
[ ] East

ANNUAL REPORT OF PRESSURE MONITORING,  
FLUID INJECTION AND ENHANCED RECOVERY

Lease Name Apel Well# 2  
(if battery of wells, attach list with  
locations)

Feet from N/S section line 990

Operator License Number 5318

Feet from W/E section line 1650

Operator: Energy Reserves Group, Inc.  
Name & 925 Patton Road  
Address Great Bend, KS 67530

Field Cheyenne View

County Barton

Disposal [ ] for Enhanced Recovery [ X ]

Contact Person Jim Sullivan  
Phone (316) 792-2756

Person (s) responsible for monitoring well Pete Messick

Was this well/project reported last year? [ X ] yes [ ] no

List previous operator if new operator NA

I. INJECTION FLUID:

Type: [ ] fresh water [ X ] produced water Quality: Total dissolved solids 23,000 ppm/mgm/liter  
[ ] brine treated other: Additives  
[ X ] brine untreated (attach water analysis, if available)  
[ ] water/brine mixture

TYPE COMPLETION:

[ X ] tubing & packer packer setting depth 3086 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>2,759</u>	<u>31</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Feb.	<u>2,581</u>	<u>29</u>				
Mar.	<u>2,581</u>	<u>31</u>				
Apr.	<u>2,670</u>	<u>30</u>				
May	<u>2,759</u>	<u>31</u>				
June	<u>2,670</u>	<u>30</u>				
July	<u>3,016</u>	<u>31</u>				
Aug.	<u>3,060</u>	<u>31</u>				
Sept.	<u>2,850</u>	<u>30</u>				
Oct.	<u>3,007</u>	<u>31</u>				
Nov.	<u>3,161</u>	<u>29</u>				
Dec.	<u>2,194</u>	<u>30</u>				

Well tests and the results during reporting period:

MAR 22 1985

\*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).

12/83 Form U3C

Project Apel DOCKET # E-17,269 [ ] 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: L-KC      Depth 3140 feet.      Average Thickness 150 feet.

Oil Gravity 38.6 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.

	Current Year	Cumulative
A. Liquid injected or dumped into producing zone (BBLs) (from side one for current year)	<u>33.3</u> 33,308	<u>327</u> 327,074
B. Gas or air injected into producing zone (MCF)	<u>-0-</u>	<u>-0-</u>
C. Oil production from project area (BBLs) (Total)	<u>4.4</u> 4,355	<u>56.3</u> 56,344
D. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection)	<u>4.1</u> 4,093	<u>38.3</u> 38,267
E. Oil recovered by Tertiary Recovery 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, but excluding 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 3-12-85

Signature Jim Sullivan

Name Jim Sullivan

Title District Engineer

Complete all blanks - add pages if needed.

Copy to be retained for 5 years after filing date.