

Reporting Period 1987 API # 15-001-21,800
TO: STATE CORPORATION COMMISSION
CONSERVATION DIVISION - UIC SECTION
200 COLORADO DERBY BUILDING
WICHITA, KANSAS 67202

DOCKET NO. CR 9787 [] West
KCC KDHE

SEC 19 T 26 S. R. 12 [] East
[] East

ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY

Operator License Number 5304

Operator: Markan Oil, Inc.
Name & P.O. Box 537
Address Chanute, Kansas
66720

Contact Person F. L. Ballard
Phone 316-431-3420

Lease Name Becker Well# W-4
(if battery of wells, attach list with
locations)

Feet from N/A section line 1320

Feet from W/E section line 2310

Field Humboldt-Chanute

County Allen

Disposal[] or Enhanced Recovery[]

Person (s) responsible for monitoring well Dan Worthington
Was this well/project reported last year? [] Yes [] No
List previous operator if new operator ~~WILLIAMS~~ ~~BECK~~

I. INJECTION FLUID:

Type: [] fresh water [] produced water [] brine treated other: Arbuckle [] brine untreated [] water/brine mixture
Quality: Total dissolved solids 5012 ppm/mgm/liter
Additives corrosion inhibitor
(attach water analysis, if available)

TYPE COMPLETION:

[] tubing & packer packer setting depth N/A feet.
[] packerless (tubing-no packer) Maximum authorized pressure 750 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>1823</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Feb.	<u>1732</u>	<u>29</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Mar.	<u>2042</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Apr.	<u>1857</u>	<u>30</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
May	<u>2133</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
June	<u>2061</u>	<u>30</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
July	<u>2633</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Aug.	<u>2374</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Sept.	<u>1947</u>	<u>30</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Oct.	<u>1637</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Nov.	<u>1506</u>	<u>30</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
Dec.	<u>1598</u>	<u>31</u>	<u>650</u>	<u>650</u>	<u>N/A</u>	<u>0</u>
	<u>23,343</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).

12/83 Form U3C

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: Tucker Depth 900 feet. Average Thickness 40 feet.Oil Gravity 22.5 API

Production wells from this docket:

- a. Total number producing during reporting year 4.
b. Number drilled in reporting year —.
c. Number abandoned in reporting year —.
d. Total number of injection wells assisting production this project 4.

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)		28734
B. Gas or air injected into producing zone (MCF)	—	—
C. Oil production from project area (BBLs) (Total)	894	8531
D. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection)	894	8531
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.	—	—

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 1-31-85Signature Th. Ballard

Name _____

Title Agent

Complete all blanks - add pages if needed.

Copy to be retained for 5 years after filing date.