

Production and Injection Data - 1981

13. Injection wells:

- a. Total number injecting, 1981: 130 Average wellhead pressure _____ p.s.i.
- b. Number drilled in 1981: 0
- c. Number abandoned during 1981: 16

14. Production wells:

- a. Total number producing, 1981: 178
- b. Number drilled in 1981: 1
- c. Number abandoned in 1981: 0

Enter zeros in the 1981 columns only if no oil was produced or no water or gas was injected. If records are incomplete, please estimate the values, but in all cases report a value for 1981. The cumulative column should reflect total values since initiation of the project. If records are incomplete please estimate the values.

	<u>1981</u>	<u>Cumulative</u>	
15. Liquid injected or dumped into producing zone (BBLS)	<u>536 . 5</u>	<u>6572</u>	6.6
16. Gas or air injected into producing zone (MCF)	<u>0 0</u>	<u>0</u>	
17. Oil production from project area (BBLS) (Total)	<u>49.6 . 65</u>	<u>1234</u>	1.2
18. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection)	<u>44.7 . 04</u>	<u>1111</u>	1.1
19. Oil recovered by <u>Tertiary Recovery</u> such as polymer-enhanced waterflood, surfactant-polymer injection, alkaline chemical injection, miscible fluid or gas injection, steam or hot water injection, or some combustion process, <u>but excluding</u> oil recovered by waterflood, or pressure maintenance, or dump flood operations.	<u>. 005</u> <u>5.0 . 04</u>	<u>37.8</u>	.04

Dumpflood & all cases

Records will be permanent filed with Conservation Division, State

Corporation Commission of Kansas, 200 Colorado Building, Wichita, KS 67202
after the annual report is compiled.

TERTIARY
MD

Change

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

DOCKET NO. C-14,856 [85-981-C]
KCC KDHE

SEC. 35, T 24S S, R 20E [] West
[] East

ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY

Feet from N/S section line NA

Feet from W/E section line NA

Lease Legal Description SW 1/4 Sec. 35

Reporting Period Jan. 1982 thru Dec. 1982

Operator License Number 6032

Field Moran, 23.5

Operator:
Name &
Address

County Allen

Contact Person Kenneth Ogle

Phone 1-316-237-4575

INJECTION FLUID:

Type: Source: Quality:
[] fresh water [x] produced water Total dissolved solids ppm or mgm/liter
[x] brine treated other: Small amount Additives Scale and corrosion inhibitor
[] brine untreated of Miss. (attach water analysis, if available)
[] water/brine mixture

TYPE COMPLETION:

[] tubing & packer packer setting depth feet.
[] packerless Maximum authorized pressure psi
[] tubingless Maximum authorized rate 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.						
Feb.						
Mar.						
Apr.						
May						
June						
July						
Aug.						
Sept.						
Oct.						
Nov.						
Dec.						

Well tests and the results during reporting period:

Project E

Type of Secondary Recovery (check one if appropriate; does not apply to disposal well)
[x] Controlled waterflood[W]
[] Pressure maintenance [P]
[] Dump flood [D]

STATE CORPORATION COMMISSION
FEB 10 1983
CONSERVATION DIVISION
Wichita, Kansas

*This project covers a waterflood project of E point

* 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/Miscible
Flood ~~[P]~~ ☐ Other

Oil Producing Zone:

Name: BARTSVILLE Depth 810 feet. Average Thickness 10 feet.

Oil Gravity 22.3 API VISCOSITY 172cp

Production wells from this docket:

- a. Total number producing, 1982: 33
b. Number drilled in 1982: 0
c. Number abandoned in 1982: 0
d. Total number injecting in 1982: 25 of 27

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>130</u> 130,444	<u>1227</u> 1,226,678
B. Gas or air injected into producing zone (MCF)	<u>0</u>	<u>0</u>
C. Oil production from project area (BBLs) (Total)	<u>13,124</u> ^{13.1}	<u>344,975</u> ³⁴⁵
D. Oil production resulting from secondary recovery: (Oil recovered by Duff flood, Water-flood, Pressure Maintenance by water injection)	<u>11.8</u> *11,800	<u>311</u> 310,500
* Includes oil recovered by use of polymer also.		
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>5.0</u> 4987	<u>37.8</u> 37767

Person (s) responsible Russel Guder & J. McBride
for monitoring well _____

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 2-1-83

Signature Kenneth Ogle

Name Kenneth Ogle

Title Prod. Supt.

Complete all blanks - add pages if needed.

Copy to be retained for 5 years after filing date.

1982
Moran waterflood al leases

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

ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY

Reporting Period Jan 1982 thru DEC.1982

Operator License Number 6032

Operator: INEXCO OIL CO.
Name &
Address

DOCKET NO. C-14,856 [85-981-C]
KCC KDHE

SEC. 33, T 24S S, R 20E [] West
[] East

Feet from N/S section line 1000' FSL

Feet from W/E section line 2000' FWL

Lease Legal Description SW 1/4 SEC. 33

Field Moran

County Allen

Contact Person Kenneth Ogle

Phone 1-316-237-4575

INJECTION FLUID:

Type:
[] fresh water
[x] brine treated
[] brine untreated
[] water/brine mixture

Source:
[x] produced water
other: Miss small
amount

Quality:
Total dissolved solids _____ ppm or mgm/liter
Additives Scale & corrosion inhibitor
(attach water analysis, if available)

TYPE COMPLETION:

[] tubing & packer
[] packerless
[] tubingless

packer setting depth _____ feet.
Maximum authorized pressure _____ psi
Maximum authorized rate _____ 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.						
Feb.						
Mar.						
Apr.						
May						
June						
July						
Aug.						
Sept.						
Oct.						
Nov.						
Dec.						

Well tests and the results during reporting period:

Project W

Type of Secondary Recovery (check one if appropriate; does not apply to disposal well)
[x] Controlled waterflood [W]
[] Pressure maintenance [P]
[] Dump flood [D]

SEP 10 1982

ANNUAL KANSAS ENHANCED RECOVERY QUESTIONNAIRE 1982
INEXCO OIL COMPANY MORAN FLOOD ALL LEASES

* 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/~~Waterflood~~ Flood [☒] Other Waterflood

Oil Producing Zone:

Name: BARTSVILLE Depth 810 feet. Average Thickness 10 feet.

Oil Gravity 22 API

Production wells from this docket:

a. Total number producing, 1982: 178

b. Number drilled in 1982: 81

c. Number abandoned in 1982: 0

d. Total number injecting, 1982 130 } 146 Inj. Wells were reported in '81.
Num. Inj. Wells Abd., " 16

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>536</u> 535,922	<u>6572</u> 6,571,649
B. Gas or air injected into producing zone (MCF)	<u>49.6</u>	<u>1234</u>
C. Oil production from project area (BBLS) (Total)	<u>49,619</u>	<u>1,233,894</u>
D. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection)	<u>44.7</u> 44,657	<u>1111</u> 1,110,505
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>5.0</u> =4987	<u>37.8</u> 37,767

Person (s) responsible Russel Guder & Jack Mc Bride
for monitoring well _____

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 2-1-83

Signature Kenneth E Ogle

Name Kenneth E Ogle

Title Prod. Supt.

Complete all blanks - add pages if needed.

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