

01/21/85

17:31:33.9

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

LSE NAME : NOVINGER FIELD UNIT 1565412  
WELL NO : 602W  
TYPE OF WELL: WATER INJECTION  
DOCKET : (4924 )  
KCC E KDHE

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ANNUAL REPORT OF PRESSURE MONITORING,  
FLUID INJECTION AND ENHANCED RECOVERY  
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LEASE LEGAL DESCRIPTION  
C SE4 SE4 SEC 27 33S 30W

REPORTING PERIOD: 01-84 - 12-84

OPERATOR LICENSE NUMBER 5447

OPERATOR: CITIES SERVICE OIL & GAS CORP.  
NAME & 3545 N.W. 58TH ST.  
ADDRESS OKLAHOMA CITY, OK 73112

FIELD : NOVINGER  
COUNTY : MEADE  
CONTACT: RICHARD E. ADAMS  
PHONE : 405/949-4400

INJECTION FLUID:

TYPE: BRINE TREATED  
SOURCE: ( ) PRODUCED WATER  
OTHER : PROD + SHSD  
QUALITY: TOTAL DISSOLVED SOLIDS \_\_\_\_\_ PPM OR MGM/LITER  
ADDITIVES \_\_\_\_\_  
(ATTACH WATER ANALYSIS, IF AVAILABLE)

TYPE COMPLETION:

(X) TUBING & PACKER PACKER SETTING DEPTH 5249 FEET.  
( ) TUBING - NO PACKER MAXIMUM AUTHORIZED PRESSURE 800 PSI.  
( ) NO TUBING MAXIMUM AUTHORIZED RATE 600 BBL/DAY.

| MONTH | TOTAL FLUID<br>INJECTED IN<br>MONTH (BBL) | DAYS OF<br>INJECTION | MAXIMUM<br>INJECTION<br>PRESSURE | AVERAGE<br>INJECTION<br>PRESSURE | AVER. PRESSURE<br>TUBING TO<br>CASING ANNULUS | PRESSURE PSIG<br>CASING TO<br>SURF. PIPE |
|-------|-------------------------------------------|----------------------|----------------------------------|----------------------------------|-----------------------------------------------|------------------------------------------|
| JAN.  | 0                                         | 0                    | V                                | V                                | 0                                             | 0                                        |
| FEB.  | 0                                         | 0                    | V                                | V                                | 0                                             | 0                                        |
| MAR.  | 708                                       | 29                   | 650                              | 650                              | 0                                             | 0                                        |
| APR.  | 0                                         | 0                    | V                                | V                                | 0                                             | 0                                        |
| MAY   | 0                                         | 0                    | V                                | V                                | 0                                             | 0                                        |
| JUNE  | 0                                         | 0                    |                                  |                                  | 0                                             | 0                                        |
| JULY  | 0                                         | 31                   | V                                | V                                | 0                                             | 0                                        |
| AUG.  | 0                                         | 31                   | V                                | V                                | 0                                             | 0                                        |
| SEPT. | 905                                       | 30                   |                                  |                                  | 0                                             | 0                                        |
| OCT.  | 2372                                      | 31                   | 1050                             | 1050                             | 0                                             | 0                                        |
| NOV.  | 0                                         | 28                   | 1050                             | 1050                             | 0                                             | 0                                        |
| DEC.  | 0                                         | 0                    | 1050                             | 1050                             | 0                                             | 0                                        |

WELL TESTS AND THE RESULTS DURING REPORTING PERIOD:

TYPE OF SECONDARY RECOVERY (CHECK ONE IF APPROPRIATE; DOES NOT APPLY TO DISPOSAL WELL)  
( ) CONTROLLED WATERFLOOD (W)

Project Novinger Field Unit DOCKET # D-4924 [ ] for 198 4

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: Marmaton Depth 5297 feet. Average Thickness 14 feet.

Oil Gravity 44.9 API

Production wells from this docket:

- a. Total number producing during reporting year 9.  
b. Number drilled in reporting year -0-.  
c. Number abandoned in reporting year -0-.  
d. Total number of injection wells assisting production this project 8.

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>521</u><br>520831 | <u>27829</u><br>27829185 |
| B. Gas or air injected into producing zone (MCF)                                                                                                                                                                                                                                                                            | <u>-0-</u>           | <u>-0-</u>               |
| C. Oil production from project area (BBLs) (Total)                                                                                                                                                                                                                                                                          | <u>21.3</u><br>21306 | <u>4738</u><br>4738161   |
| D. Oil production resulting from secondary recovery: (Oil recovered by Dumpflood, Waterflood, Pressure Maintenance by water injection)                                                                                                                                                                                      | <u>21.3</u><br>21306 | <u>3664</u><br>3663917   |
| 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 2-5-85

Signature Richard E. Adams

Name Richard E. Adams

Title Oil and Gas Supervisor

Complete all blanks - add pages if needed.

Copy to be retained for 5 years after filing date.