

WELL TREATMENT REPORT

RECEIVED

DWL-494-N PRINTED IN U.S.A.

DOWELL

00210043

MAY 31 1984

DATE

04-13-84

WELL NAME AND NUMBER

A.J. NORTON #2

POOL / FIELD

LOCATION (LEGAL)

SEC 33 - T7N - R66W

FORMATION

CODELL

DOWELL LOCATION

GOLD OIL & GAS CONS. COMPANY

TREATMENT NUMBER

15-10-7715

PAGE

TGB: 7700

CSG: 2000

COUNTY / PARISH

WELLD

STATE

COLORADO

TYPE OF SERVICE

☒ Acidizing
☒ Fracturing☐ Sand Control☐ Other

SERVICE NAME

VFUG FRAC

JOB DONE DOWN

TUBING

☒

CASING

☐

ANNULUS

☐

OIL

☒

GAS

☐

WATER

☐

INJ.

☐

AGE OF WELL

NEW WELL

☒

REWORK

☐

OIL: API GRAVITY

TOTAL DEPTH

BHT. (LOG)

CASING SIZE

WT.

DEPTH

TYPE OR GRADE

LINER SIZE

WT.

TOP-BOTTOM

OPEN HOLE

CASING VOL.

TUBING VOL.

ANNULAR VOL.

PERFORATED INTERVALS

TOP

TO

BOTTOM

NO. OF HOLES

TOP

TO

BOTTOM

NO. OF HOLES

DIAMETER OF PERFORATIONS =

SERVICE INSTRUCTIONS: FRAC CODELL FORMATION
W VFUG FLUID 8920 GAL, 15000 LB
100 MESH AND 12000 20/40 MS INSTALL

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: 0630

LEFT LOCATION: 1730

| TIME (0001 to 2400) | INJECTION RECORD | | | | | | PRESSURE | | NOTATIONS | |
|------------------------|------------------|---------------|---------|-------------------------|--------------------|--------------|---------------|------|-----------|------------------------------------|
| | RATE BPM | TYPE OF FLUID | DENSITY | INCREMENT VOL. BBL'S | CUM. VOL. BBL'S | PROP TYPE | PROP #/GAL | CSG. | | TBG. |
| | | VF45 | | | | | | | | Pre-Job Safety Meeting |
| | | | | | | | | | | Pre-Job Pressure Test To _____ psi |
| 1113 | | " | | 240 | 0 | | | | | START PAD |
| 1126 | | " | | | | | | | | PAD TO PERFS |
| 1138 | | " | | | 101 | | | | | SHUT DOWN REPAIR |
| | | | | | | | | | | DESIGNOMETER AND ADJ |
| | | | | | | | | | | PRESSURE GAUGES |
| 1224 | 8 | VF46 | | 139 | 101 | | | 1800 | 5270 | RESTART PAD |
| 1244 | 9 | " | | 245 | 240 | 100 MESH | 1 | 1704 | 5620 | START 100 MESH @ 1 PPS |
| 1247 | 9 | " | | | 270 | 100 MESH | 1 | 1800 | 5700 | 100 MESH @ 1 PPS TO PERFS |
| 1307 | 9 | " | | 84 | 485 | 100 MESH | 1.5 | 2000 | 5800 | START 100 MESH @ 1.5 PPS |
| 1310 | 9 | " | | | 515 | 100 MESH | 1.5 | 2000 | 5770 | 100 MESH @ 1.5 PPS TO PERFS |
| 1322 | 10 | " | | 141 | 569 | — | — | 2000 | 5740 | START SPACER |
| 1325 | 10 | " | | | 599 | — | — | 2000 | 6000 | SPACER TO PERFS |
| 1336 | 11 | " | | 145 | 710 | 20/40 | 1 | 2000 | 6280 | START 20/40 @ 1 PPS |
| 1338 | 11 | " | | | 740 | 20/40 | 1 | 2000 | 6100 | 20/40 @ 1 PPS TO PERFS |

FRAC. GRADIENT

AVG. INJECTION RATES

LIQ.

11

W/PROP

11

TOTAL FLUID

2105

BBLs

135 000

TOTAL PROP

135 000

MAX. 6600

FINAL 4600

AVG. 6000

IMMED. S.D.P.

3750

15 MIN. SIP

3400

MATERIALS CHARGED FOR:

| MTL | QUANTITY | MTL | QUANTITY |
|------------|----------|-----|----------|
| 100 MESH | 15 000 | | |
| 20/40 MESH | 120 000 | | |
| 3/11 | 3500 | | |
| J 218 | 55 | | |
| F 75 | 175 | | |
| M 117 | 23700 | | |
| L 55 | 190 | | |

PRODUCTION PRIOR TO THIS TR.

☐ Test
☐ Stabilized

CUSTOMER REPRESENTATIVE

LARRY H

DOWELL SERVICE SUPERVISOR

KEN RABURN

WELL TREATMENT REPORT

DOWELL

RECEIVED

MAY 31 1984

DATE
04-13-84

DWL-494-N PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMICAL U.S.A.

WELL NAME AND NUMBER

F-J INDIANTON 2 #2

LOCATION (LEGAL)

SEC 33-77N R66W

DOWELL LOCATION

COLO. OIL & GAS CONS.

TREATMENT NUMBER

4-10-7712

POOL / FIELD

FORMATION

COOPILL

JOB DONE DOWN

TUBING ☒ CASING ☐ ANNULUS ☐

PAGE 2 OF 3 PAGES

ALLOWABLE PRESSURE

TBG: 7700 CSG: 2000

COUNTY / PARISH

BEST IMAGE
AVAILABLE

STATE

COLORADO

OIL ☒ GAS ☒ WATER ☐ INJ. ☐

AGE OF WELL

TOTAL DEPTH BHT. (LOG)

TYPE OF SERVICE

☐ Acidizing
☒ Fracturing☐ Sand Control
☐ Other

SERVICE NAME

YFUS FRAC

NEW WELL ☒ REWORK ☐

CASING SIZE WT. DEPTH

TYPE OR GRADE

LINER SIZE WT. TOP-BOTTOM

TUBING SIZE WT. DEPTH

PACKER TYPE PACKER DEPTH

OPEN HOLE CASING VOL.

1.5

TUBING VOL.

28.5

CUST.
NAME

FRIZZELL OIL COMPANY

ADDRESS

202 E 7TH ST. SUITE 420

CITY, STATE

ZIP CODE

LOUISIANA CO 70537

SERVICE INSTRUCTIONS:

FRAC COOPILL FORMATION

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: 0630

LEFT LOCATION: 1710

DIAMETER OF PERFORATIONS =

| TIME (0001 to 2400) | INJECTION RECORD | | | | | | | PRESSURE | | NOTATIONS |
|------------------------|------------------|---------------|---------|------------------------|-------------------|--------------|---------------|----------|------|------------------------------------|
| | RATE BPM | TYPE OF FLUID | DENSITY | INCREMENT VOL. BBLs | CUM. VOL. BBLs | PROP TYPE | PROP #/GAL | CSG. | TBG. | |
| | | YF4/G | | | | | | | | Pre-Job Safety Meeting |
| | | | | | | | | | | Pre-Job Pressure Test To _____ psi |
| 13.51 | 11.5 | " | | 204 | 885 | 20/40 | 1.5 | 2020 | 6080 | START 20/40 @ 1.5 |
| 1355 | 11.5 | " | | | 913 | 20/40 | 1.5 | 2010 | 5970 | 20/40 @ 1.5 TO PERFS |
| 1409 | 12 | " | | 312 | 1084 | 20/40 | 2 | 2000 | 6080 | START 20/40 @ 2 PPS |
| 1412 | 12 | " | | | 1119 | 20/40 | 2 | 2000 | 6030 | 20/40 @ 2 PPS TO PERFS |
| 1436 | 12 | " | | 212 | 1401 | 20/40 | 2.5 | 2020 | 6140 | START 20/40 @ 2.5 PPS |
| 1439 | 12 | " | | | 1431 | 20/40 | 2.5 | 2000 | 5930 | 20/40 @ 2.5 TO PERFS |
| 1453 | 12 | WF 40 | | 96 | 1613 | — | — | 2000 | 5800 | START SPACER |
| 1456 | 12 | WF 40 | | | 1643 | — | — | 2000 | 6200 | SPACER TO PERFS |
| 1502 | 12 | YF 4/G | | 212 | 1709 | 20/40 | 2.5 | 2045 | 6000 | START 20/40 @ 2.5 PPS |
| 1504 | 12 | " | | | 1739 | 20/40 | 2.5 | 2045 | 6260 | 20/40 @ 2.5 TO PERFS |
| 1520 | 12 | " | | 189 | 1921 | 20/40 | 3 | 2035 | 6340 | START 20/40 @ 3 PPS |
| 1523 | 12 | " | | | 1951 | 20/40 | 3 | 2040 | 6330 | 20/40 @ 3 PPS TO PERFS |
| 1526 | 12 | " | | 100 | 2110 | 20/40 | 4 | 2040 | 6413 | START 20/40 @ 4 PPS |
| 1529 | 12 | " | | | 2140 | 20/40 | 4 | 2060 | 6420 | 20/40 @ 4 PPS TO PERFS |
| 1544 | 12 | " | | 30 | 2270 | | 1 | 2050 | 6430 | START FLUSH |

FRAC. GRADIENT

AVG. INJECTION RATES

LIQ.

11

W/PROP

11

TOTAL FLUID

TOTAL PROP

BBLs

175.000

LBS.

TREATING PRESSURE SUMMARY

MAX. 6400

FINAL 4200

AVG. 6171

IMMED. S.D.P.

15 MIN. SIP

7400

PRODUCTION PRIOR TO THIS TR.

☐ Test
☐ Stabilized

CUSTOMER REPRESENTATIVE

LARRY H.

DOWELL SERVICE SUPERVISOR

K-A RABURN

4

DOWELL

RECEIVED

MAY 31 198

DATE _____

DWL-494-N PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMICAL U.S.A.

[illegible]

| | | | | | | | |
|------------------------------|-------|---------------------------|------------------|-------------------------------------|----------|------|----------|
| FRAC. GRADIENT. | | AVG. INJECTION RATES | | MATERIALS CHARGED FOR: | | | |
| | | LIQ. | W/PROP | MTRL | QUANTITY | MTRL | QUANTITY |
| TOTAL FLUID | | TOTAL PROP | | | | | |
| BBL.S. | | LBS. | | | | | |
| TREATING PRESSURE SUMMARY | | | | | | | |
| MAX. | FINAL | AVG. | IMMED. S.D.P. | 15 MIN. SIP | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| PRODUCTION PRIOR TO THIS TR. | | | | <input type="checkbox"/> Test | | | |
| | | | | <input type="checkbox"/> Stabilized | | | |
| CUSTOMER REPRESENTATIVE | | DOWELL SERVICE SUPERVISOR | | | | | |
| | | | | | | | |
| | | | | | | | |