

Shepley & Thomas  
20-4N-67W



00140521



**HALLIBURTON**  
SERVICES

A **Halliburton** Company

**WELL SERVICE REPORT**

T/B

## FRACTURING SERVICE TREATING REPORT

BILLED ON 626449 29 1984  
TICKET NO.

FORM # 2012 R-3

Shepler + Thomas

Field Johnston Sec. 20 Twp. 4N Rng. 67N County Weld State CO

Formation Name Code11 Type Sand

Formation Thickness 10' From 7252 To 7262

Initial Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcfd.

Present Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcfd.

Isolation Tool # \_\_\_\_\_ Mandrel Size \_\_\_\_\_ Extensions \_\_\_\_\_ In.

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ RBP@ \_\_\_\_\_

Head Or Flange \_\_\_\_\_ Pbtd 7802

|              | NEW USED | WEIGHT | SIZE  | FROM | TO   | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING       |          |        |       |      |      |                       |
| LINER        |          |        |       |      |      |                       |
| TUBING       |          |        | 2 7/8 | 0    | 7352 | 6000                  |
| OPEN HOLE    |          |        |       |      |      | SHOTS/FT.             |
| PERFORATIONS |          |        |       | 7252 | 7262 |                       |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |

**MATERIALS**

Treat. Fluid Versagel Density 50# Lb./Gal. @ API

Displ. Fluid \_\_\_\_\_ Density \_\_\_\_\_ Lb./Gal. @ API

Prop. Type Sand Size 20/40 Lb. 130,000

Prop. Type Sand Size 20/40 Prop Lb. 10,000

Radioactive Tracer \_\_\_\_\_ Carrier \_\_\_\_\_ Units-MCI

Surfactant Type Lo-Surf-250 Gal. 70 @ \_\_\_\_\_ /1000 Gal.

Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Fluid Loss Type WAC-11 Gal. 600 @ 30 /1000 Gal.

Gelling Agent WC-11 Gal. 3600 @ 50/40 /1000 Gal.

Gelling Agent \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Breaker Type SP Breaker Gal. 20 @ \_\_\_\_\_ /1000 Gal.

Breaker Type GBW-3 Gal. 20 @ \_\_\_\_\_ /1000 Gal.

Crosslinker CL-18 Gal. 90 @ 1 1/2 /1000 Gal.

Crosslinker CL-11 Gal. 3 @ \_\_\_\_\_ /1000 Gal.

Buffer Type K-34 Gal. 800 @ \_\_\_\_\_ /1000 Gal.

Buffer Type HYC-3 Gal. 200 @ \_\_\_\_\_ /1000 Gal.

Bactericide BE-3 Gal. 8 @ .1 /1000 Gal.

Non-Foamer NF-1 Gal. 10 @ \_\_\_\_\_ /1000 Gal.

Clay Control \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Diverter \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Friction Reducer \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_ Size \_\_\_\_\_ S.G.

Other KCL 14,000#

## JOB DATA

| DATE      | ON LOCATION | JOB STARTED | JOB COMPLETED |
|-----------|-------------|-------------|---------------|
| 10-22     | 10-22       | 10-22       | 10-22         |
| TIME 0330 | TIME 0430   | TIME 0814   | TIME 1107     |

## PERSONNEL AND SERVICE UNITS

| NAME        | UNIT NO. & TYPE | LOCATION |
|-------------|-----------------|----------|
| G. Graham   | Operator        | Brighton |
| R. Rafferty | "               | "        |
| L. Cordry   | 6494            | "        |
| B. Burrough | 5893            | "        |
| B. Greenly  | 7013            | "        |
| B. Williams | 8170            | "        |
| D. Reck     | 5889            | "        |
| J. Rott     | 0551            | "        |
| D. Mausolf  | 1624            | "        |
| R. Rafferty | 1624            | "        |
| J. Tolman   | 0535            | "        |
| B. Carter   | Fld. Supr.      | "        |
| C. Smith    | Bulk            | "        |
| R. Yeager   | Engr.           | "        |

## ACID DATA

Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl.

Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl.

Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

NE Agent Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Clay Control Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Cracking Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Iron Sequester \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

Friction Reducer \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

## PRESSURES IN PSI

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_

Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_

Average 4100 Fracture Gradient \_\_\_\_\_

ISIP 3220 5 Min. 3140 10 Min. 3090 15 Min. 3060

**HYDRAULIC HORSEPOWER**

Ordered 3000 Available 3000 Used 1206

**AVERAGE RATE IN BPM**

Treating 12 Displ. 12 Overall 12

## SUMMARY

## VOLUMES

Preflush: Bbl.-Gal. \_\_\_\_\_ Type \_\_\_\_\_

Load & Bkdn: Bbl.-Gal. 5000 Pad: Bbl.-Gal. 20,000

Treatment: Bbl.-Gal. 46,800 Displ: Bbl.-Gal. 2270

Gas Assist \_\_\_\_\_ Tons-Scf \_\_\_\_\_ @ \_\_\_\_\_ Scf./Bbl.

Foam Quality \_\_\_\_\_ % Total Volume Foam \_\_\_\_\_ Bbl.-Gal.

Total Volume: Bbl.-Gal. 74,070 Fluid \_\_\_\_\_

## REMARKS

1555 Bbls water used

48 Bbls oil 180 Bbls Methanol

Halliburton Operator G. Graham

Customer Representative X

Copies Requested \_\_\_\_\_

FIELD OFFICE

SHEPLER - THOMAS

LEASE BROWN

WELL NO. 20-1

JOB TYPE

Versafrac

DATE 10-22-84

**FIELD OFFICE**