

FRACTURING SERVICE TREATING REPORT

FORM # 012 R

BILLED ON
TICKET NO.

630434

Field

Sec. 26

Twp. 5N

WELL DATA

Rng. 65W

County Weld

State Co

Formation Name

Codell-Niobrara

Type Sand

Formation Thickness

From

To

Initial Prod: Oil

Bpd. Water

Bpd. Gas

Mcf/d.

Present Prod: Oil

Bpd. Water

Bpd. Gas

Mcf/d.

Isolation Tool #

Mandrel Size

Extensions

In.

Packer Type

Set At

Bottom Hole Temp.

RBP@

Head Or Flange

Pbtd

NEW USED

WEIGHT

SIZE

FROM

TO

MAXIMUM PSI ALLOWABLE

CASING

6

15.1

4 1/2

0

6500

LINER

TUBING

OPEN HOLE

Codell

6984

6996

7

FOOTS/FT.

PERFORATIONS

Niobr

6695

6699

2

PERFORATIONS

Niobr

6798

6813

3

PERFORATIONS

Niobr

6884

6888

2

MATERIALS

Treat. Fluid

L6C

Density

Lb./Gal. @ API

Displ. Fluid

L6C

Density

Lb./Gal. @ API

Prop. Type

Bulk Sand

Size

20/40

Lb.

380000

Prop. Type

Size

Lb.

Radioactive Tracer

Carrier

Units-MCI

Surfactant Type

Gal.

@

/1000 Gal.

Surfactant Type

Gal.

@

/1000 Gal.

Fluid Loss Type

Gal.-Lb.

@

/1000 Gal.

Gelling Agent

L6C

Gal.-Lb.

630

@

/1000 Gal.

Gelling Agent

Gal.-Lb.

@

/1000 Gal.

Breaker Type

SP

Gal.-Lb.

5

@

/1000 Gal.

Breaker Type

GBW-3

Gal.-Lb.

5

@

/1000 Gal.

Crosslinker

CL-18

Gal.-Lb.

38

@

/1000 Gal.

Stabilizer

GEI-3TA

Gal.-Lb.

350

@

/1000 Gal.

Buffer Type

BA-40

Gal.-Lb.

400

@

/1000 Gal.

Buffer Type

Gal.-Lb.

@

/1000 Gal.

Bactericide

Gal.-Lb.

@

/1000 Gal.

Non-Foamer

Gal.-Lb.

@

/1000 Gal.

Clay Control

CLA-Fix

Gal.-Lb.

81

@

/1000 Gal.

Diverter

Gal.-Lb.

@

/1000 Gal.

Friction Reducer

Gal.-Lb.

@

/1000 Gal.

Perfpac Balls

Qty.

Size

S.G.

Other

JOB DATA

DATE

1-24

TIME

1000

ON LOCATION

DATE

1-24

TIME

1030

JOB STARTED

DATE

1-24

TIME

1125

JOB COMPLETED

DATE

1-24

TIME

1317

PERSONNEL AND SERVICE UNITS

NAME

UNIT NO. & TYPE

LOCATION

Carter

46673

51324

Brignton

MANSAF

69171

5889

"

Cordry

80893

5603

"

Graham

51305

75306

"

Lucero

68137

7013

"

Van der HT

D1708

5893

"

Guinn

47249

7882

"

MANN

69169

0182

"

Lanning

67639

5350

"

Williams

86400

3762

"

Yeager

70154

Eng

"

Ketner

25412

Safety

"

Waterfield

5470

mech

"

Criswell

59198

3807

"

ACID DATA

Acid Type

HCL

%

7 1/2

Gal. Bbl.

500

Acid Type

%

Gal. Bbl.

Surfactant Type

LeSurt 259

Gal.

1

@

/1000 Gal.

Surfactant Type

Gal.

@

/1000 Gal.

NE Agent Type

Gal.

@

/1000 Gal.

Clay Control Type

Gal.-Lb.

@

/1000 Gal.

Corrosion Inhibitor

HAI-850

Gal.-Lb.

3

@

/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.

RECEIVED

FEB 27 1989

COLD OIL & GAS CONS. COMM.

DEPARTMENT

STIMULATION

DESCRIPTION OF JOB

MY-T-Frac HT

JOB DONE THRU: TUBING

CASING

ANNULUS

TSG./ANN.

PRESSURES IN PSI

Circulating

Displacement

Breakdown

Maximum

5000

Average

4400

Fracture Gradient

ISIP

3920

5 Min.

3640

10 Min.

3520

15 Min.

3430

HYDRAULIC HORSEPOWER

Ordered

4000

Available

4000

Used

AVERAGE RATE IN BPM

Treating

23-24

Displ.

28

Overall

28

CUSTOMER

Customer Representative

X

Frank Sambardella

Copies Requested

SUMMARY

Preflush: Bbl.-Gal.

500

Type

ACID

Load & Bkdn: Bbl.-Gal.

Pad: Scf-Bbl.-Gal.

13500

Treatment: Bbl.-Gal.

71000

Displ: Bbl.-Gal.

4100

Gas Assist

Tons-Scf

@

Scf./Bbl.

Foam Quality

%

Total Volume Foam

Bbl.-Gal.

Total Volume: Bbl.-Gal.

88600

Fluid-Foam

VOLUMES

REMARKS

00165514

Halliburton Operator

K. Carter

JOB LOG

WELL NO. 26-7 LEASE YETTINGTICKET NO. 630434CUSTOMER Robert W. Gerrity CoPAGE NO. 1JOB TYPE MY-T-Frac HTDATE 1-24-89

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							Called out
	1030							ON LOCATION
	1100							Safety Meeting
	1116							Load & Test Lines
	1120	4					3300	Pump Acid
1	1125	20	13500				5130	START PAD
2	1152	23	4000				5070	START 20/40 @ 2.5"
	1157	25					5020	2.5" HIT
3	1157	25	8000				5020	START 20/40 @ 4"
	1201	25					4840	4" HIT
4	1206	26	24000				4800	START 20/40 @ 5"
	1211	26					4620	5" HIT
5	1235	26	21000				4540	START 20/40 @ 6"
	1239	26					4430	6" HIT
6	1300	26	14000				4300	START 20/40 @ 8"
	1308	27					4280	8" HIT
7	1313	28	4100				4100	FLUSH
	1317							FINISH
							3920	ISIP
							3640	5 MIN
							3520	10 MIN
							3430	15 MIN
								RECEIVED
								FEB 27 1989
								GOOD OIL & GAS CONS. COMM.

CUSTOMER