




# HALLIBURTON

SERVICES

A **Halliburton** Company

## WELL SERVICE REPORT



# FRACTURING SERVICE TREATING REPORT

FORM # 2012 R-3

BILLED ON 626449  
TICKET NO.

Field Johnston

Sec. 20

Twp. 4N

Rng. 67N

County Weld

State CO

Formation Name Codell

Type Sand

Formation Thickness 10'

From 7252

To 7262

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 7802

WELL DATA

	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-Lb. 600

@ 30

/1000 Gal.

Gelling Agent WC-11

Gal-Lb. 3600

@ 50/40

/1000 Gal.

Gelling Agent

Gal-Lb.

@

/1000 Gal.

Breaker Type SP Breaker

Gal-Lb. 20

@

/1000 Gal.

Breaker Type GBW-3

Gal-Lb. 20

@

/1000 Gal.

Crosslinker CL-18

Gal-Lb. 90

@ 1 1/2

/1000 Gal.

Crosslinker CL-11

Gal-Lb. 3

@

/1000 Gal.

Buffer Type K-34

Gal-Lb. 800

@

/1000 Gal.

Buffer Type HYG-3

Gal-Lb. 200

@

/1000 Gal.

Bactericide BE-3

Gal-Lb. 8

@ .1

/1000 Gal.

Non-Foamer NF-1

Gal-Lb. 10

@

/1000 Gal.

Clay Control

Gal-Lb.

@

/1000 Gal.

Diverter

Gal-Lb.

@

/1000 Gal.

Friction Reducer

Gal-Lb.

@

/1000 Gal.

Perfpac Balls

Qty.

Size

S.G.

Other KCL 14,000#

JOB DATA

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

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
G. Graham	Operator	Brighton
R. Rafferty	"	"
L. Cordry	6494	"
B. Burough	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.

DEPARTMENT Stimulation

DESCRIPTION OF JOB Versafrae

JOB DONE THRU: TUBING ☒

CASING ☐

ANNULUS ☐

TSG./ANN. ☐

PRESSURES IN PSI

Circulating

Displacement

Breakdown

Maximum

Average 4100

Fracture Gradient

ISIP 3220

5 Min. 3140

10 Min. 3090

15 Min. 3060

Ordered 3000

Available 3000

Used 1206

Treating 12

Displ. 12

Overall 12

HYDRAULIC HORSEPOWER

AVERAGE RATE IN BPM

Customer Representative X

Copies Requested

FIELD OFFICE

SUMMARY

Preflush: Bbl.-Gal.

Type

Load & Bkdn: Bbl.-Gal. 5000

Pad: Bbl.-Gal. 20,000

Treatment: Bbl.-Gal. 46,800

Displacement: Bbl.-Gal. 2270

Gas Assist

Tons-Scf

@

Scf./Bbl.

Foam Quality

%

Total Volume Foam

Bbl.-Gal.

Total Volume: Bbl.-Gal. 74,070

Fluid: Bbl.-Gal.

REMARKS

1555 Bbls water used

48 Bbls oil 180 Bbls Methanol

Halliburton Operator G. Graham

CUSTOMER SHEPLER - THOMAS

LEASEE BROWN

WELL NO. 20-1

JOB TYPE Versafrae

DATE 10-22-84



WELL NO. 20-1 LEASE Brown TICKET NO. 626449  
CUSTOMER SHEPLER - THOMAS PAGE NO. 1  
JOB TYPE Versafrac DATE 10-22-84

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**FIELD OFFICE**