

WELL TREATMENT RI



UMBERGER INCORPORATED

DS-494 PRINTED IN U.S.A.

00203002

DATE

11-16-89

WELL NAME AND NUMBER

Nelson 13-22

LOCATION (LEGAL)

FORMATION

CON 14 MIOBRANA

STATE

Colorado

SERVICE NAME

YF640

DS LOCATION

Comm. CTI

TUBING ☐ CASING ☒ ANNULUS ☐OIL ☒ GAS ☒ WATER ☐ INJ. ☐

AGE OF WELL

NEW WELL ☐ REWORK ☐

Casing Size WT. DEPTH

TYPE OR GRADE

Liner Size WT. TOP-BOTTOM

OPEN HOLE CASING VOL.

.0142

TREATMENT NUMBER

9742

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ALLOWABLE PRESSURE

TGB: CSG: 600 VAPOR PSI

OIL: API GRAVITY

TOTAL DEPTH BHT. (LOG)

TUBING SIZE WT. DEPTH

TYPE OR GRADE

PACKER TYPE PACKER DEPTH

TUBING VOL. ANNULAR VOL.

COUNTY / PARISH

Weld

TYPE OF SERVICE

☐ Acidizing ☐ Sand Control ☐ Fracturing ☐ Other

CUST. NAME

17021000

ADDRESS

CITY, STATE

ZIP CODE

SERVICE INSTRUCTIONS:

FRAC Down 4 1/2 casing with
 113,000 gal. YF640 20,000 100 mesh
 350,000 20/40 + 5-98 12,000 Flush to
 PERFS WITH WF 20

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION:

LEFT LOCATION:

DIAMETER OF PERFORATIONS =

TIME (GMT ± 2400)	RATE BPM	TYPE OF FLUID	DENSITY	INJECTION RECORD		PROP. TYPE	PROP. PGAL.	PRESSURE		NOTATIONS
				INCREMENT VOL. BBLs	CUM. VOL. BBLs			CSG	TGB	
										Pre-Job Safety Meeting
										Pre-Job Pressure Test To _____ psi
1101	4	YF640		408	0			3240		START 17,000 gal YF640 PAD
1106	27.4				96			5530		PAD to PERFS
1117	28			408	100 mesh	1		5620		START 10,000 gal 1" 100°
1120	28			250	504			5600		100° 1" to PERFS
1126	29			130	634	700 mesh	2	5390		START 5000 gal 100° 2"
1130	29				754			5420		100° 2" to PERFS
1132	29			156	790	20/40	2	5420		START 6000 gal 20/40° 2"
1134	29				886			5430		20/40° 2" to PERFS
1136	29			324	946		3	5260		START 12,000 gal 20/40° 3"
1139	30				1042			5250		20/40° 3" to PERFS
1147	30			560	1270		4	5330		START 20,000 gal 20/40° 4"
1150	30				1366			5000		20/40° 4" to PERFS
1205	30			696	1830		5	4940		START 24,000 gal 20/40° 5"
1208	30				1926			4910		20/40° 5" to PERFS

FRAC. GRADIENT

AVG. INJECTION RATES

LIQ.

W/PROP

TOTAL FLUID

TOTAL PROP

BBLs.

LBS.

TREATING PRESSURE SUMMARY

MAX.

FINAL

AVG.

IMMED. S.D.P.

15 MIN. SIP

PRODUCTION PRIOR TO THIS TR.

☐ Test
☐ Stabilized

CUSTOMER REPRESENTATIVE

DS SERVICE SUPERVISOR

A.C. Brown M.B. Brown

WELL TREATMENT REPORT



DOWELL SCHLUMBERGER INCORPORATED

DS-104 PRINTED IN U.S.A.

DATE

11-16-87

WELL NAME AND NUMBER

WELSON 13-22
13-23

LOCATION (LEGAL)

FORMATION

STATE

FEB 18 1988

SERVICE NAME

COLD. OIL & GAS CONS. COM

DS LOCATION

TUBING

JOB DONE DOWN

CASING

ANNULUS

AGE

TYPE OF WELL

GAS

WATER

INJ.

NEW WELL

REWORK

TREATMENT NUMBER

9742

PAGE: OF PAGES

ALLOWABLE PRESSURE

TBG:

CSG:

OIL: API GRAVITY

VAPOR PSI

TOTAL DEPTH

BHT. (LOG)

TYPE OF SERVICE

☐ Acidizing
☐ Fracturing

☐ Sand Control
☐ Other

CUST. NAME

MAZUMA

ADDRESS

CITY, STATE
ZIP CODE

SERVICE INSTRUCTIONS:

FOR CONVERSION PURPOSES 24 BBLS EQUALS 1000 GALLONS

ARRIVED ON LOCATION:

LEFT LOCATION:

DIAMETER OF PERFORATIONS =

TIME (GMT TO 2400)	INJECTION RECORD							PRESSURE		NOTATIONS
	RATE BPM	TYPE OF FLUID	DENSITY	INCREMENT VOL. BBLS	CUM. VOL. BBLS	PROP TYPE	PROP AGAL	CSG	TBG	
										Pre-Job Safety Meeting
										Pre-Job Pressure Test To _____ psi
1228	30	YF640		510	2526	20/40	6	4700		START 20/40 @ 6"
1229	30				2622			4670		20/40 @ 6" to PERFS
1222	30				3095			4730		START 5-93 @ 6"
1248	30				3191			4700		5-93 @ 6" to PERFS
1250	30	WF20			3183			4880		START FLUSH
1253	21				3279			4770		SHUT DOWN
										ISIP 3800
										5 min 3800
										10 min 3770
										15 min 3770
										WATER Temp 48
										PN 6 Re.D 1032

FRAC. GRADIENT

AVG. INJECTION RATES

LIQ.

30

W/PROP

TOTAL FLUID

2799

BBLS.

TOTAL PROP

382.000

LBS.

TREATING PRESSURE SUMMARY

MAX. 5810

FINAL 4700

AVG. 4900

IMMED. S.D.P.

15 MIN. SIP

PRODUCTION PRIOR TO THIS TR.

☐ Test

☐ Stabilized

CUSTOMER REPRESENTATIVE

DS SERVICE SUPERVISOR

MTRL

QUANTITY

MTRL

QUANTITY

146

15900

5218

53

M-76

25

5353

400

D-47

5

7 1/2 9016

1000

A-250

2

1000KSH

20000

20/40

350,000

5-93

12,000

SILVER