

Computer Inventoried

ORIGINAL

WELL NAME: Gress #3A Twin
COMPANY: McGinness Oil Company of Kansas
LOCATION: 7-31S-12W
Barber County, Kansas
DATE: 12/9/97

15-007-22550

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness Oil Co of KS
WELL NAME: Gress #3A Twin
LOCATION : 7-31S-12W Barber Co KS
INTERVAL : 3930.00 To 3940.00 ft

DATE 12-6-97
KB 1636.00 ft TICKET NO: 10093 DST #1
GR 1625.00 ft FORMATION: Drum
TD 3940.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	10332			PF Fr. 0958 to 1028 hr
SI 45 Range(Psi)	4375.0	4375.0	4025.0	0.0	0.0	IS Fr. 1028 to 1113 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1113 to 1143 hr
FS 45 Depth(ft)	3937.0	3937.0	3932.0	0.0	0.0	FS Fr. 1143 to 1228 hr

	Field	1	2	3	4	
A. Init Hydro	1896.0	1906.0	0.0	0.0	0.0	T STARTED 0800 hr
B. First Flow	56.0	74.0	0.0	0.0	0.0	T ON BOTM 0950 hr
B1. Final Flow	44.0	36.0	0.0	0.0	0.0	T OPEN 0958 hr
C. In Shut-in	897.0	925.0	0.0	0.0	0.0	T PULLED 1228 hr
D. Init Flow	78.0	94.0	0.0	0.0	0.0	T OUT 1415 hr
E. Final Flow	44.0	45.0	0.0	0.0	0.0	
F. Fl Shut-in	941.0	942.0	0.0	0.0	0.0	
G. Final Hydro	1896.0	1843.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 30.00 ft of 0.00 ft in DC and 30.00 ft in DP
1054.00 ft of Gas in pipe
30.00 ft of Slight gas cut mud 4%gas 96%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Strong blow - bottom of bucket
in 15 - 30 seconds

Initial Shutin:
Bled down for 5 minutes

Final Flow:
Strong blow - bottom of bucket
in 30 seconds

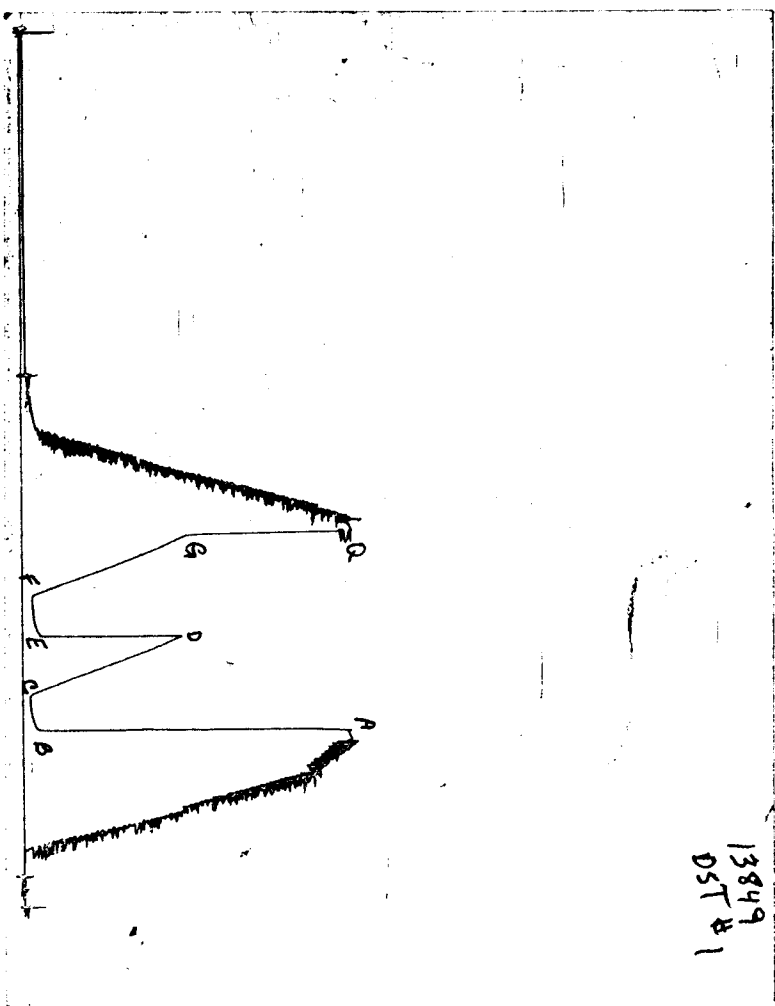
Final Shutin:
Bled down for 5 minutes

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/ci
Vis. 42.00 S/L
W.L. 11.20 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 114.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Darren Amerine
Co. Rep. Doug McGinness
Contr. Duke
Rig # 5
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 10093

Well Name & No. <u>Gress #3A Twin</u>	Test No. <u>#1</u>	Date <u>12/6/97</u>
Company <u>McGinness O.L. Co. of Kansas</u>	Zone Tested <u>Drum</u>	
Address <u>150 N. Main Suite 1026 Wichita, KS 67202</u>	Elevation <u>1636</u>	KB <u>1625</u> GL
Co. Rep / Geo. <u>Doug McGinness Jr. Cont. Duke #5</u>	Est. Ft. of Pay	Por. %
Location: Sec. <u>7</u> Twp. <u>31^s</u> Rge. <u>12^w</u>	Co. <u>Barber</u>	State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>—</u>	Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>

Interval Tested <u>3930' - 3940'</u>	Initial Str Wt./Lbs. <u>42,000</u>	Unseated Str Wt./Lbs. <u>44,000</u>
Anchor Length <u>10'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>3925'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3930'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>3940</u>	Wt. Pipe Run	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.1</u> LCM <u>—</u> Vis. <u>12</u> WL <u>11.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3923'</u>

Blow Description IF Strong blow. B.O.D 15-30 sec.
IST: Bled down for 5 mins. VS db.
FF Strong blow. Bled in 30 sec.
EST: Bled down for 5 mins.

Recovery — Total Feet <u>30'</u>	GIP <u>1054'</u>	Ft. in DC <u>N/A</u>	Ft. in DP
Rec. <u>30'</u> Feet Of <u>56 CM</u>	Trace of water	4 %gas	%oil %water 96 %mud
Rec. Feet Of	%gas	%oil	%water %mud
Rec. Feet Of	%gas	%oil	%water %mud
Rec. Feet Of	%gas	%oil	%water %mud
Rec. Feet Of	%gas	%oil	%water %mud

BHT 114° °F Gravity °API D₄₀ °F Corrected Gravity °API

RW ° Chlorides ppm Recovery Chlorides 7200 ppm System

(A) Initial Hydrostatic Mud	<u>1896</u> PSI	Recorder No. <u>10332</u>	T-Started <u>8:00 A</u>
(B) First Initial Flow Pressure	<u>56</u> PSI	(depth) <u>3932'</u>	T-Open <u>9:58</u>
(C) First Final Flow Pressure	<u>44</u> PSI	Recorder No. <u>13849</u>	T-Pulled <u>12:28 P</u>
(D) Initial Shut-in Pressure	<u>897</u> PSI	(depth) <u>3937</u>	T-Out <u>2:15</u>
(E) Second Initial Flow Pressure	<u>78</u> PSI	Recorder No.	
(F) Second Final Flow Pressure	<u>44</u> PSI	(depth)	
(G) Final Shut-in Pressure	<u>941</u> PSI	Initial Opening <u>30</u>	Test ☒
(H) Final Hydrostatic Mud	<u>1896</u> PSI	Initial Shut-in <u>45</u>	Jars ☒

Final Flow <u>30</u>	Safety Joint ☒
Final Shut-in <u>45</u>	Straddle

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]

Circ. Sub
Sampler
Extra Packer
Elect. Rec.
Other

TRILOBITE TESTING L.L.C.

OPERATOR : McGinness Oil, of Kansas
WELL NAME: Gress #3A Twin
LOCATION : 7-31s-12w Barber Co KS
INTERVAL : 4147.00 To 4190.00 ft

DATE 12/6/97
KB 1636.00 ft TICKET NO: 10094 DST #2
GR 1625.00 ft FORMATION: Marmaton
TD 4190.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2350			PF Fr. 1751 to 1821 hr
SI 45 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1821 to 1906 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1906 to 1951 hr
FS 60 Depth(ft)	4187.0	4187.0	4157.0	0.0	0.0	FS Fr. 1951 to 2051 hr

	Field	1	2	3	4	
A. Init Hydro	2168.0	2182.0	2164.0	0.0	0.0	T STARTED 1532 hr
B. First Flow	30.0	55.0	31.0	0.0	0.0	T ON BOTM 1749 hr
B1. Final Flow	41.0	55.0	29.0	0.0	0.0	T OPEN 1751 hr
C. In Shut-in	51.0	60.0	36.0	0.0	0.0	T PULLED 2051 hr
D. Init Flow	41.0	55.0	26.0	0.0	0.0	T OUT 2230 hr
E. Final Flow	41.0	55.0	28.0	0.0	0.0	
F. Fl Shut-in	41.0	60.0	33.0	0.0	0.0	
G. Final Hydro	2148.0	2144.0	2142.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 2100.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 48000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4139.00 ft

RECOVERY

Tot Fluid 15.00 ft of 0.00 ft in DC and 15.00 ft in DP
100.00 ft of Gas in pipe
0.00 ft of
15.00 ft of Very slightly gas cut mud 1%gas 99%mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Fair blow built to 7" in water

Initial Shutin:
Bled down for 5 minutes no blow back

Final Flow:
Weak blow - Died in 18 mins.

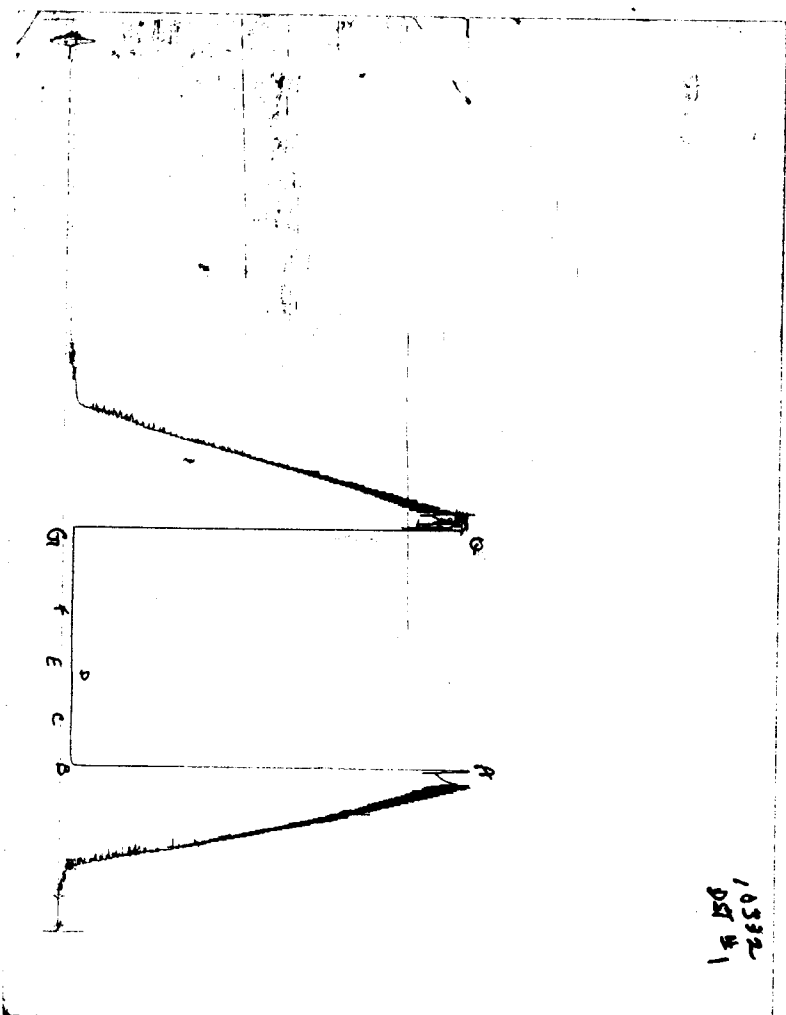
Final Shutin:
No blow back

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.20 lb/ci
Vis. 50.00 S/L
W.L. 12.00 in3
F.C. 0.00 in
Mud Drop N
Amt. of fill 0.00 ft
Btm. H. Temp. 123.00 F
Hole Condition Good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type none
Reversed Out N
Tool Chased N
Tester Darren Amerine
Co. Rep. Doug McGinness
Contr. Duke
Rig # 5
Unit #
Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Gress #3A Twin

LOCATION : 7-31s-12w Barber Co KS

TICKET No. 10094 D.S.T. No. 2 DATE 12/6/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 43

TOTAL TOOL 71

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands66 Single 1 Total 4139

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4210

TOTAL DEPTH 4190

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

P.O. SUB	
C.O. SUB	4121
S.I. TOOL	4126
HMV	4131
JARS	4136
SAFETY JOINT	4138
PACKER	4142
PACKER	4147
DEPTH	
STUBB 1'stubb to	4148
ANCHOR 5'of perfs,to	4153
Alpine rec @ 4157'	
	4153
	4153
35'of perfs.to	4188
T.C.	
DEPTH	
	4188
	4188
Ak-1 rec @ 4187	
BULLNOSE 2'bullnose to	4190
T.D.	

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 10094

Well Name & No. <u>Gress #3A Twin</u>	Test No. <u>#2</u>	Date <u>12/6/97</u>
Company <u>McGinness Oil Co of Kansas</u>	Zone Tested _____	
Address <u>150 N. Main, Ste 1026 Wichita, KS 67202</u>	Elevation <u>1636</u> KB <u>1625</u> GL	
Co. Rep / Geo. <u>Doug McGinness</u>	Cont. <u>Dutre #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>9</u>	Twp. <u>31 S</u>	Rge. <u>12 W</u> Co. <u>Barber</u> State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4147 - 4190</u>	Initial Str Wt./Lbs. <u>48000</u>	Unseated Str Wt./Lbs. <u>48000</u>
Anchor Length <u>43'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>4142'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4147</u>	Hole Size — <u>7 7/8"</u> ☒	Rubber Size — <u>6 3/4"</u> ☒
Total Depth <u>4190</u>	Wt. Pipe Run _____	Drill Collar Run <u>N/A</u>
Mud Wt. <u>9.2</u> LCM <u>4th</u> Vis. <u>50</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4139'</u>
Blow Description <u>TF: Fair blow. Built to 7 in.</u>		
<u>IST: Bled down for 5 min.</u>		
<u>FF: Weak blow, died in mud</u>		
<u>FST: No h.h.</u>		

Recovery — Total Feet <u>15</u>	GIP <u>100'</u>	Ft. in DC <u>N/A</u>	Ft. in DP <u>15'</u>
Rec. <u>15</u> Feet Of <u>US 6CM</u>	1 %gas	%oil	%water <u>99%</u> %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud

BHT 123° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ °F Chlorides _____ ppm Recovery Chlorides 7200 ppm System

(A) Initial Hydrostatic Mud <u>2164</u> <u>2168</u> PSI	Recorder No. <u>10332</u>	T-Started <u>3:32 P</u>
(B) First Initial Flow Pressure <u>31</u> <u>30</u> PSI	(depth) <u>4187'</u>	T-Open <u>5:51</u>
(C) First Final Flow Pressure <u>29</u> <u>41</u> PSI	Recorder No. <u>2350</u>	T-Pulled <u>8:51</u>
(D) Initial Shut-in Pressure <u>36</u> <u>51</u> PSI	(depth) <u>4157'</u>	T-Out <u>10:30</u>
(E) Second Initial Flow Pressure <u>26</u> <u>41</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>28</u> <u>41</u> PSI	(depth) _____	
(G) Final Shut-in Pressure <u>33</u> <u>41</u> PSI	Initial Opening <u>30</u>	Test ☒
(H) Final Hydrostatic Mud <u>2142</u> <u>2148</u> PSI	Initial Shut-in <u>45</u>	Jars ☒
<u>ALP, 1st</u> <u>AR-1</u>	Final Flow <u>45</u>	Safety Joint ☒
	Final Shut-in <u>60</u>	Straddle _____
		Circ. Sub _____
		Sampler _____
		Extra Packer _____
		Elect. Rec. ☒
		Other _____
		TOTAL PRICE \$ _____

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Approved By

Our Representative

Doug McGinness
Darren Comer