

WELL NAME: Russell Trust #1
COMPANY: Becker Oil Corporation
LOCATION: 12-23S-32W
Finney County Kansas
DATE: 09/19/96

TRILOBITE TESTING L.L.C.

OPERATOR : Becker Oil Corporation
 WELL NAME: Russell Trust #1
 LOCATION : 12-23S-32W, Finney Cty KS
 INTERVAL : 4614.00 To 4650.00 ft

DATE 09/16/96

KB 2942.00 ft TICKET NO: 9290 DST #1
 GR 2931.00 ft FORMATION: Cherokee
 TD 4650.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	13339	13339	13276			PF Fr. 1025 to 1040 hr
SI 0 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1040 to 1100 hr
SF 0 Clock(hrs)	12	12	12			SF Fr. 1100 to 1110 hr
FS 0 Depth(ft)	4645.0	4645.0	4640.0	0.0	0.0	FS Fr. 1110 to 1125 hr

	Field	1	2	3	4	
A. Init Hydro	2303.0	2302.0	0.0	0.0	0.0	T STARTED 0745 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 1023 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 1025 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1125 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1330 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2273.0	2262.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 76000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 603.00 ft
						D.P. Length 4017.00 ft

RECOVERY

Tct Fluid 1.00 ft of 1.00 ft in DC and 0.00 ft in DP
 1.00 ft of Drilling mud

RW 2.1 @ 70 F

SALINITY 2900.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 No blow, flushed tool, surge at reopen
 no return

Final Flow -
 No blow, flushed tool, no return blow

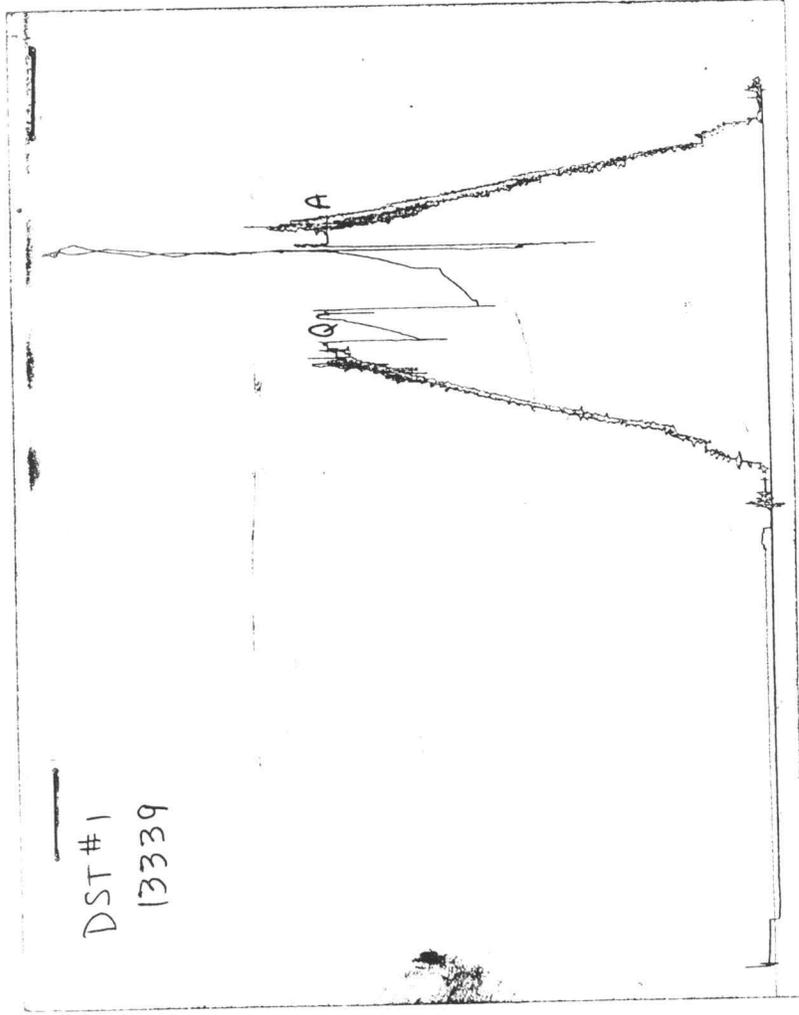
SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	35.00 S/L
W.L.	10.40 in ³
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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	Rod Steinbrink
Co. Rep.	Clyde Becker
Contr.	Cheyenne
Rig #	2
Unit #	
Pump T.	

Test Successful: N

CHART PAGE



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

*** TOOL DIAGRAM *** CONV

WELL NAME: Russell Trust #1
 LOCATION : 12-23S-32W, Finney Cty KS
 TICKET No. 9290 D.S.T. No. 1 DATE 09/16/96
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 27
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 36
 TOTAL TOOL 63
 DRILL COLLAR ANCHOR IN INTERVAL
 D.C. ANCHOR STND.Stands Single Total
 D.P. ANCHOR STND.Stands Single Total
 TOTAL ASSEMBLY 63
 D.C. ABOVE TOOLS.Stands Single Total 603
 D.P. ABOVE TOOLS.Stands Single Total 4017
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4683
 TOTAL DEPTH 4650
 TOTAL DRILL PIPE ABOVE K.B. 33
 REMARKS:

P.O. SUB	
C.O. SUB	4587
S.I. TOOL	4593
HMV	4598
JARS	4603
SAFETY JOINT	4605
PACKER	4609
PACKER	4614
DEPTH 4614	
STUBB	4615
ANCHOR	
Perf	
T.C.	
DEPTH	
AK-1 recorder	4640
AK-1 recorder	4645
BULLNOSE Bull plug	
T.D.	4650

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9290

Well Name & No.	<u>Russell Trvst #1</u>	Test No.	<u>1</u>	Date	<u>9-16-96</u>
Company	<u>Becker Oil Corporation</u>	Zone Tested	<u>Cherokee</u>		
Address	<u>122 E. Grand Ste 212 Ponca City, OK. 74601</u>		Elevation	<u>2942</u>	KB <u>2931</u> GL
Co. Rep / Geo.	<u>Clyde Becker</u>	Cont.	<u>Cheyenne #2</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>12</u>	Twp.	<u>23^S</u>	Rge.	<u>32^W</u> Co. <u>Finney</u> State <u>KS</u>
No. of Copies	<u>Nml</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>4614 - 4650</u>	Initial Str Wt./Lbs.	<u>76,000</u>	Unseated Str Wt./Lbs.	<u>76,000</u>
Anchor Length	<u>36'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>82,000</u>
Top Packer Depth	<u>4609</u>	Hole Size — 7 7/8"	<u> </u>	Rubber Size — 6 3/4"	<u> </u>
Bottom Packer Depth	<u>4614</u>	Wt. Pipe I.D. — 2.7 Ft. Run	<u> </u>		
Total Depth	<u>4650</u>	Drill Collar — 2.25 Ft. Run	<u>4 1/2" XH</u>	<u>603'</u>	
Mud Wt. <u>9.1</u> LCM <u> </u> Vis. <u>35</u> WL <u>10.4</u>		Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>4017'</u>
Blow Description	<u>IF: No blow - flush tool - surge @ reopen no return.</u>				

FF: No blow - flush tool - no return blow.

Recovery — Total Feet	<u>1'</u>	Ft. in DC	<u>1'</u>	Ft. in WP	<u> </u>	Ft. in DP	<u> </u>
Rec.	<u> </u> Feet Of	%gas	%oil	%water	%mud		
Rec.	<u> </u> Feet Of	%gas	%oil	%water	%mud		
Rec.	<u>1'</u> Feet Of <u>Drilg. Mud</u>	%gas	%oil	%water	%mud		
Rec.	<u> </u> Feet Of	%gas	%oil	%water	%mud		
Rec.	<u> </u> Feet Of	%gas	%oil	%water	%mud		

BHT 120° °F Gravity °API D@ °F Corrected Gravity °API

RW 2.1 @ 70° °F Chlorides 2,900 ppm Recovery Chlorides 5,100 ppm System

(A) Initial Hydrostatic Mud	<u>2303</u>	PSI	Recorder No.	<u>13276</u>	T-Started	<u>0745</u>
(B) First Initial Flow Pressure	<u> </u>	PSI	@ (depth)	<u>4640</u>	T-Open	<u>1025</u>
(C) First Final Flow Pressure	<u> </u>	PSI	Recorder No.	<u>13339</u>	T-Pulled	<u>1125</u>
(D) Initial Shut-in Pressure	<u> </u>	PSI	@ (depth)	<u>4645</u>	T-Out	<u>1330</u>
(E) Second Initial Flow Pressure	<u> </u>	PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u> </u>	PSI	@ (depth)	<u> </u>		
(G) Final Shut-in Pressure	<u> </u>	PSI	Initial Opening	<u>15</u>	Test	<u>400</u>
(H) Final Hydrostatic Mud	<u>2273</u>	PSI	Initial Shut-in	<u>20</u>	Jars	<u>X 200</u>

Final Flow	<u>10</u>	Safety Joint	<u>X 50</u>
Final Shut-in	<u>15</u>	Straddle	<u> </u>
		Circ. Sub	<u>X N/C</u>
		Sampler	<u> </u>
		Extra Packer	<u> </u>
		Elect. Rec.	<u> </u>
		Other	<u> </u>

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

Our Representative Rod Steinbrink

TOTAL PRICE \$ 650

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6

TRILOBITE TESTING L.L.C.

OPERATOR : Becker Oil Corporation
 WELL NAME: Russell Trust #1
 LOCATION : 12-23S-32W, Finney Cty KS
 INTERVAL : 4614.00 To 4650.00 ft

DATE 09/16/96

KB 2942.00 ft TICKET NO: 9291 DST #2
 GR 2931.00 ft FORMATION: Cherokee
 TD 4650.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13276			PF Fr. 1548 to 1618 hr
SI 45 Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1618 to 1703 hr
SF 30 Clock(hrs)	12	12	12			SF Fr. 1703 to 1733 hr
FS 45 Depth(ft)	4645.0	4645.0	4640.0	0.0	0.0	FS Fr. 1733 to 1818 hr

	Field	1	2	3	4	
A. Init Hydro	2303.0	2321.0	0.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	31.0	60.0	0.0	0.0	0.0	T ON BOTM 1545 hr
B1. Final Flow	31.0	60.0	0.0	0.0	0.0	T OPEN 1548 hr
C. In Shut-in	1210.0	1233.0	0.0	0.0	0.0	T PULLED 1818 hr
D. Init Flow	52.0	77.0	0.0	0.0	0.0	T OUT 2045 hr
E. Final Flow	52.0	77.0	0.0	0.0	0.0	
F. Fl Shut-in	1140.0	1170.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2283.0	2288.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 76000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 603.00 ft
						D.P. Length 4017.00 ft

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Drilling mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow throughout

Final Flow -
 No return blow

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	44.00 S/L
W.L.	9.00 in ³
F.C.	0.00 in
Mud Drop	

Amt. of fill 0.00 ft
 Btm. H. Temp. 124.00 F

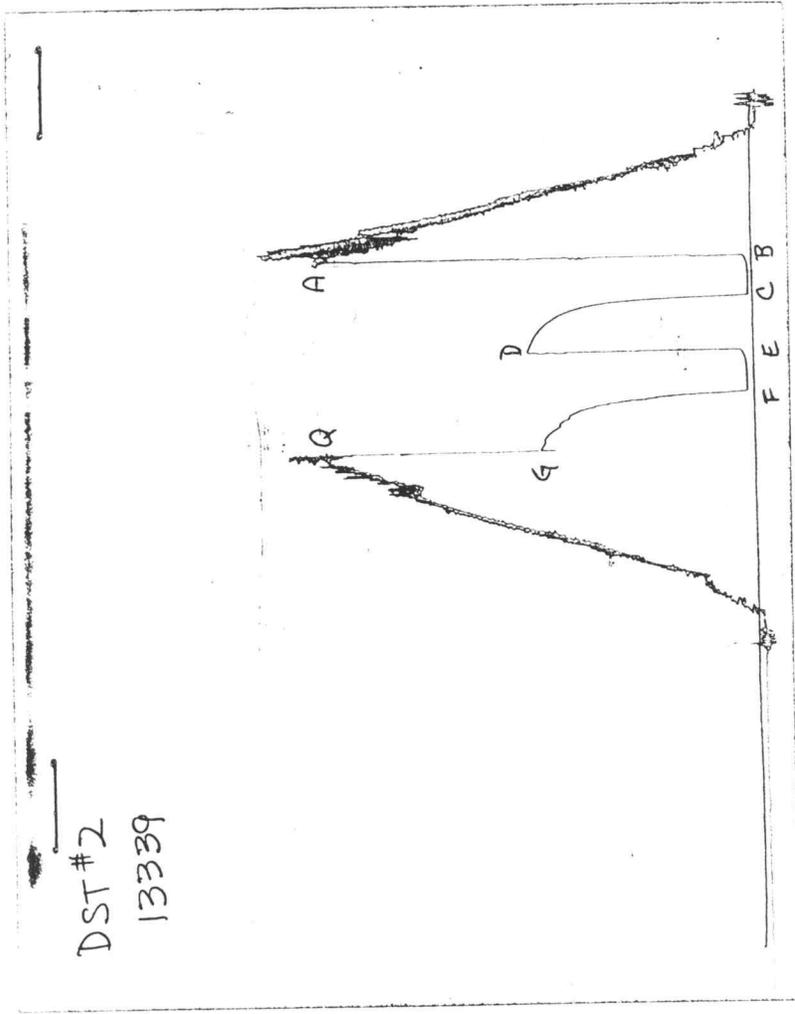
Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00

Cushion Type
 Reversed Out
 Tool Chased
 Tester Rod Steinbrink
 Co. Rep. Clyde Becker
 Contr. Cheyenne
 Rig # 2
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

Test Successful: Y

CHART PAGE



DST #2
13339

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

*** TOOL DIAGRAM *** CONV

WELL NAME: Russell Trust #1
 LOCATION : 12-23S-32W, Finney Cty KS
 TICKET No. 9291 D.S.T. No. 2 DATE 09/16/96
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 27
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 36
 TOTAL TOOL 63
 DRILL COLLAR ANCHOR IN INTERVAL
 D.C. ANCHOR STND.Stands Single Total
 D.P. ANCHOR STND.Stands Single Total
 TOTAL ASSEMBLY 63
 D.C. ABOVE TOOLS.Stands Single Total 603
 D.P. ABOVE TOOLS.Stands Single Total 4017
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4683
 TOTAL DEPTH 4650
 TOTAL DRILL PIPE ABOVE K.B. 33
 REMARKS:

P.O. SUB	
C.O. SUB	4587
S.I. TOOL	4593
HMV	4598
JARS	4603
SAFETY JOINT	4605
PACKER	4609
PACKER	4614
DEPTH 4614	
STUBB	4615
ANCHOR	
Perf	
T.C.	
DEPTH	
AK-1 Recorder	4640
AK-1 Recorder	4645
BULLNOSE Bull Plug	
T.D.	4650

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9291

Well Name & No.	<u>Russell Trust #1</u>	Test No.	<u>2</u>	Date	<u>9-16-96</u>
Company	<u>Becker Oil Corporation</u>	Zone Tested	<u>Cherokee</u>		
Address	<u>122 E. Grand Ste. 212 Ponca City, OK 74601</u>		Elevation	<u>2942</u>	KB <u>2931</u> GL
Co. Rep / Geo.	<u>Clyde Becker</u>	Cont.	<u>Cheyenne #2</u>	Est. Ft. of Pay	___ Por. ___ %
Location: Sec.	<u>12</u>	Twp.	<u>23^S</u>	Rge.	<u>32^W</u>
			Co.	<u>Finney</u>	State <u>KS</u>
No. of Copies	Distribution Sheet (Y, N) ___	Turnkey (Y, N)	Evaluation (Y, N) ___		

Interval Tested	<u>4614 - 4650</u>	Initial Str Wt./Lbs.	<u>76,000</u>	Unseated Str Wt./Lbs.	<u>76,000</u>
Anchor Length	<u>36'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>85,000</u>
Top Packer Depth	<u>4609</u>	Hole Size — 7 7/8"	___	Rubber Size — 6 3/4"	___
Bottom Packer Depth	<u>4614</u>	Wt. Pipe I.D. — 2.7 Ft. Run	___		
Total Depth	<u>4650</u>	Drill Collar — 2.25 Ft. Run	<u>4 1/2" XH</u>	<u>603'</u>	
Mud Wt.	<u>9.1</u> LCM <u>Trc</u> Vis. <u>44</u> WL <u>9.0</u>	Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>4017'</u>
Blow Description	<u>IF: Weak surface blow throughout.</u>				

FF: No return blow.

Recovery — Total Feet	<u>60'</u>	Ft. in DC	<u>60'</u>	Ft. in WP	___	Ft. in DP	___
Rec.	___ Feet Of	%gas	___	%oil	___	%water	___
Rec.	<u>60'</u> Feet Of <u>Drlg. Mud</u>	%gas	___	%oil	___	%water	___
Rec.	___ Feet Of	%gas	___	%oil	___	%water	___
Rec.	___ Feet Of	%gas	___	%oil	___	%water	___
Rec.	___ Feet Of	%gas	___	%oil	___	%water	___

BHT 124° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 2,600 ppm System

(A) Initial Hydrostatic Mud	<u>2303</u>	PSI	Recorder No.	<u>13376</u>	T-Started	<u>1330</u>
(B) First Initial Flow Pressure	<u>31</u>	PSI	@ (depth)	<u>4640</u>	T-Open	<u>1548</u>
(C) First Final Flow Pressure	<u>31</u>	PSI	Recorder No.	<u>13339</u>	T-Pulled	<u>1818</u>
(D) Initial Shut-in Pressure	<u>1210</u>	PSI	@ (depth)	<u>4645</u>	T-Out	<u>2045</u>
(E) Second Initial Flow Pressure	<u>52</u>	PSI	Recorder No.	___		
(F) Second Final Flow Pressure	<u>52</u>	PSI	@ (depth)	___		
(G) Final Shut-in Pressure	<u>1140</u>	PSI	Initial Opening	<u>30</u>	Test	<u>600</u>
(H) Final Hydrostatic Mud	<u>2283</u>	PSI	Initial Shut-in	<u>45</u>	Jars	<u>X 200</u>

Final Flow 30 Safety Joint X 50

Final Shut-in 45 Straddle ___

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Approved By Clyde Becker

Our Representative Rod Steinbrink

Circ. Sub X N/C

Sampler ___

Extra Packer ___

Elect. Rec. ___

Other ___

TOTAL PRICE \$ 850

6

TRILOBITE TESTING L.L.C.

OPERATOR : Becker Oil Corporation
 WELL NAME: Russell Trust #1
 LOCATION : 12-23S-32W, Finney Cty KS
 INTERVAL : 4843.00 To 4920.00 ft

DATE 09/19/96
 KB 2951.00 ft TICKET NO: 9536 DST #3
 GR 2940.00 ft FORMATION: St Louis
 TD 5025.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11058	11058	2330	11057		PF Fr. 0538 to 0608 hr
SI 60	Range(Psi)	4475.0	4475.0	0.0	4500.0	0.0	IS Fr. 0608 to 0708 hr
SF 30	Clock(hrs)	12	12	12	12		SF Fr. 0708 to 0738 hr
FS 60	Depth(ft)	4913.0	4913.0	4848.0	5022.0	0.0	FS Fr. 0738 to 0838 hr

	Field	1	2	3	4	
A. Init Hydro	2535.0	2522.0	0.0	2620.0	0.0	T STARTED 0245 hr
B. First Flow	66.0	64.0	0.0	0.0	0.0	T ON BOTM 0535 hr
B1. Final Flow	277.0	276.0	0.0	0.0	0.0	T OPEN 0538 hr
C. In Shut-in	1242.0	1237.0	0.0	0.0	0.0	T PULLED 0838 hr
D. Init Flow	333.0	319.0	0.0	0.0	0.0	T OUT 1120 hr
E. Final Flow	366.0	351.0	0.0	0.0	0.0	
F. Fl Shut-in	1231.0	1224.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2491.0	2493.0	0.0	2577.0	0.0	Tool Wt. 6000.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 38000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 84000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 602.00 ft
						D.P. Length 4386.00 ft

RECOVERY

Tot Fluid 750.00 ft of 602.00 ft in DC and 148.00 ft in DP
 90.00 ft of Slightly water cut mud - 15% water, 85% mud
 120.00 ft of Water cut mud - 30% water, 70% mud
 180.00 ft of Mud cut water - 80% water, 20% mud
 360.00 ft of Salt water - 100% water

RW .157 @ 60 F

SALINITY 54000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 .75" surface blow built to bottom of
 bucket in 25 minutes

Initial Shutin -
 Bled off blow, no return

Final Flow -
 Surface blow in 2 minutes, built to
 4.5"

Final Shutin -
 Bled off blow, no return

SAMPLES:

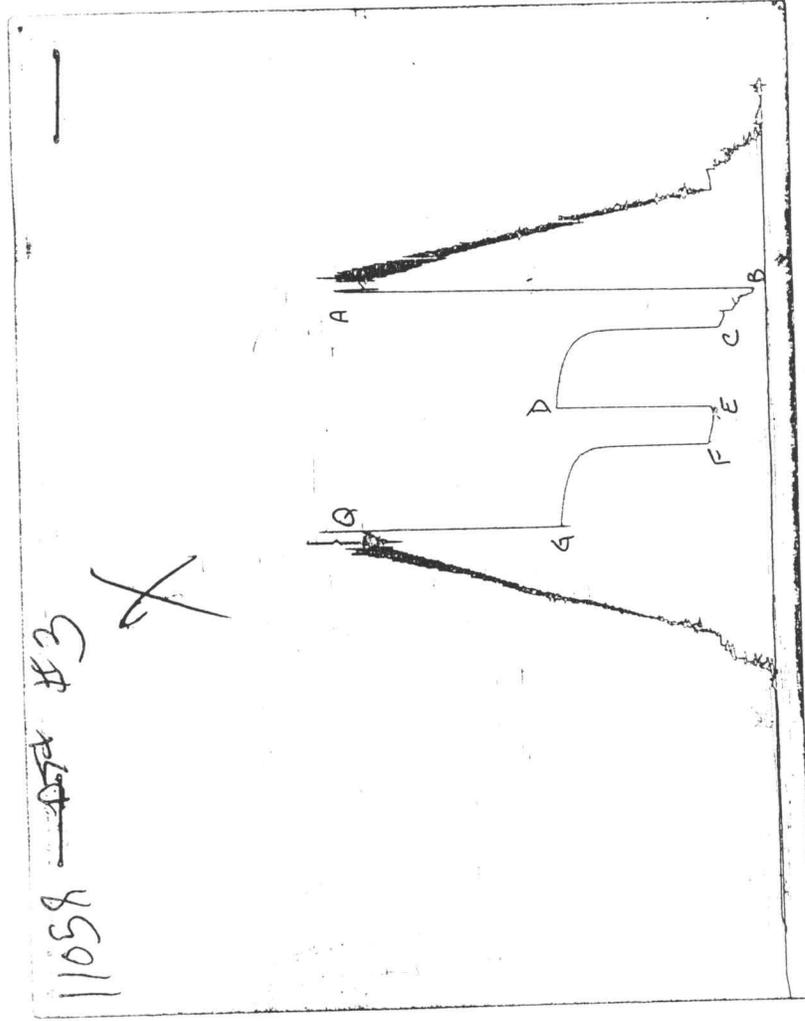
SENT TO:

Test Successful: Y

MUD DATA-----

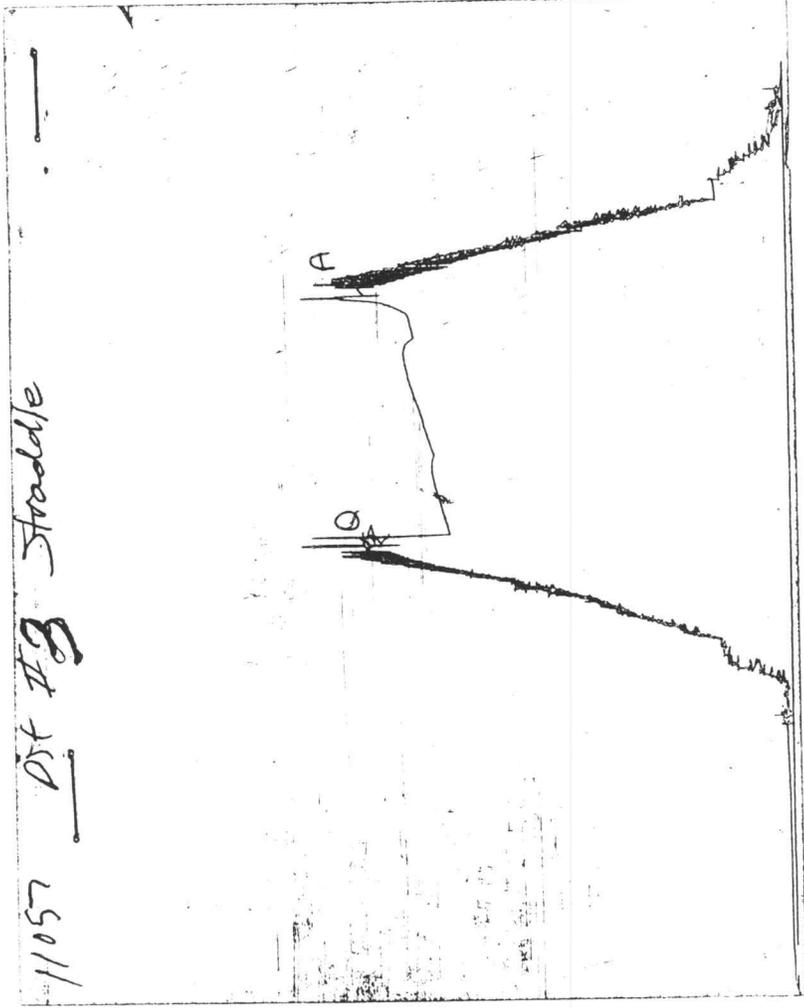
Mud Type	Chemical
Weight	9.00 lb/ct
Vis.	52.00 S/L
W.L.	9.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	Clyde Becker
Contr.	Cheyenne
Rig #	2
Unit #	
Pump T.	

CHART PAGE



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

CHART PAGE



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

*** TOOL DIAGRAM *** CONV

WELL NAME: Russell Trust #1

LOCATION : 12-23S-32W, Finney Cty KS

TICKET No. 9536 D.S.T. No. 3 DATE 09/19/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 15

BOTTOM PACKERS AND ANCHOR 105

TOTAL TOOL 147

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 209

D.C. ABOVE TOOLS.Stands Single Total 602

D.P. ABOVE TOOLS.Stands Single Total 4231

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5042

TOTAL DEPTH 5025

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

H	P.O. SUB	
H	C.O. SUB	4816
H	S.I. TOOL	4821
H		
H	HMV	4827
H	JARS	4832
H		
H	SAFETY JOINT	4834
H	PACKER	4838
H	PACKER	4843
H	DEPTH 4843	
H	STUBB	4844
H	ANCHOR	
H		
H	perf	
H		
H	AK-1 recorder drill pipe	4848
H		
H	AK-1 recorder	4913
H	perf	
H		
H	T.C. DEPTH	
H	PACKER	4920
H		
H	Stubb	4921
H		
H	drill pipe	
H		
H	AK-1 recorder	5022
H		
H	BULLNOSE Bull plug	
H	T.D.	5025

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9536

Well Name & No. Russell Trust #1 Test No. 3 Date 9-19-96
 Company Becker Oil Zone Tested St Louis
 Address 122 E Grand Suite 212 Ponca City, OK 74601 Elevation 2951 KB 2940 GL
 Co. Rep / Geo. Clyde Becker Cont. Cheyenne #2 Est. Ft. of Pay Por. %
 Location: Sec. 12 Twp. 23 Rge. 32 Co. Finnery State Ks
 No. of Copies None Distribution Sheet (Y, N) Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4843' - 4920' Initial Str Wt./Lbs. 7000 Unseated Str Wt./Lbs. 24000
 Anchor Length 77' Wt. Set Lbs. 38,000 Wt. Pulled Loose/Lbs. 10,000
 Top Packer Depth 4838' 4843' Tool Weight 6,000
 Bottom Packer Depth 4843' - 4920' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5025' Wt. Pipe Run Drill Collar Run 602'
 Mud Wt. 9.0 LCM #4 Vis. 52 WL 9.0 Drill Pipe Size 4 1/2 X 11 Ft. Run 4386'

Blow Description 3/4" surface blow built to B.O.P. in 25 min.

F.S.F: Bleed off Blow - No return

F.F: Surface Blow in 2 min built to 4 1/2" in.

F.S.F: Bleed off Blow - No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>90'</u>	Feet Of <u>Slightly water cut mud</u>	<u>602'</u>	<u>198'</u>			<u>15</u>	<u>85</u>
Rec. <u>120'</u>	Feet Of <u>water cut mud</u>					<u>30</u>	<u>70</u>
Rec. <u>180'</u>	Feet Of <u>mud cut water</u>					<u>80</u>	<u>20</u>
Rec. <u>360'</u>	Feet Of <u>Salt Water</u>					<u>100</u>	<u>Trace</u>
Rec. <u> </u>	Feet Of <u> </u>					<u> </u>	<u> </u>

BHT 119° °F Gravity °API D@ °F Corrected Gravity °API

RW .157 @ 60 °F Chlorides 54,000 ppm Recovery Chlorides 4,800 ppm System

(A) Initial Hydrostatic Mud 2535 PSI Recorder No. 2330 T-Started 02:45 AM

(B) First Initial Flow Pressure 66 PSI (depth) 4848' T-Open 05:38 AM

(C) First Final Flow Pressure 277 PSI Recorder No. 11058 T-Pulled 08:38 AM

(D) Initial Shut-in Pressure 1242 PSI (depth) 4913' T-Out 11:20 AM

(E) Second Initial Flow Pressure 333 PSI Recorder No. 1057

(F) Second Final Flow Pressure 366 PSI (depth) 5022'

(G) Final Shut-in Pressure 1231 PSI Initial Opening 30 Test 600

(H) Final Hydrostatic Mud 2491 PSI Initial Shut-in 60 Jars 200

Final Flow 30 Safety Joint 50

Final Shut-in 60 Straddle 250

Reamed / new packer Circ. Sub N/C

Sampler

Extra Packer 150

Elect. Rec.

Other

TOTAL PRICE \$ 1250

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Approved By Clyde Becker
Our Representative [Signature]

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