

WELL NAME: Johnson B-2
COMPANY: Raney Oil Company
LOCATION: Sec. 33 Twp. 6S Rge.24W
Graham County Kansas
DATE: 02/12/97

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company
WELL NAME: Johnson B-2
LOCATION : 33-6S-24W Graham KS
INTERVAL : 3458.00 To 3490.00 ft

DATE 2/9/96
KB 2246.00 ft TICKET NO: 9781 DST #1
GR 2238.00 ft FORMATION: Toranto
TD 3490.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10332	10332	24174			PF Fr. 0649 to 0734 hr
SI 60 Range(Psi)	4025.0	4025.0	3050.0	0.0	0.0	IS Fr. 0734 to 0834 hr
SF 45 Clock(hrs)	12 HR	12 HR	12HR			SF Fr. 0834 to 0919 hr
FS 60 Depth(ft)	3485.0	3485.0	3462.0	0.0	0.0	FS Fr. 0919 to 1019 hr

	Field	1	2	3	4	
A. Init Hydro	1692.0	1696.0	0.0	0.0	0.0	T STARTED 0534 hr
B. First Flow	132.0	113.0	0.0	0.0	0.0	T ON BOTM 0645 hr
B1. Final Flow	445.0	433.0	0.0	0.0	0.0	T OPEN 0649 hr
C. In Shut-in	781.0	765.0	0.0	0.0	0.0	T PULLED 1019 hr
D. Init Flow	496.0	481.0	0.0	0.0	0.0	T OUT 1143 hr
E. Final Flow	638.0	620.0	0.0	0.0	0.0	
F. Fl Shut-in	781.0	739.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1682.0	1649.0	0.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 52000.00 lbs
						Initial Str Wt 38000.00 lbs
						Unseated Str Wt 44000.00 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 0.00 ft
						D.P. Length 3464.00 ft

RECOVERY

Tot Fluid 1325.00 ft of 0.00 ft in DC and 1325.00 ft in DP
2.00 ft of Clean Oil
0.00 ft of
323.00 ft of Muddy Water with trace Oil
0.00 ft of 60% water 40% mud
0.00 ft of
1000.00 ft of Salt Water
0.00 ft of
0.00 ft of
SALINITY 70000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
2" blow building to bottom of bucket
in 5 mins

Initial Shut In:
Very weak surface blow

Final Flow:
1/8" blow building to bottom of bucket
in 5 mins. decreasing to 2" blow at
end of flow.

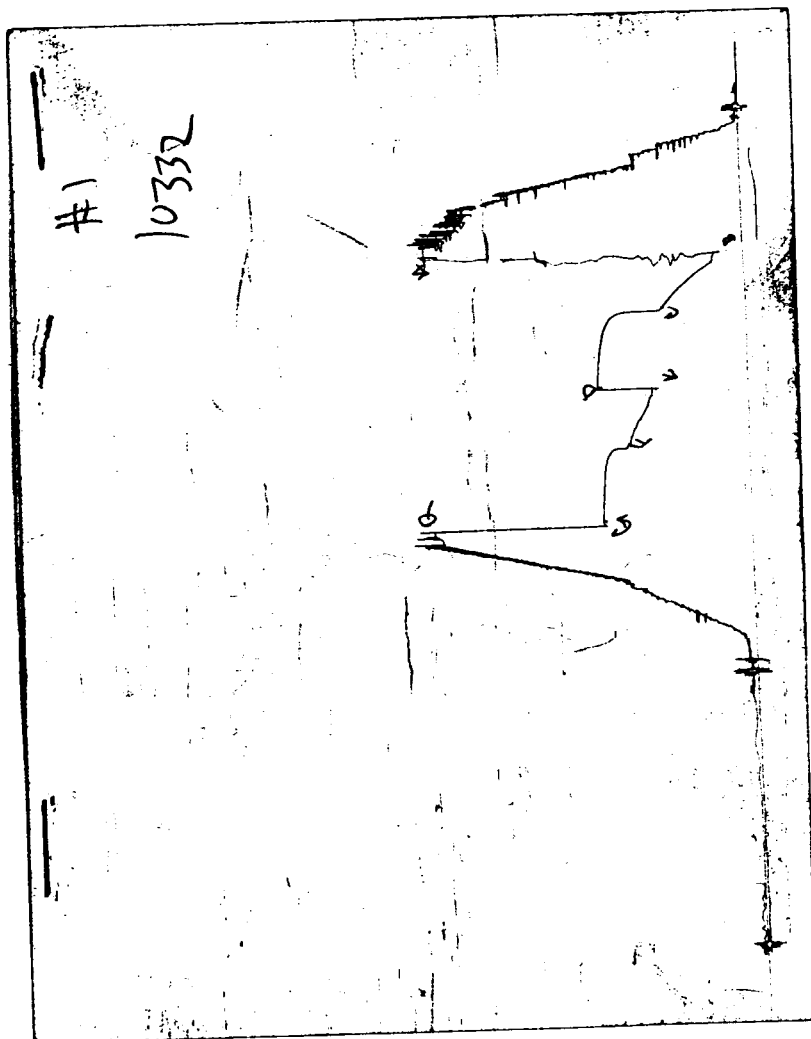
Final Shut In:
No Blow

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.30 lb/c
Vis. 45.00 S/L
W.L. 9.60 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 112.00 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 Paul Simpson
Co. Rep. Roger Welty
Contr. Duke
Rig # 1
Unit #
Pump T.

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company

DATE 2/09/97

WELL NAME: Johnson B-2

KB 2246.00 ft

TICKET NO: 9782

DST #2

LOCATION : 33-6S-24W Graham KS

GR 2238.00 ft

FORMATION: Lansing KC "A"

INTERVAL : 3488.00 To 3515.00 ft

TD 3515.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	10332	10332	24174			PF Fr. 2002 to 2047 hr
SI 60	Range(Psi)	4025.0	4025.0	3050.0	0.0	0.0	IS Fr. 2047 to 2147 hr
SF 45	Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 2147 to 2232 hr
FS 60	Depth(ft)	3510.0	3510.0	3492.0	0.0	0.0	FS Fr. 2232 to 2332 hr

	Field	1	2	3	4	
A. Init Hydro	1743.0	1726.0	0.0	0.0	0.0	T STARTED 1850 hr
B. First Flow	101.0	103.0	0.0	0.0	0.0	T ON BOTM 1955 hr
B1. Final Flow	375.0	362.0	0.0	0.0	0.0	T OPEN 2002 hr
C. In Shut-in	811.0	784.0	0.0	0.0	0.0	T PULLED 2332 hr
D. Init Flow	425.0	411.0	0.0	0.0	0.0	T OUT 0105 hr
E. Final Flow	516.0	496.0	0.0	0.0	0.0	
F. Fl Shut-in	781.0	747.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1682.0	1682.0	0.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 38000.00 lbs
						Unseated Str Wt 44000.00 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 0.00 ft
						D.P. Length 3496.00 ft

RECOVERY

Tot Fluid 1070.00 ft of 0.00 ft in DC and 1070.00 ft in DP

20.00 ft of Clean Oil

0.00 ft of

570.00 ft of Slight Oil and Mud Cut Water

0.00 ft of 2% oil 95% water 3% mud

0.00 ft of

480.00 ft of Salt Water

0.00 ft of

0.00 ft of

SALINITY 86000.00 P.P.M. A.P.I. Gravity 34.00

BLOW DESCRIPTION

Slid tool 6' before opening

Initial Flow:

2" blow building to bottom of bucket
in 1 minute

Initial Shut In:

Final Flow:

Surface blow building to bottom of
bucket in 1 minute

Final Shut In:

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	44.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill 0.00 ft

Btm. H. Temp. 112.00 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 Paul Simpson

Co. Rep. Roger Welty

Contr. Duke

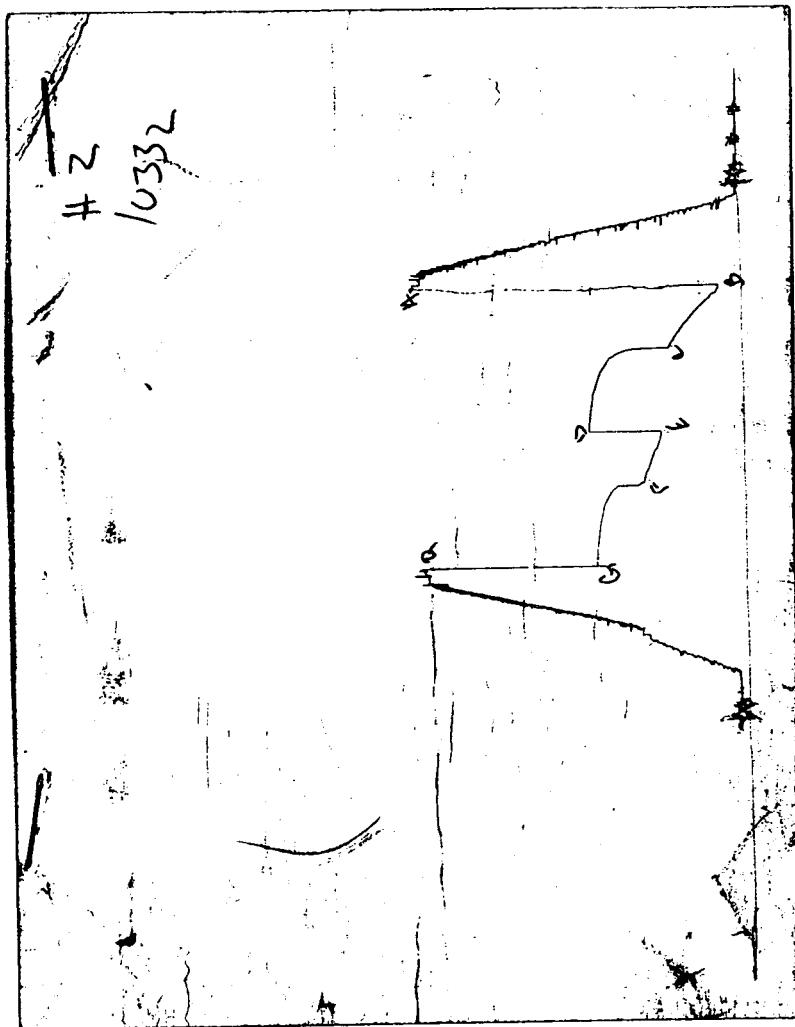
Rig # 1

Unit #

Pump T.

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Raney Oil Company
WELL NAME: Johnson B-2
LOCATION : 33-6S-24W Graham KS
INTERVAL : 3540.00 To 3580.00 ft

DATE 2/10/97
KB 2246.00 ft TICKET NO: 9783 DST #3
GR 2238.00 ft FORMATION: Lansing KC "E-F"
TD 3580.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10332	10332	24174			PF Fr. 1056 to 1141 hr
SI 60 Range(Psi)	4025.0	4025.0	3050.0	0.0	0.0	IS Fr. 1141 to 1241 hr
SF 45 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1241 to 1326 hr
FS 60 Depth(ft)	3575.0	3575.0	3544.0	0.0	0.0	FS Fr. 1326 to 1426 hr

	Field	1	2	3	4	
A. Init Hydro	1743.0	1773.0	0.0	0.0	0.0	T STARTED 0954 hr
B. First Flow	51.0	51.0	0.0	0.0	0.0	T ON BOTM 1050 hr
B1. Final Flow	71.0	66.0	0.0	0.0	0.0	T OPEN 1056 hr
C. In Shut-in	1044.0	1031.0	0.0	0.0	0.0	T PULLED 1426 hr
D. Init Flow	81.0	71.0	0.0	0.0	0.0	T OUT 1545 hr
E. Final Flow	101.0	84.0	0.0	0.0	0.0	
F. Fl Shut-in	1024.0	1004.0	0.0	0.0	0.0	
G. Final Hydro	1722.0	1700.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 120.00 ft of 0.00 ft in DC and 120.00 ft in DP
2.00 ft of Clean Oil
0.00 ft of
58.00 ft of Oil stained Mud 2% oil 98% mud
0.00 ft of
60.00 ft of Oil stained Watery Mud
0.00 ft of 2% oil 10% water 88% mud
0.00 ft of
0.00 ft of

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

BLOW DESCRIPTION

Slid tool 6' when opened

Initial Flow:

3" blow building to 6"

Initial Shut In:

No blow

Final Flow:

Very weak surface blow building to 3"

Initial Shut In:

SAMPLES:

SENT TO:

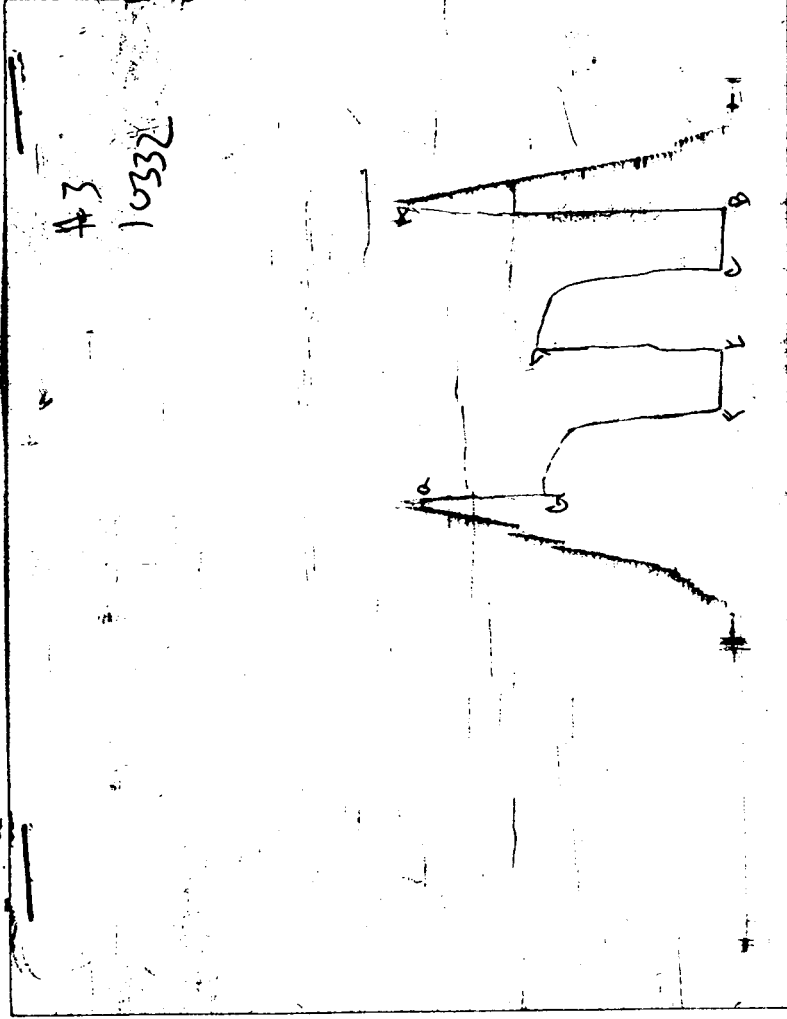
MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	46.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	108.00 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	Paul Simpson
Co. Rep.	Roger Welty
Contr.	Duke
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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