

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Computer Inventory
J.R. EWING

Well Name VIKING RESOURCES INC Test No. 1 Date 4/4/94
Company 105 S BROADWAY #1040 WICHITA KS 67202-4224 Zone KS CITY-140'
Address SCOTT OATSDEAN Elevation 2644 KB
Co. Rep./Geo. ABERCROMBIE RTD RIG #8 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested <u>4045-4080</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>35</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>633</u>
Top Packer Depth <u>4040</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4045</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>4080</u>	Viscosity <u>47</u> Filtrate <u>12</u>

Tool Open @ 9:15 AM Initial Blow WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 5 MINUTES
ISI: BLED OFF BLOW-VERY WEAK SURFACE BLOW FOR 20 MINUTES

Final Blow WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 9 MINUTES
FSI: BLED OFF BLOW - VERY WEAK SURFACE BLOW FOR 60 MINUTES

Recovery - Total Feet 1270 Flush Tool? NO

Rec. <u>150</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>340</u>	Feet of <u>GSY OIL & MUD CUT WTR-15%GAS/20%OIL/45%WTR/20%MUD</u>
Rec. <u>310</u>	Feet of <u>GSY OIL & MUD CUT WTR-15%GAS/10%OIL/50%WTR/10%MUD</u>
Rec. <u>620</u>	Feet of <u>GAS & OIL CUT MUDDY WTR-5%GAS/5%OIL/80%WTR/10%MUD</u>
Rec. _____	Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.2 @ 80 °F Chlorides 30000 ppm Recovery Chlorides 2100 ppm System

(A) Initial Hydrostatic Mud 2049.0 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 204.4 PSI @ (depth) 4050 w / Clock No. 25828

(C) First Final Flow Pressure 344.1 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 898.3 PSI @ (depth) 4077 w / Clock No. 26199

(E) Second Initial Flow Pressure 361.3 PSI AK1 Recorder No. _____ Range _____

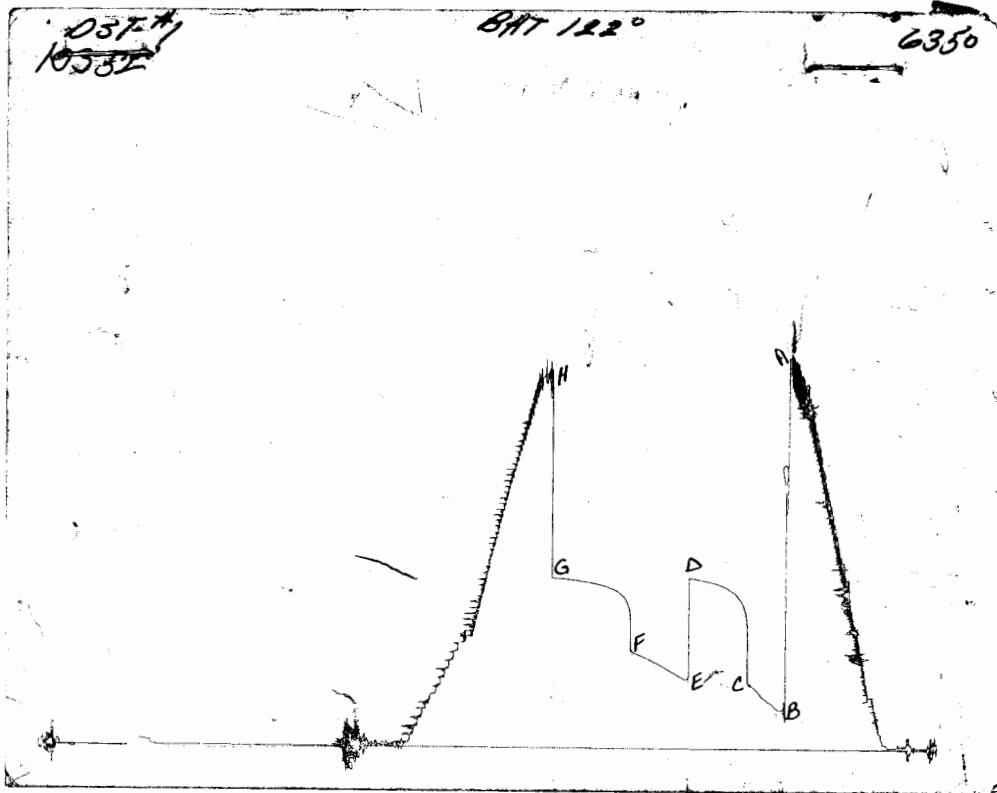
(F) Second Final Flow Pressure 505.1 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 895.3 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1988.4 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart #10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2058	2049
(B) FIRST INITIAL FLOW PRESSURE	202	204.4
(C) FIRST FINAL FLOW PRESSURE	344	344.1
(D) INITIAL CLOSED-IN PRESSURE	902	898.3
(E) SECOND INITIAL FLOW PRESSURE	374	361.3
(F) SECOND FINAL FLOW PRESSURE	506	505.1
(G) FINAL CLOSED-IN PRESSURE	902	895.3
(H) FINAL HYDROSTATIC MUD	2035	1988.4

CALCULATED RECOVERY ANALYSIS

DST

1

TICKET #

6350

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL 1	340	15	51	20	68	45	153	20	68
PIPE 2	297	15	44.55	10	29.7	50	148.5	10	29.7
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1	13	15	1.95	10	1.3	50	6.5	10	1.3
PIPE 2	620	5	31	5	31	80	496	10	62
3			0		0		0		0
4			0		0		0		0
DRILL 1			0		0		0		0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	1270		128.5		130		804		161

HRS OPEN BBL/DAY

BBL OIL= 1.615394 *

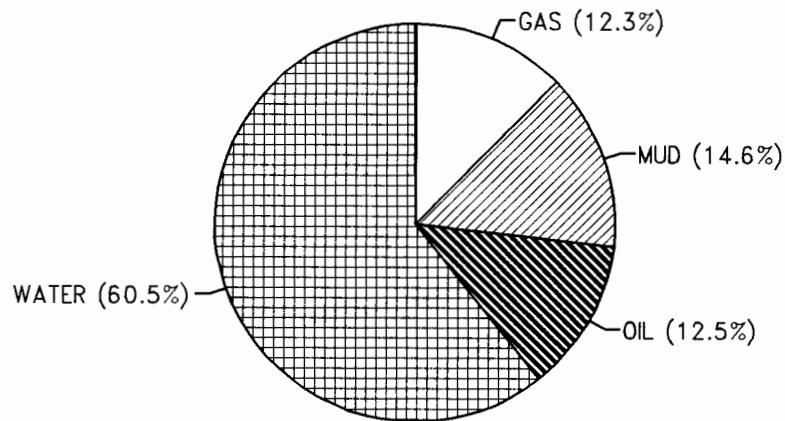
1.25 31.015565

BBL WATER= 7.80483 *

149.85274

BBL MUD= 1.883034

BBL GAS = 1.589371



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6350

Well Name & No. <u>J.R. Ewing #2</u>	Test No. <u>1</u>	Date <u>4-4-94</u>
Company <u>Viking Resources Inc.</u>	Zone Tested <u>KC 140'</u>	
Address <u>105 S. Broadway, Suite 1040 Wichita</u>	Elevation <u>2644 KB</u>	
Co. Rep./Geo. <u>Scott Oatsman</u>	Cont. <u>Abercrombie R10 R. 98</u>	Est. Ft. of Pay _____
Location: Sec. <u>7</u> Twp. <u>16S</u> Rge. <u>27W</u> Co. <u>LANE</u> State <u>KS</u>		
No. of Copies <u>3</u> Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____		

Interval Tested 4045 to 4080 Drill Pipe Size 4 1/2" XH
 Anchor Length 35 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4040 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4045 Wt. Pipe I.D. — 2.7 Ft. Run 633' XH
 Total Depth 4080 Drill Collar — 2.25 Ft. Run _____

Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 12

Tool Open @ 9:15 AM Initial Blow weak blow building to bottom of bucket in 5 min
151' bleed off blow - very wk surface blow for 20 mins

Final Blow weak blow building to bottom of bucket in 9 mins
151' bleed off blow - very wk surface blow for 60 mins

Recovery — Total Feet 1270 Feet of Gas in Pipe 150' Flush Tool? No

Rec. <u>340</u>	Feet Of <u>gassy oil/mud cut water</u>	<u>15%</u> gas	<u>20%</u> oil	<u>45%</u> water	<u>20%</u> mud
Rec. <u>310</u>	Feet Of <u>slightly gassy oil/mud cut water</u>	<u>15%</u> gas	<u>10%</u> oil	<u>50%</u> water	<u>10%</u> mud
Rec. <u>620</u>	Feet Of <u>very slightly gassy oil/mud cut water</u>	<u>5%</u> gas	<u>5%</u> oil	<u>80%</u> water	<u>10%</u> mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud

BHT 122° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW .2 @ 80 °F Chlorides 3000 ppm Recovery Chlorides 2100 ppm System

(A) Initial Hydrostatic Mud 2058 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 202 PSI @ (depth) 4050 w/Clock No. 25828

(C) First Final Flow Pressure 344 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-In Pressure 902 PSI @ (depth) 4077 w/Clock No. 26199

(E) Second Initial Flow Pressure 374 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 506 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 902 PSI Initial Opening 30 Test X 600.00

(H) Final Hydrostatic Mud 2038 PSI Initial Shut-In 46 Jars _____

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.

Final Flow 35 Safety Joint X 50.00

Final Shut-In 60 Straddle _____

Circ. Sub X NC

Sampler _____

Extra Packer _____

Other _____

Approved By Scott A. Oatsman

Our Representative Rob Wagner

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #2 Test No. 2 Date 4/4/94
Company VIKING RESOURCES INC Zone KS CITY-160'
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2644 KB
Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE RTD RIG #8 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested <u>4080-4120</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>40</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>633</u>
Top Packer Depth <u>4075</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4080</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>4120</u>	Viscosity <u>49</u> Filtrate <u>10</u>

Tool Open @ 11:07 PM Initial Blow VERY WEAK SURFACE BLOW BUILT TO 1/8" -DIED IN 20 MIN

Final Blow NO BLOW

Recovery - Total Feet 70 Flush Tool? NO

Rec. <u>70</u>	Feet of <u>DRILLING MUD WITH TRACE OF OIL-2%OIL/98%MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2096.0 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 53.6 PSI @ (depth) 4090 w / Clock No. 25828

(C) First Final Flow Pressure 61.7 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 1149.2 PSI @ (depth) 4117 w / Clock No. 26199

(E) Second Initial Flow Pressure 72.8 PSI AK1 Recorder No. _____ Range _____

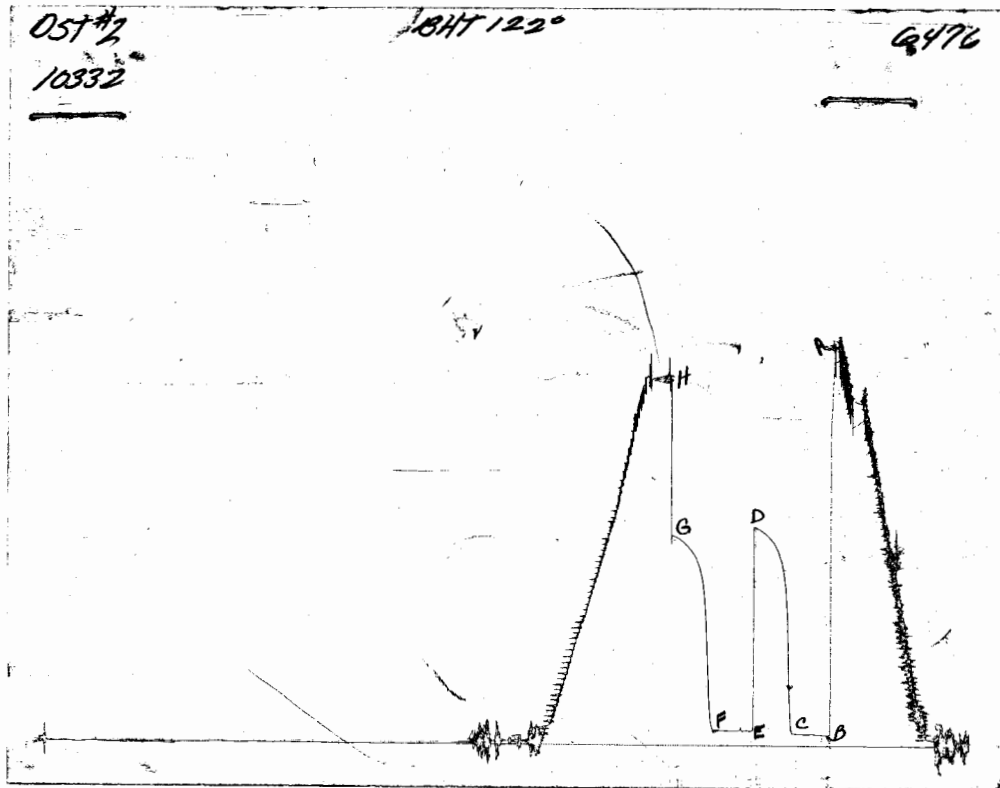
(F) Second Final Flow Pressure 79.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1101.8 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1943.7 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart #10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2098	2096
(B) FIRST INITIAL FLOW PRESSURE	50	53.6
(C) FIRST FINAL FLOW PRESSURE	50	61.7
(D) INITIAL CLOSED-IN PRESSURE	1155	1149.2
(E) SECOND INITIAL FLOW PRESSURE	70	72.8
(F) SECOND FINAL FLOW PRESSURE	70	79.8
(G) FINAL CLOSED-IN PRESSURE	1054	1101.8
(H) FINAL HYDROSTATIC MUD	2048	1943.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6476

Well Name & No. <u>J.R. Ewing #2</u>	Test No. <u>2</u>	Date <u>4-4-94</u>
Company <u>Viking Resources Inc.</u>	Zone Tested <u>KC 160'</u>	
Address <u>105 S. Broadway, Suite 1040 Wichita</u>	Elevation <u>2644 KB</u>	
Co. Rep./Geo. <u>Scott Oatsdon</u>	Cont. <u>Abraham Creek PUD #8</u>	Est. Ft. of Pay _____
Location: Sec. <u>7</u>	Twp. <u>16S</u>	Rge. <u>27W</u> Co. <u>Lawrence</u> State <u>KS</u>
No. of Copies <u>3</u>	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4080 to 4120 Drill Pipe Size 4 1/2" XH
 Anchor Length 40 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4075 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4080 Wt. Pipe I.D. — 2.7 Ft. Run 633' XH
 Total Depth 4120 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.1 lb / gal. Viscosity 49 Filtrate 10.0
 Tool Open @ 11:07 pm Initial Blow very weak surface blow 1/8" died in 20 mins.
 Final Blow No blow

Recovery — Total Feet 70' Feet of Gas in Pipe _____ Flush Tool? No
 Rec. 70 Feet Of delay mud surface of 9 1/8" %gas 2 %oil _____ %water 98 %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 122° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2098 PSI AK1 Recorder No. 6730 Range 4200
 (B) First Initial Flow Pressure 50 PSI @ (depth) 4090 w/Clock No. 25828
 (C) First Final Flow Pressure 50 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 1155 PSI @ (depth) 4117 w/Clock No. 26199
 (E) Second Initial Flow Pressure 70 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 70 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1054 PSI Initial Opening 30 Test & 600.00
 (H) Final Hydrostatic Mud 2048 PSI Initial Shut-In 30 Jars 50.00

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Approved By Scott A. Oatsdon
 Our Representative Pete Waggoner

Final Flow 30 Safety Joint 50.00
 Final Shut-In 30 Straddle _____
 Circ. Sub XALC
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 650.00

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #2 Test No. 3 Date 4/5/94
Company VIKING RESOURCES INC Zone KS CITY-180'
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2644 KB
Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE RTD RIG #8 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested <u>4120-4150</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>30</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>633</u>
Top Packer Depth <u>4115</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4120</u>	Mud Wt. <u>9.4</u> lb/Gal.
Total Depth <u>4150</u>	Viscosity <u>48</u> Filtrate <u>12</u>

Tool Open @ 1:05 PM Initial Blow WEAK BLOW BUILDING TO 5"
ISI: BLED OFF BLOW- VERY WEAK RETURN-(1/2")
Final Blow WEAK BLOW BUILDING TO 3"
FSI: BLED OFF BLOW-VERY WEAK SURFACE BLOW (1/8")

Recovery - Total Feet 65 Flush Tool? NO

Rec. 60 Feet of GAS IN PIPE
Rec. _____ Feet of _____
Rec. 65 Feet of VERY SLIGHTLY GAS & OIL CUT MUD-2%GAS/8%OIL/90%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2068.0 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 38.4 PSI @ (depth) 4125 w / Clock No. 25828

(C) First Final Flow Pressure 48.5 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 938.9 PSI @ (depth) 4147 w / Clock No. 26199

(E) Second Initial Flow Pressure 61.7 PSI AK1 Recorder No. _____ Range _____

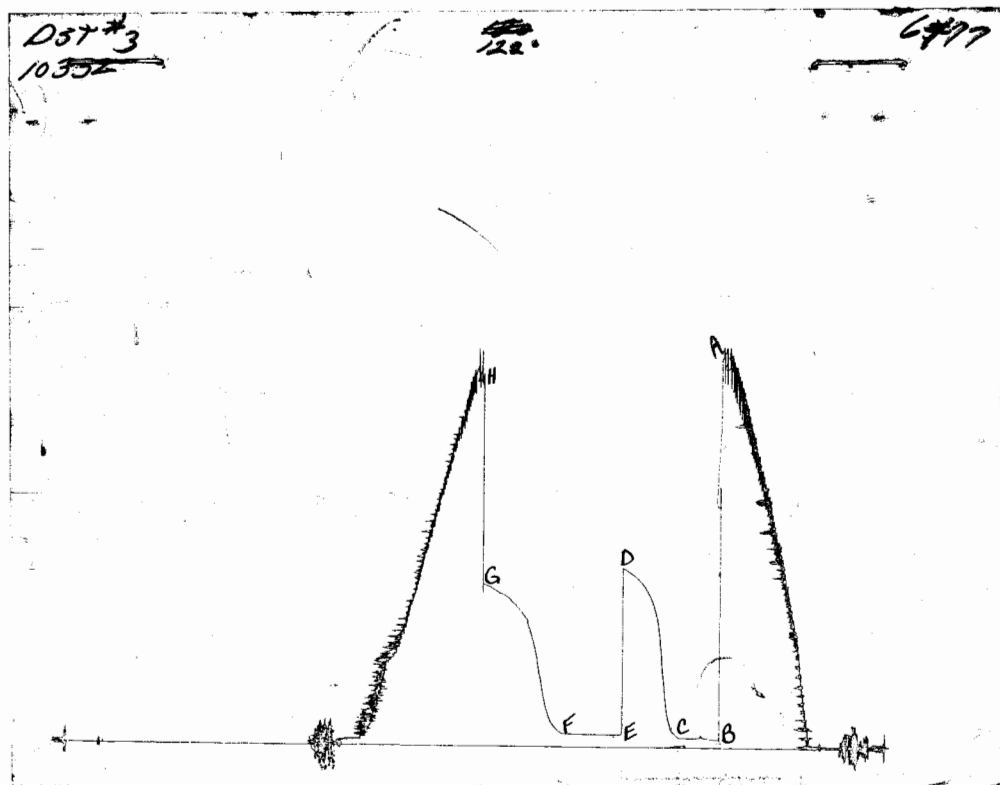
(F) Second Final Flow Pressure 65.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 852.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1953.9 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart #10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2098	2068
(B) FIRST INITIAL FLOW PRESSURE	40	38.4
(C) FIRST FINAL FLOW PRESSURE	50	48.5
(D) INITIAL CLOSED-IN PRESSURE	953	938.9
(E) SECOND INITIAL FLOW PRESSURE	60	61.7
(F) SECOND FINAL FLOW PRESSURE	60	65.7
(G) FINAL CLOSED-IN PRESSURE	851	852.6
(H) FINAL HYDROSTATIC MUD	2078	1953.9

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

DST #

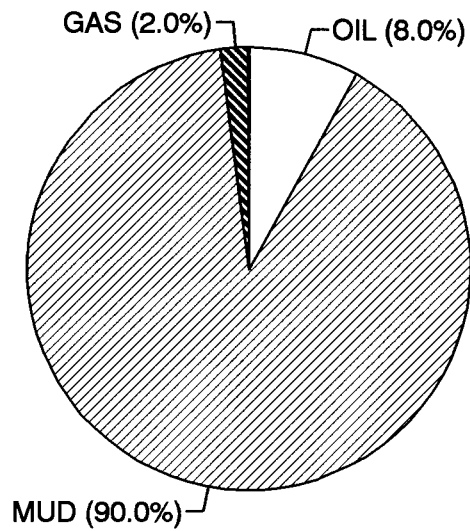
3

TICKET #

6477

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	65	2	1.3	8	5.2	0	0	90	58.5
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	65	2	1.3	8	5.2	0	0	90	58.5

			HRS OPEN	BBL/DAY
BBL OIL=	0.0364	*	1.25	0.69888
BBL WATER=	0	*		0
BBL MUD=	0.4095			
BBL GAS=	0.0091			



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6477

Well Name & No. <u>J.R. Ewing #2</u>	Test No. <u>3</u>	Date <u>4-5-94</u>
Company <u>Viking Resources Inc.</u>	Zone Tested <u>KC 180</u>	
Address <u>105 S Broadway Suite 1040 Wichita Ks.</u>	Elevation <u>2644 KB</u>	
Co. Rep./Geo. <u>Scott Oakden</u>	Cont. <u>Abraham R. 8</u>	Est. Ft. of Pay
Location: Sec. <u>7</u> Twp. <u>16S</u> Rge. <u>27W</u> Co. <u>LANE</u> State <u>KS</u>		
No. of Copies <u>3</u> Distribution Sheet <u>Yes</u> No <u>Turnkey</u> Yes <u>No</u> Evaluation		

Interval Tested <u>4120 to 4150</u>	Drill Pipe Size <u>4 1/2" XH</u>
Anchor Length <u>30</u>	Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth <u>4115</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4120</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>633' XH</u>
Total Depth <u>4130</u>	Drill Collar — 2.25 Ft. Run <u>—</u>

Mud Wt. <u>9.4</u> lb/gal.	Viscosity <u>48</u>	Filtrate <u>12.0</u>
Tool Open @ <u>1:05 pm</u>	Initial Blow <u>weak blow building to 5"</u>	
	<u>151- bled off blow - very weak return 1/2"</u>	
	Final Blow <u>weak blow building to 3"</u>	
	<u>151- bled off blow - very weak surface blow 1/4"</u>	
Recovery — Total Feet <u>65'</u>	Feet of Gas in Pipe <u>60'</u>	Flush Tool? <u>No</u>

Rec. <u>65</u> Feet Of <u>very slightly gas foiled mud</u>	%gas <u>2</u>	%Oil <u>8</u>	%water <u>—</u>	%mud <u>90</u>
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 _____ °F Gravity _____	°API @ _____	°F Corrected Gravity _____	°API
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides _____ ppm System	

(A) Initial Hydrostatic Mud <u>2098</u>	PSI Ak1 Recorder No. <u>6730</u>	Range <u>4200</u>
(B) First Initial Flow Pressure <u>40</u>	PSI @ (depth) <u>4125</u>	w/Clock No. <u>25828</u>
(C) First Final Flow Pressure <u>50</u>	PSI Ak1 Recorder No. <u>10332</u>	Range <u>4050</u>
(D) Initial Shut-In Pressure <u>953</u>	PSI @ (depth) <u>4147</u>	w/Clock No. <u>26199</u>
(E) Second Initial Flow Pressure <u>60</u>	PSI Ak1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>60</u>	PSI @ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>851</u>	PSI Initial Opening <u>30</u>	Test <u>X</u> <u>1000.00</u>
(H) Final Hydrostatic Mud <u>2098</u>	PSI Initial Shut-In <u>45</u>	Jars <u>1</u>

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Final Flow <u>45</u>	Safety Joint <u>X</u> <u>50.00</u>
Final Shut-In <u>60</u>	Straddle _____

Approved By Scott A. Oakden

Our Representative Pat Waggoner

Circ. Sub 9 N/C
 Sampler _____
 Extra Packer _____
 Other _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #2 Test No. 4 Date 4/6/94
Company VIKING RESOURCES INC Zone KS CITY-200'
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2644 KB
Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE RTD RIG #8 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested	<u>4150-4170</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>20</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>633</u>
Top Packer Depth	<u>4145</u>	Drill Collar - 2.25 Ft. Run	
Bottom Packer Depth	<u>4150</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>4170</u>	Viscosity	<u>48</u>
		Filtrate	<u>12</u>

Tool Open @ 2:15 AM Initial Blow WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 35 MIN
ISI: BLED OFF BLOW-WEAK RETURN BUILDING TO BOTTOM OF BUCKET IN 17 MINUTES
Final Blow STRONG BLOW-BOTTOM OF BUCKET
FSI: BLED OFF BLOW-WEAK RETURN BUILDING TO BOTTOM OF BUCKET IN 12 MINUTES

Recovery - Total Feet 726 Flush Tool? NO

Rec. <u>1445</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>403</u>	Feet of	<u>CLEAN GASSY OIL-15% GAS/ 85% OIL</u>
Rec. <u>124</u>	Feet of	<u>GSY OIL & WTR CUT MUD-20%GAS/20%OIL/10%WTR/50%MUD</u>
Rec. <u>199</u>	Feet of	<u>SLTLY MUD CUT WATER W/ SHOW OF OIL-1%OIL/97%WTR/2%MUD</u>
Rec. _____	Feet of	_____

BHT 124 °F Gravity 36 °API @ 40 °F Corrected Gravity 37 °API
RW 0.2 @ 50 °F Chlorides 50000 ppm Recovery Chlorides 5600 ppm System

(A) Initial Hydrostatic Mud 2089.0 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 57.6 PSI @ (depth) 4155 w / Clock No. 25828

(C) First Final Flow Pressure 161.9 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 1087.7 PSI @ (depth) 4167 w / Clock No. 26199

(E) Second Initial Flow Pressure 183.1 PSI AK1 Recorder No. _____ Range _____

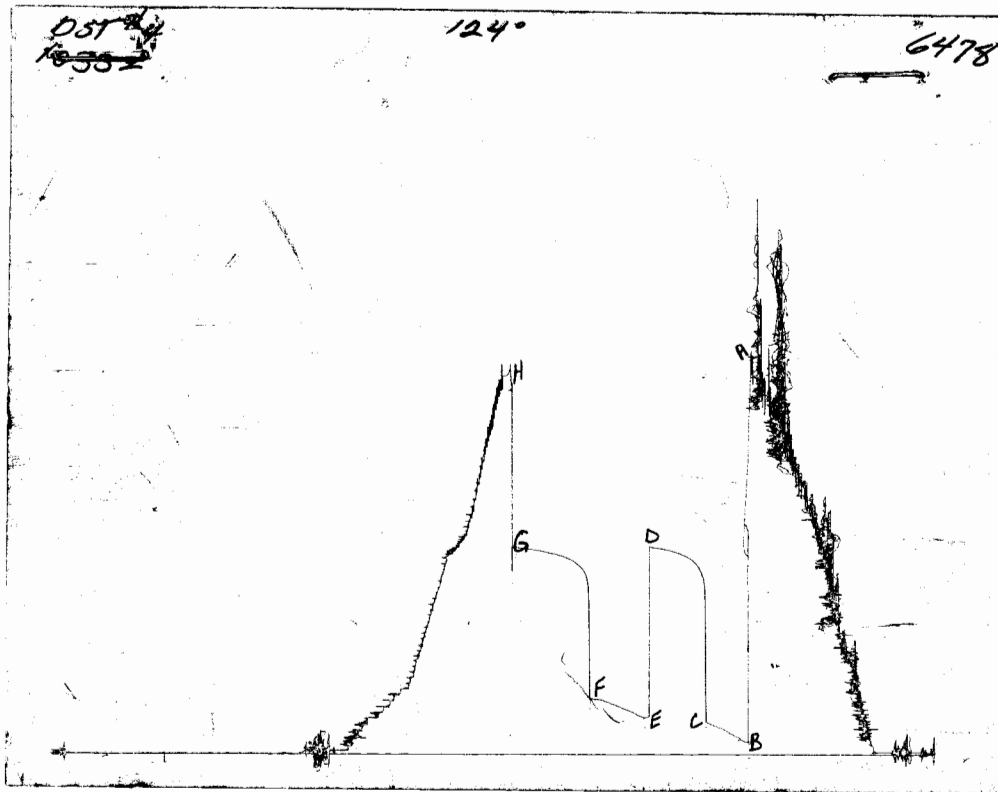
(F) Second Final Flow Pressure 285.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1080.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2010.7 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart #10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2098	2089
(B) FIRST INITIAL FLOW PRESSURE	80	57.6
(C) FIRST FINAL FLOW PRESSURE	121	161.9
(D) INITIAL CLOSED-IN PRESSURE	1094	1087.7
(E) SECOND INITIAL FLOW PRESSURE	192	183.1
(F) SECOND FINAL FLOW PRESSURE	303	285.4
(G) FINAL CLOSED-IN PRESSURE	1094	1080.6
(H) FINAL HYDROSTATIC MUD	2068	2010.7

COMPUTER OIL EVALUATION BY TRILOBITE TESTING, L.L.C.

VIKING RESOURCES INC

J.R. EWING #2

DST 4

7

16S

27W

LANE KS

ELEVATION:	2644 KB	EST. PAY	4 FT
DATUM:	-1524	ZONE TESTED:	KS CITY-200'
TEST INTERVAL:	4150-4170	TIME INTERVALS:	30-45-45-60
RECORDER DEPTH:	4167	VISCOSITY:	4.29 CP
BOTTOM HOLE TEMP:	124	HOLE SIZE:	7.875 IN

CUBIC FEET OF GAS IN PIPE:	115		
TOTAL FEET OF RECOVERY:	726.00	CORRECTED PIPE FILLUP:	784.066
TOTAL BARRELS OF RECOVERY:	5.75	CORR. BARRELS OF RECOVERY:	6.578 BBL
BARRELS IN DRILL PIPE:	1.32	API GRAVITY:	37
BARRELS IN WEIGHT PIPE:	4.43	FLUID GRADIENT:	0.364
BARRELS IN DRILL COLLARS:	0.00		
GAS OIL RATIO:	20.05	CU.FT/BBL	
BUBBLE POINT PRESSURE:	150		
UNCORRECTED INITIAL PRODUCTION:			110.47 BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:			126.30 BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:			65.407

INITIAL SLOPE	273.75 PSI/CYCL	FINAL SLOPE	150.43 PSI/CYCLE
INITIAL P*	1148.43 PSI	FINAL P*	1133.58 PSI

TRANSMISSIBILITY	136.52 (MD.-FT./CP.)
PERMEABILITY	146.52 (MD.)
INDICATED FLOW CAPACITY	586.08 (MD.FT)
PRODUCTIVITY INDEX	0.15 (BARREL/DAY/PSI)
DAMAGE RATIO	1.03
RADIUS OF INVESTIGATION	104.83 (FT,)
POTENTIOMETRIC SURFACE	1105.77 (FT.)
DRAWDOWN FACTOR	1.293 (%)
THEORETICAL POTENTIAL FROM FINAL FLOW PRESSURE	130.32
THEORETICAL POTENTIAL FROM PSEUDO STEADY FLOW STATE	67.49

CALCULATED RECOVERY ANALYSIS

DST

1

TICKET #

6615

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	93	15	13.95	85	79.05	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1	310	15	46.5	85	263.5	0	0	0	0
PIPE 2	124	20	24.8	20	24.8	10	12.4	50	62
3	199	0	0	1	1.99	97	193.03	2	3.98
4			0		0		0		0
DRILL 1			0		0		0		0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	726		85.25		369.34		205.43		65.98

HRS OPEN BBL/DAY

BBL OIL= 3.156121 *

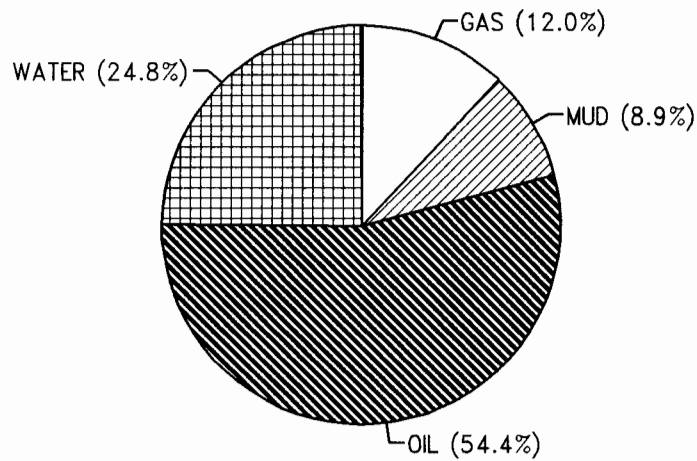
1.25 60.597523

BBL WATER= 1.43801 *

27.609792

BBL MUD= 0.514644

BBL GAS = 0.697469



J.R.EWING #2
INITIAL

DST #4 SHUTIN		-----			
30	INITIAL FLOW TIME	SLOPE	273.8	PSI/CYCLE	
		P*	1148.43	PSI	

		Log	<>		
TIME(MIN)	Pws (psi)	Horn T	PRESSURE	Horn T	
-----	-----	-----	-----	-----	
3	914.6	1.041	914.6	11	
6	975.5	0.778	60.9	6	
9	1000.9	0.637	25.4	4	
12	1019.1	0.544	18.2	4	
15	1031.2	0.477	12.1	3	
18	1039.3	0.426	8.1	3	
21	1049.4	0.385	10.1	2	
24	1057.4	0.352	8.0	2	
27	1063.5	0.325	6.1	2	
30	1068.5	0.301	5.0	2	
33	1073.6	0.281	5.1	2	
36	1076.6	0.263	3.0	2	
X 39	1080.6	0.248	4.0	2	
42	1083.6	0.234	3.0	2	
X 45	1087.7	0.222	4.1	2	

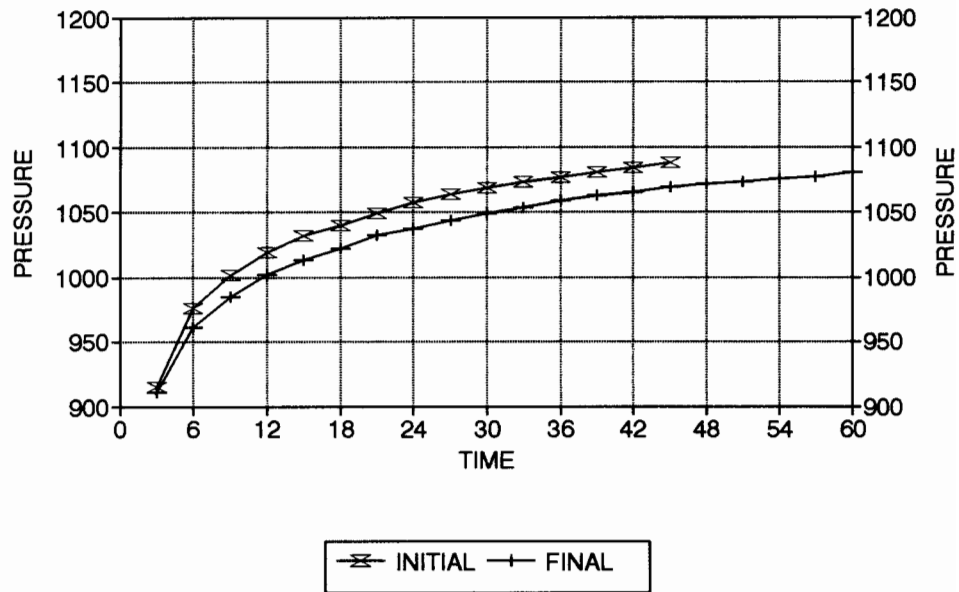
J.R.EWING #2
FINAL

DST #4 SHUTIN		-----			
75	TOTAL FLOW TIME	SLOPE	150.4	PSI/CYCLE	
		P*	1133.6	PSI	

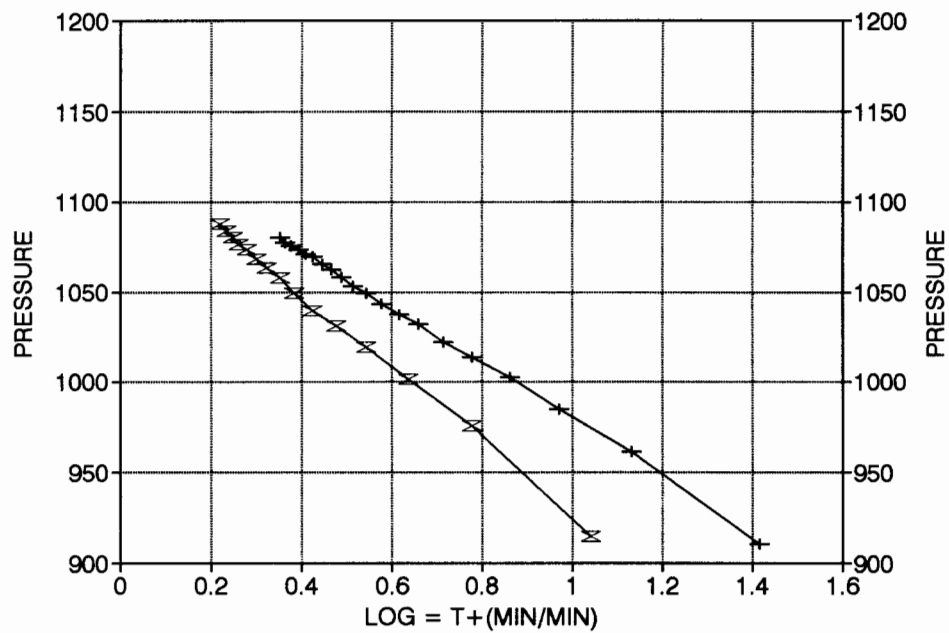
		Log	<>		
		Horn T	PRESSURE	Horn T	
		-----	-----	-----	
	3	910.5	1.415	910.5	26
	6	961.3	1.130	50.8	14
	9	984.6	0.970	23.3	9
	12	1001.9	0.860	17.3	7
	15	1013.1	0.778	11.2	6
	18	1022.1	0.713	9.0	5
	21	1032.2	0.660	10.1	5
	24	1037.3	0.615	5.1	4
	27	1043.3	0.577	6.0	4
	30	1049.4	0.544	6.1	4
	33	1053.4	0.515	4.0	3
	36	1058.4	0.489	5.0	3
	39	1062.5	0.466	4.1	3
	42	1065.5	0.445	3.0	3
X	45	1069.5	0.426	4.0	3
	48	1071.5	0.409	2.0	3
	51	1073.6	0.393	2.1	2
	54	1075.6	0.378	2.0	2
	57	1077.6	0.365	2.0	2
X	60	1080.6	0.352	3.0	2

J.R. EWING #2 / DST #4

DELTA T DELTA P



HORNER PLOT



INITIAL FLOW

RECORDER 10332

DST # 4

TIME(MIN) PRESSURE <> PRESSURE

0	57.6	57.6
3	60.7	3.1
6	75.9	15.2
9	86.0	10.1
12	96.1	10.1
15	108.3	12.2
18	119.4	11.1
21	130.5	11.1
24	138.6	8.1
27	144.7	6.1
30	151.8	7.1
33	161.9	10.1

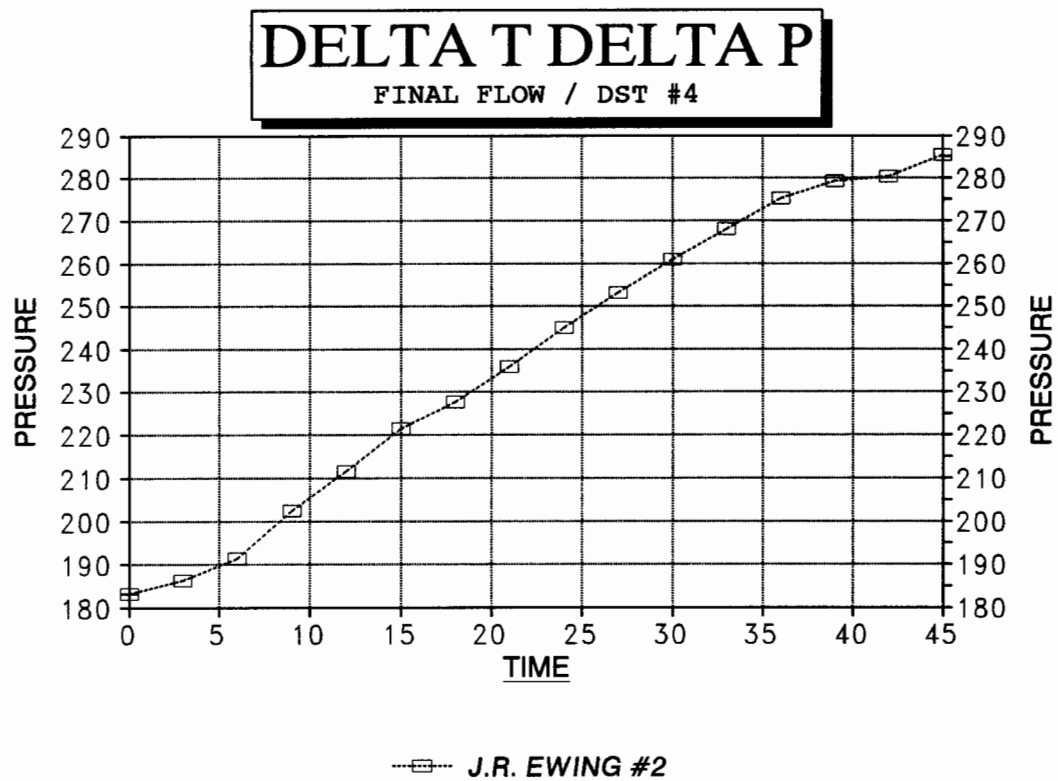
FINAL FLOW

RECORDER 10332

DST # 4

TIME(MIN) PRESSURE <> PRESSURE

0	183.1	183.1
3	186.2	3.1
6	191.2	5.0
9	202.4	11.2
12	211.5	9.1
15	221.6	10.1
18	227.7	6.1
21	235.8	8.1
24	244.9	9.1
27	253.0	8.1
30	261.1	8.1
33	268.2	7.1
36	275.3	7.1
39	279.3	4.0
42	280.3	1.0
45	285.4	5.1



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

65.407

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6478

Well Name & No. <u>J.R. Ewing #2</u>	Test No. <u>4</u>	Date <u>4-8-94</u>
Company <u>Viking Resources Inc.</u>	Zone Tested <u>KC 200</u>	
Address <u>105 S Broadway Suite 1040 Wichita Ks</u>	Elevation <u>2644 KB</u>	
Co. Rep./Geo. <u>Scott Oakesdon</u>	Cont <u>Abacrambie R.</u>	Est. Ft. of Pay
Location: Sec. <u>7</u>	Twp. <u>16s</u>	Rge. <u>27W</u> Co. <u>Kans</u> State <u>Ks</u>
No. of Copies <u>3</u>	Distribution Sheet	Yes ☐ No ☐ Turnkey Yes ☐ No ☐ Evaluation

Interval Tested <u>4150 to 4170</u>	Drill Pipe Size <u>4 1/2" xH</u>
Anchor Length <u>20'</u>	Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth <u>4145</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4150</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>633 xH</u>
Total Depth <u>4170</u>	Drill Collar — 2.25 Ft. Run
Mud Wt. <u>9.4</u> lb/gal.	Viscosity <u>48</u> Filtrate <u>12.0</u>
Tool Open @ <u>2:15 pm</u> Initial Blow <u>weak blow building to bottom of bucket in 3.5 min</u>	
<u>151- blsd off blow - weak return building to bottom of bucket in 17 min</u>	
Final Blow <u>strong blow bottom of bucket</u>	
<u>FS1- blsd off blow - weak return building to bottom of bucket in 12 min.</u>	
Recovery — Total Feet <u>726'</u>	Feet of Gas in Pipe <u>1445'</u> Flush Tool? <u>No.</u>
Rec. <u>403</u> Feet Of <u>clean gassy oil</u>	<u>15% gas 85% oil</u> — %water — %mud
Rec. <u>124</u> Feet Of <u>gassy oil cut mud & some water</u>	<u>0% gas 20% oil 10% water 50% mud</u>
Rec. <u>199</u> Feet Of <u>very slightly milky oil</u>	<u>1% gas 1% oil 97% water 2% mud</u>
Rec. _____ Feet Of _____	_____ %gas _____ %oil _____ %water _____ %mud
Rec. _____ Feet Of _____	_____ %gas _____ %oil _____ %water _____ %mud
BHT <u>124°</u> °F Gravity <u>36</u> °API @ <u>40</u> °F Corrected Gravity <u>37</u> °API	
RW <u>2</u> @ <u>50</u> °F Chlorides <u>5000</u> ppm Recovery Chlorides <u>5600</u> ppm System	
(A) Initial Hydrostatic Mud <u>2098</u> PSI	Ak1 Recorder No. <u>6730</u> Range <u>4200</u>
(B) First Initial Flow Pressure <u>80</u> PSI	@ (depth) <u>4155</u> w/Clock No. <u>25828</u>
(C) First Final Flow Pressure <u>121</u> PSI	Ak1 Recorder No. <u>10332</u> Range <u>4050</u>
(D) Initial Shut-In Pressure <u>1094</u> PSI	@ (depth) <u>4167</u> w/Clock No. <u>26199</u>
(E) Second Initial Flow Pressure <u>192</u> PSI	Ak1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure <u>303</u> PSI	@ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure <u>1094</u> PSI	Initial Opening <u>30</u> Test <u>X</u> <u>600.00</u>
(H) Final Hydrostatic Mud <u>2068</u> PSI	Initial Shut-In <u>45</u> Jars _____

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Approved By Lt A Ostrum

Our Representative Bob Waggoner

Printcraft Printers - Hays, KS

Final Flow 45 Safety Joint 50.00
 Final Shut-In 60 Straddle _____
 Circ. Sub X H C
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #2 Test No. 5 Date 4/6/94
Company VIKING RESOURCES INC Zone KS CITY-220'
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2644 KB
Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE RTD RIG #8 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested	<u>4180-4200</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>20</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>633</u>
Top Packer Depth	<u>4175</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>4180</u>	Mud Wt.	<u>9.1</u> lb/Gal.
Total Depth	<u>4200</u>	Viscosity	<u>47</u> Filtrate <u>8</u>

Tool Open @ 3:22 PM Initial Blow WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 9 MIN
ISI: BLED OFF BLOW-NO RETURN

Final Blow WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 5 MINUTES
FSI: BLED OFF BLOW-NO RETURN

Recovery - Total Feet 80 Flush Tool? NO

Rec. <u>295</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>15</u>	Feet of	<u>CLEAN GASSY OIL-5% GAS/ 95% OIL</u>
Rec. <u>65</u>	Feet of	<u>SLTLY MUD CUT GASSY OIL- 18% GAS/ 62% OIL/ 20% MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 124 °F Gravity 37 °API @ 60 °F Corrected Gravity 37 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2093.0 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 40.4 PSI @ (depth) 4185 w / Clock No. 25828

(C) First Final Flow Pressure 49.5 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 1067.5 PSI @ (depth) 4197 w / Clock No. 26199

(E) Second Initial Flow Pressure 63.7 PSI AK1 Recorder No. _____ Range _____

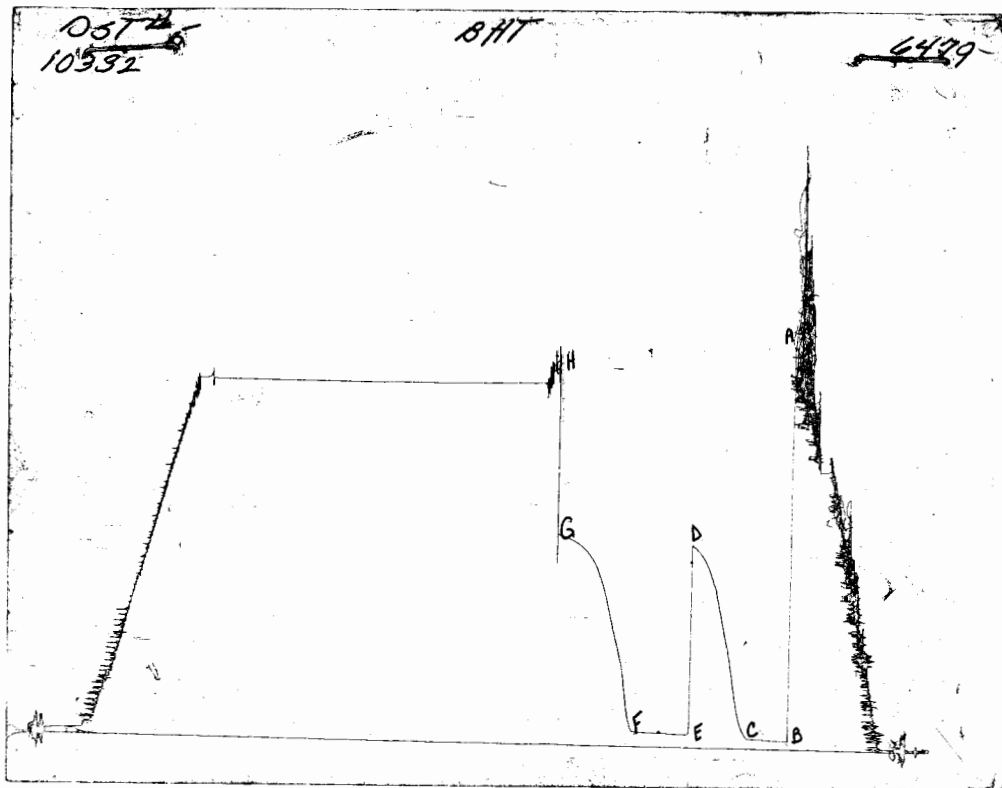
(F) Second Final Flow Pressure 79.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1109.8 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2088.0 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart #10332

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2098	2093
(B) FIRST INITIAL FLOW PRESSURE	50	40.4
(C) FIRST FINAL FLOW PRESSURE	50	49.5
(D) INITIAL CLOSED-IN PRESSURE	1104	1067.5
(E) SECOND INITIAL FLOW PRESSURE	70	63.7
(F) SECOND FINAL FLOW PRESSURE	80	79.9
(G) FINAL CLOSED-IN PRESSURE	1114	1109.8
(H) FINAL HYDROSTATIC MUD	2078	2088

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

DST #

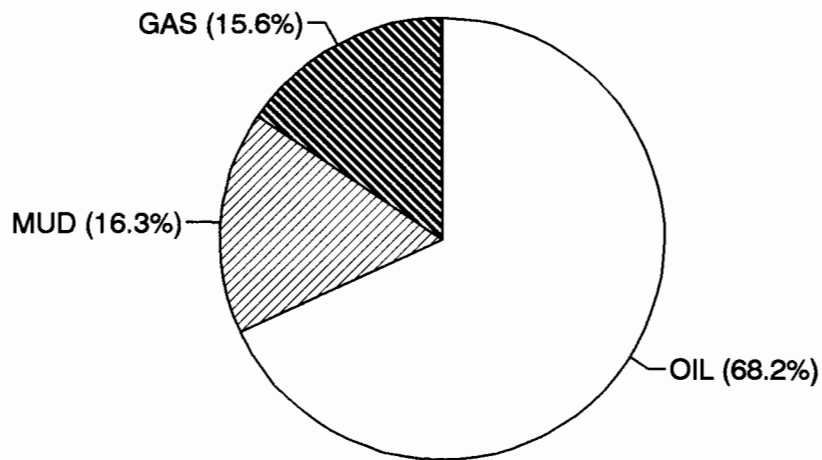
5

TICKET #

6479

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	15	5	0.75	95	14.25	0	0	0	0
2	65	18	11.7	62	40.3	0	0	20	13
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	80	15.56	12.45	68.1875	54.55	0	0	16.25	13

			HRS OPEN	BBL/DAY
BBL OIL=	0.38185	*	1.25	7.33152
BBL WATER=	0	*		0
BBL MUD=	0.091			
BBL GAS=	0.08715			



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6479

Well Name & No. <u>J.R. Ewing #2</u>	Test No. <u>5</u>	Date <u>4-6-94</u>
Company <u>Viking Resources Inc.</u>	Zone Tested <u>KC 220</u>	
Address <u>1055 Broadway Suite 1040 Wichita KS</u>	Elevation <u>2644 KB</u>	
Co. Rep./Geo. <u>Scott Osterman</u>	Cont. <u>Abacombis RD Rq8</u>	Est. Ft. of Pay
Location: Sec. <u>7</u> Twp. <u>16S</u> Rge. <u>27W</u> Co. <u>LANS</u> State <u>KS</u>		
No. of Copies <u>3</u> Distribution Sheet	Yes ☐ No ☐ Turnkey	Yes ☐ No ☐ Evaluation

Interval Tested <u>4180 to 4200</u>	Drill Pipe Size <u>4 1/2" XH</u>
Anchor Length <u>20</u>	Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth <u>4125</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4180</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>633 XH</u>
Total Depth <u>4200</u>	Drill Collar — 2.25 Ft. Run
Mud Wt. <u>9.1</u> lb / gal.	Viscosity <u>47</u> Filtrate <u>8.0</u>
Tool Open @ <u>3:22 pm</u> Initial Blow <u>weak blow building to bottom off bucket in 9 mins.</u>	
<u>1st - blow off blow - no return</u>	
Final Blow <u>weak blow building to bottom off bucket in 5 mins.</u>	
<u>1st - blow off blow - no return</u>	
Recovery — Total Feet <u>30'</u>	Feet of Gas in Pipe <u>295'</u> Flush Tool? <u>No</u>
Rec. <u>15'</u> Feet Of <u>oil</u>	<u>5%</u> gas <u>95%</u> oil — %water — %mud
Rec. <u>65'</u> Feet Of <u>slightly mud cut gassy oil</u>	<u>18%</u> gas <u>62%</u> oil — %water <u>20%</u> mud
Rec. _____ Feet Of _____	%gas %oil %water %mud
Rec. _____ Feet Of _____	%gas %oil %water %mud
Rec. _____ Feet Of _____	%gas %oil %water %mud
BHT <u>124</u> °F Gravity <u>37</u> °API @ <u>60</u> °F Corrected Gravity <u>37</u> °API	
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System	
(A) Initial Hydrostatic Mud <u>2098</u>	PSI Ak1 Recorder No. <u>6230</u> Range <u>4200</u>
(B) First Initial Flow Pressure <u>50</u>	PSI @ (depth) <u>4185</u> w/Clock No. <u>25828</u>
(C) First Final Flow Pressure <u>50</u>	PSI AK1 Recorder No. <u>10332</u> Range <u>4050</u>
(D) Initial Shut-In Pressure <u>1104</u>	PSI @ (depth) <u>4197</u> w/Clock No. <u>26199</u>
(E) Second Initial Flow Pressure <u>70</u>	PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure <u>80</u>	PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure <u>1114</u>	PSI Initial Opening <u>30</u> Test <u>600</u>
(H) Final Hydrostatic Mud <u>2078</u>	PSI Initial Shut-In <u>45</u> Jars _____

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Final Flow <u>45</u>	Safety Joint <u>50</u>
Final Shut-In <u>60</u>	Straddle _____
	Circ. Sub <u>NC</u>
	Sampler _____
	Extra Packer _____
	Other _____
TOTAL PRICE \$ <u>650.00</u>	

Approved By Scott A Osterman

Our Representative Reto Waggoner

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name J.R. EWING #2 Test No. 6 Date 4/8/94
Company VIKING RESOURCES INC Zone FT SCOTT
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2644 KB
Co. Rep./Geo. SCOTT OATSDEAN Cont. ABERCROMBIE RTD RIG #8 Est. Ft. of Pay _____
Location: Sec. 7 Twp. 16S Rge. 27W Co. LANE State KS

Interval Tested <u>4400-4430</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>30</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>633</u>
Top Packer Depth <u>4395</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4400</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>4430</u>	Viscosity <u>48</u> Filtrate <u>8</u>

Tool Open @ 3:16 AM Initial Blow WEAK BLOW BUILDING TO 5.5"
ISI: BLED OFF BLOW-VERY WEAK SURFACE RETURN FOR 10 MINUTES
Final Blow WEAK BLOW BUILDING TO 8"
FSI: BLED OFF BLOW-VERY WEAK SURFACE RETURN FOR 12 MINUTES

Recovery - Total Feet 15 Flush Tool? NO

Rec. 15 Feet of GASSY OIL CUT MUD-18% GAS/ 22% OIL/ 60% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2234.1 PSI AK1 Recorder No. 6730 Range 4200

(B) First Initial Flow Pressure 15.1 PSI @ (depth) 4405 w / Clock No. 25828

(C) First Final Flow Pressure 12.9 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 1074.9 PSI @ (depth) 4397 w / Clock No. 26199

(E) Second Initial Flow Pressure 19.3 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 20.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1092.8 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2144.5 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart 6730

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2175	2234.1
(B) FIRST INITIAL FLOW PRESSURE	21	15.1
(C) FIRST FINAL FLOW PRESSURE	21	12.9
(D) INITIAL CLOSED-IN PRESSURE	1078	1074.9
(E) SECOND INITIAL FLOW PRESSURE	32	19.3
(F) SECOND FINAL FLOW PRESSURE	32	20.4
(G) FINAL CLOSED-IN PRESSURE	1099	1092.8
(H) FINAL HYDROSTATIC MUD	2164	2144.5

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

DST #

6

TICKET #

6480

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	15	18	2.7	22	3.3	0	0	60	9
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	15	18	2.7	22	3.3	0	0	60	9

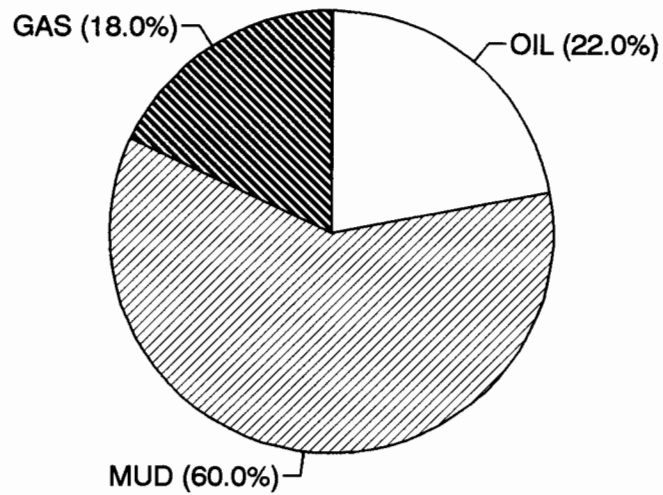
HRS OPEN BBL/DAY

BBL OIL= 0.0231 * 1.25 0.44352

BBL WATER= 0 * 0

BBL MUD= 0.063

BBL GAS= 0.0189



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6480

Well Name & No. <u>J.R. Ewing #2</u>	Test No. <u>6</u>	Date <u>4-8-94</u>
Company <u>Viking Resources Inc.</u>	Zone Tested <u>Ft. Scott</u>	
Address <u>105 S Broadway Suite 1040 Wichita, KS</u>	Elevation <u>2644 KB</u>	
Co. Rep./Geo. <u>Scott Oakesden</u>	Cont. <u>Abrahamson MD Rg 8</u>	Est. Ft. of Pay _____
Location: Sec. <u>7</u>	Twp. <u>16S</u>	Rge. <u>27W</u> Co. <u>LAWO</u> State <u>KS</u>
No. of Copies <u>3</u>	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4400 to 4430 Drill Pipe Size 4 1/2" XH
 Anchor Length 30 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4395 Hole Size — 77/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4400 Wt. Pipe I.D. — 2.7 Ft. Run 633 XH
 Total Depth 4430 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.1 lb/gal. Viscosity 48 Filtrate 8.0

Tool Open @ 3:16 am Initial Blow weak blow building to 5 1/2"
bled off blow
151- very weak surface return for 10 min
 Final Blow weak blow building to 8"
PSI- bled off blow - very weak surface return for 12 min

Recovery — Total Feet 15' Feet of Gas in Pipe 295' Flush Tool? No
 Rec. 15' Feet Of gassy oil cut mud 18% gas 22% Oil — %water 60% 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 _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2175 PSI Ak1 Recorder No. * 6730 Range 4200
 (B) First Initial Flow Pressure 21 PSI @ (depth) 4405 w/Clock No. 25828
 (C) First Final Flow Pressure 21 PSI AK1 Recorder No. 10332 Range 4050
 (D) Initial Shut-In Pressure 1078 PSI @ (depth) 4397 w/Clock No. 26199
 (E) Second Initial Flow Pressure 32 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 32 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1099 PSI Initial Opening 30 Test x 600
 (H) Final Hydrostatic Mud 2164 PSI Initial Shut-In 45 Jars _____

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.

Final Flow 45 Safety Joint 4 50
 Final Shut-In 60 Straddle _____

Approved By Scott Oakesden

Our Representative Pete Waggoner

Circ. Sub x NC
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 650.00