

WELL NAME:

Imm #1

COMPANY:

Viking Resources Inc

LOCATION:

11-3S-19W

Phillips County Kansas

DATE:

06/19/97

TRILOBITE TESTING L.L.C.

OPERATOR : Viking Resources Inc
 WELL NAME: Imm #1
 LOCATION : 11-3S-19W Phillips KS
 INTERVAL : 3214.00 To 3264.00 ft

DATE 6/18/97
 KB 2049.00 ft TICKET NO: 10166 DST #1
 GR 2044.00 ft FORMATION: Lansing KC 30-60
 TD 3264.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754				PF Fr. 0518 to 0548 hr
SI 45 Range(Psi)	4000.0	4000.0	0.0	0.0	0.0	IS Fr. 0548 to 0633 hr
SF 30 Clock(hrs)	12 hr	12 hr				SF Fr. 0633 to 0703 hr
FS 60 Depth(ft)	3225.0	3225.0	0.0	0.0	0.0	FS Fr. 0703 to 0803 hr

	Field	1	2	3	4	
A. Init Hydro	1646.0	1652.0	0.0	0.0	0.0	T STARTED 0400 hr
B. First Flow	29.0	26.0	0.0	0.0	0.0	T ON BOTM 0510 hr
B1. Final Flow	39.0	37.0	0.0	0.0	0.0	T OPEN 0518 hr
C. In Shut-in	590.0	591.0	0.0	0.0	0.0	T PULLED 0803 hr
D. Init Flow	59.0	59.0	0.0	0.0	0.0	T OUT 0940 hr
E. Final Flow	59.0	48.0	0.0	0.0	0.0	
F. Fl Shut-in	581.0	584.0	0.0	0.0	0.0	
G. Final Hydro	1616.0	1650.0	0.0	0.0	0.0	
Inside/Outside	I	I				

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
 10.00 ft of Drilling 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

TOOL DATA-----
 Tool Wt. 1000.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 65000.00 lbs
 Initial Str Wt 62000.00 lbs
 Unseated Str Wt 62000.00 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 535.00 ft
 D.P. Length 2654.00 ft

BLOW DESCRIPTION

Initial Flow:
 Weak Steady Surface Blow

Final Flow:

No blow

MUD DATA-----
 Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 44.00 S/L
 W.L. 8.60 in3
 F.C. 0.00 in
 Mud Drop

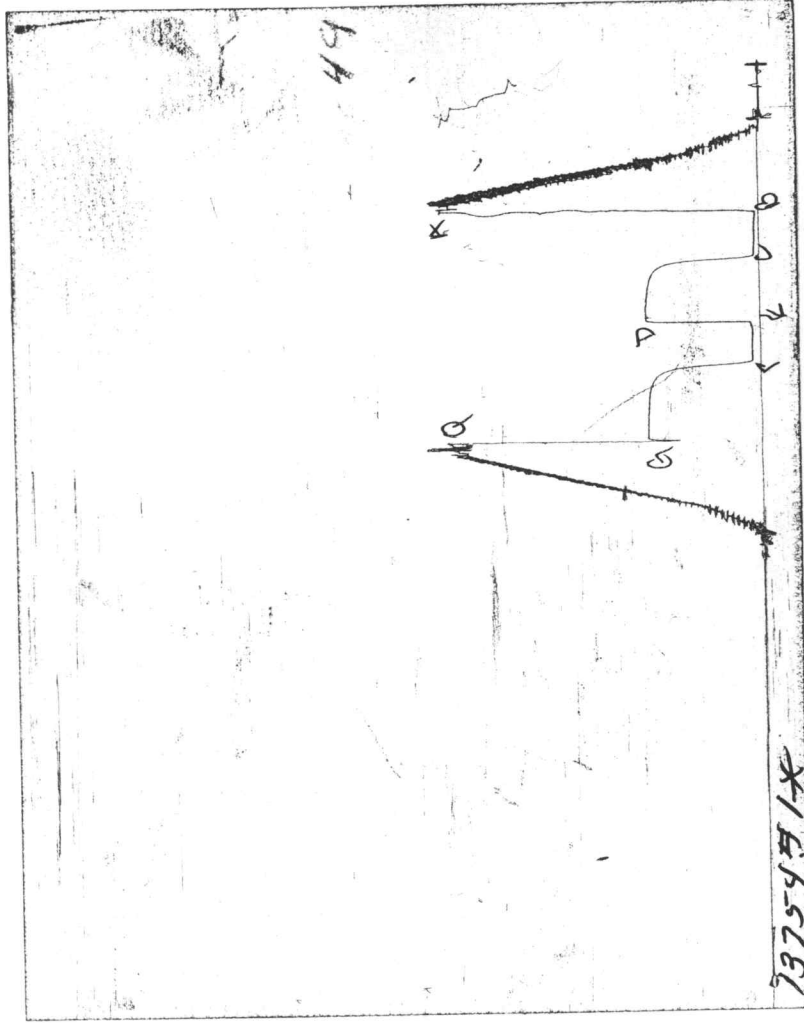
Amt. of fill 0.00 ft
 Btm. H. Temp. 100.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased

SAMPLES:
 SENT TO:

Tester Dan Bangle
 Co. Rep. Bill Peterson
 Contr. Murfin
 Rig # 3
 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 10166

Well Name & No. #1 Imm Test No. 1 Date 6-18-97
 Company Viking Res. Inc Zone Tested 20-60 LKC
 Address 105 S. Broadway, Ste 1040, Wichita, Ks. 67202 Elevation 2049 KB 2049 GL
 Co. Rep / Geo. Bill Peterson Cont. Mucfin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 11 Twp. 3 Rge. 19 Co. Phillips State Ks.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3214 - 3264
 Anchor Length 50
 Top Packer Depth 3209
 Bottom Packer Depth 3214
 Total Depth 3264
 Mud Wt. 9.2 LCM _____ Vis. 44 WL 8.6
 Blow Description I.F. weak steady surface blow

Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 62,000
 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Tool Weight 1000
 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Wt. Pipe Run _____ Drill Collar Run 535
 Drill Pipe Size 4.5 XH Ft. Run 2654

E.F. No blow

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>10</u> Feet Of <u>D.M.</u>		<u>10</u>					
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							
Rec. _____ Feet Of _____							

BHT 100 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System
 (A) Initial Hydrostatic Mud 1646 PSI Recorder No. 13754 T-Started 04:00
 (B) First Initial Flow Pressure 29 PSI (depth) 3225 T-Open 05:18
 (C) First Final Flow Pressure 39 PSI Recorder No. 13249 T-Pulled 08:03
 (D) Initial Shut-in Pressure 580 PSI (depth) 3261 T-Out 09:40
 (E) Second Initial Flow Pressure 59 PSI Recorder No. _____
 (F) Second Final Flow Pressure 59 PSI (depth) _____
 (G) Final Shut-in Pressure 581 PSI Initial Opening 30 Test _____
 (H) Final Hydrostatic Mud 1616 PSI Initial Shut-in 45 Jars X
 Final Flow 30 Safety Joint _____
 Final Shut-in 60 Straddle _____
 _____ Circ. Sub _____
 _____ Sampler _____
 _____ Extra Packer _____
 _____ Elect. Rec. _____
 _____ Other _____

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 Bill Peterson

TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Viking Resources Inc
 WELL NAME: Imm #1
 LOCATION : 11-3S-19W Phillips KS
 INTERVAL : 3332.00 To 3380.00 ft

DATE 6/18/97
 KB 2049.00 ft
 GR 2044.00 ft
 TD 3380.00 ft
 TICKET NO: 10166
 FORMATION: Lansing KC I-J
 TEST TYPE: CONV
 DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13249	13249				PF Fr. 2204 to 2234 hr
SI 45 Range(Psi)	4500.0	4500.0	0.0	0.0	0.0	IS Fr. 2234 to 2319 hr
SF 45 Clock(hrs)	12 hr	12 hr				SF Fr. 2319 to 0004 hr
FS 60 Depth(ft)	3377.0	3377.0	0.0	0.0	0.0	FS Fr. 0004 to 0104 hr

	Field	1	2	3	4	
A. Init Hydro	1800.0	1720.0	0.0	0.0	0.0	T STARTED 2100 hr
B. First Flow	79.0	115.0	0.0	0.0	0.0	T ON BOTM 2200 hr
B1. Final Flow	79.0	55.0	0.0	0.0	0.0	T OPEN 2204 hr
C. In Shut-in	1151.0	1138.0	0.0	0.0	0.0	T PULLED 0104 hr
D. Init Flow	79.0	115.0	0.0	0.0	0.0	T OUT 0240 hr
E. Final Flow	79.0	70.0	0.0	0.0	0.0	
F. Fl Shut-in	1151.0	1143.0	0.0	0.0	0.0	
G. Final Hydro	1686.0	1679.0	0.0	0.0	0.0	
Inside/Outside	O	I				

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 2.00 ft of Clean Oil
 0.00 ft of
 13.00 ft of Oil Cut Mud
 0.00 ft of 10% 90% mud
 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:
 Weak Steady Surface Blow
 Final Flow:
 No blow

SAMPLES:
 SENT TO:

TOOL DATA-----

Tool Wt. 1000.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 65000.00 lbs
 Initial Str Wt 63000.00 lbs
 Unseated Str Wt 63000.00 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 535.00 ft
 D.P. Length 2772.00 ft

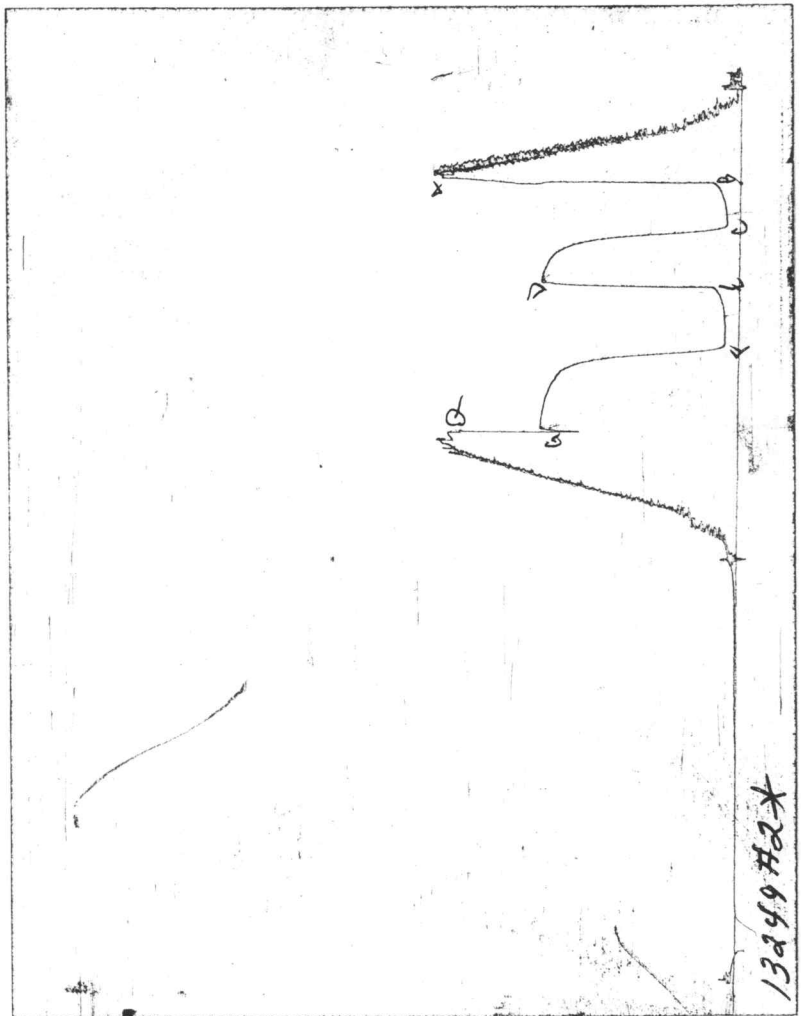
MUD DATA-----

Mud Type Chemical
 Weight 9.50 lb/cf
 Vis. 49.00 S/L
 W.L. 7.20 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 100.00 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 Dan Bangle
 Co. Rep. Bill Peterson
 Contr. Murfin
 Rig # 3
 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 10167

Well Name & No. <u>#1 Imm</u>	Test No. <u>2</u>	Date <u>6-18-97</u>
Company <u>Viking Res. Inc.</u>	Zone Tested <u>I-J</u>	<u>LKC</u>
Address _____	Elevation <u>2049</u>	KB <u>2044</u> GL
Co. Rep / Geo. <u>Bob Peterson</u>	Cont. <u>Murf. n #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>11</u>	Twp. <u>3</u>	Rge. <u>19</u> Co. <u>Phillips</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3332 - 3380</u>	Initial Str Wt./Lbs. <u>63,000</u>	Unseated Str Wt./Lbs. <u>63,000</u>
Anchor Length <u>48</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>62,000</u>
Top Packer Depth <u>3327</u>	Tool Weight <u>1000</u>	
Bottom Packer Depth <u>3332</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>3380</u>	Wt. Pipe Run _____	Drill Collar Run <u>535</u>
Mud Wt. <u>9.5</u> LCM _____	Vis. <u>49</u> WL <u>7.2</u>	Drill Pipe Size <u>4.5x4</u> Ft. Run <u>2772</u>
Blow Description <u>I.F. weak steady surface blow</u>		

F.F. No blow

Recovery — Total Feet <u>15</u>	GIP _____	Ft. in DC <u>15</u>	Ft. in DP _____
Rec. <u>2</u> Feet Of <u>CO</u>	%gas <u>100</u>	%oil _____	%water _____ %mud _____
Rec. <u>13</u> Feet Of <u>OCM</u>	%gas <u>10</u>	%oil _____	%water <u>80</u> %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____

BHT 100 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud <u>1800</u> PSI	Recorder No. <u>13754</u>	T-Started <u>21:00</u>
(B) First Initial Flow Pressure <u>79</u> PSI	(depth) <u>3343</u>	T-Open <u>22:04</u>
(C) First Final Flow Pressure <u>79</u> PSI	Recorder No. <u>13249</u>	T-Pulled <u>01:04</u>
(D) Initial Shut-in Pressure <u>1151</u> PSI	(depth) <u>3377</u>	T-Out <u>02:40</u>
(E) Second Initial Flow Pressure <u>79</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>79</u> PSI	(depth) _____	
(G) Final Shut-in Pressure <u>1151</u> PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud <u>1686</u> PSI	Initial Shut-in <u>45</u>	Jars <u>X</u>
	Final Flow <u>45</u>	Safety Joint _____
	Final Shut-in <u>60</u>	Straddle _____

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Approved By R. J. Pelton
Our Representative Dan Rangle

Circ. Sub _____
Sampler _____
Extra Packer _____
Elect. Rec. _____
Other _____
TOTAL PRICE \$ _____