

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	JAMISON TRUST #1	Test No.	1	Date	10/21/90
Company	RITCHIE EXPLORATION INC		Zone Tested	LANSING-KS CITY	
Address	125 N MARKET #1000 WICHITA KS 67202		Elevation	2559 GL	
Co. Rep./Geo.	MR ROCKY MILFORD	Cont.	WHITE & ELLIS #9	Est. Ft. of Pay	10
Location: Sec.	5	Twp.	14S	Rge.	27W
				Co.	GOVE
				State	KANSAS

Interval Tested	3890-3980	Drill Pipe Size	4.5" XH
Anchor Length	90	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	3885	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	3890	Wt. Pipe I.D. — 2.7 Ft. Run	0
Total Depth	3980	Drill Collar — 2.25 Ft. Run	0
Mud Wt.	9.0	Viscosity	45
	lb/gal.	Filtrate	10.4
Tool Open @	8:22 AM	Initial Blow WEAK BLOW BUILDING TO 6" - BLEED 2" FOR 5 MINUTES-NO BLOW BACK ON SHUTIN	

Final Blow WEAK BLOW BUILDING TO 4" - BLEED 2" FOR 5 MINUTES-NO BLOW BACK

Recovery — Total Feet	110	Flush Tool?	
Rec.	10	Feet of	MUD CUT OIL-80%OIL/20%MUD
Rec.	50	Feet of	OIL CUT MUD-10%OIL/90%MUD
Rec.	50	Feet of	OIL CUT MUDDY WATER-50%WTR/50%MUD/TRC OIL
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	116	Feet of	
BHT		°F Gravity	
		°API @	0
		°F Corrected Gravity	0
		°API	

RW	@	°F	Chlorides	ppm Recovery	Chlorides	4000	ppm System
(A) Initial Hydrostatic Mud		1925.6	PSI	AK1 Recorder No.	5495	Range	4200
(B) First Initial Flow Pressure		21.9	PSI	@ (depth)	3892	w/Clock No.	8376
(C) First Final Flow Pressure		35.7	PSI	AK1 Recorder No.	13337	Range	3975
(D) Initial Shut-In Pressure		1188.9	PSI	@ (depth)	3977	w/Clock No.	17640
(E) Second Initial Flow Pressure		55.6	PSI	AK1 Recorder No.	0	Range	0
(F) Second Final Flow Pressure		64.7	PSI	@ (depth)	0	w/Clock No.	0
(G) Final Shut-In Pressure		1168.7	PSI	Initial Opening	45		
(H) Final Hydrostatic Mud		1810.2	PSI	Initial Shut-In	45		
				Final Flow	45		
				Final Shut-In	45		

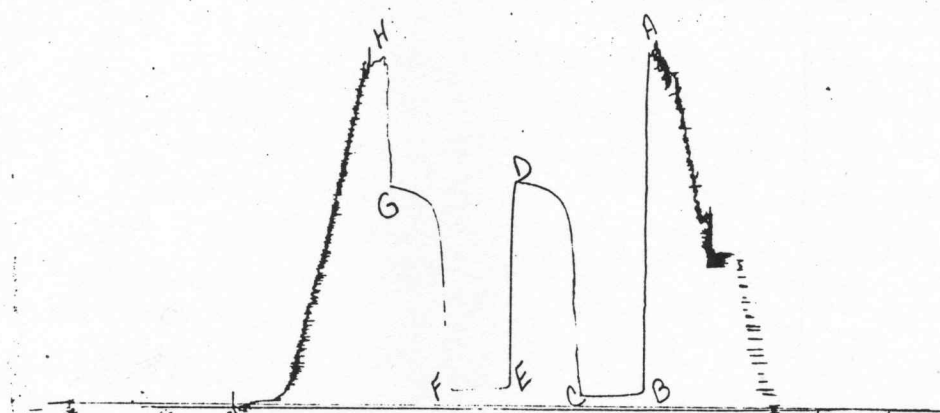
MR ROGER F SELLS

550

Our Representative

TOTAL PRICE \$

DST# 1 RECORDER# 13337



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	1922	1925.6 PSI
(B) First Initial Flow Pressure.....	22	21.9 PSI
(C) First Final Flow Pressure.....	33	35.7 PSI
(D) Initial Closed-in Pressure.....	1182	1188.9 PSI
(E) Second Initial Flow Pressure.....	49	55.6 PSI
(F) Second Final Flow Pressure.....	56	64.7 PSI
(G) Final Closed-In Pressure.....	1161	1168.7 PSI
(H) Final Hydrostatic Mud.....	1816	1810.2 PSI

CALCULATED RECOVERY ANALYSIS

DST # 1 TICKET # 2602

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL 1	10	0	0	80	8	0	0	20	2
PIPE 2	50	0	0	10	5	0	0	90	45
3	50	0	0	0	0	50	25	50	25
4			0		0		0		0
5			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
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
TOTAL			0		13		25		72

HRS OPEN BBL/DAY

BBL OIL= 0.24843 * 1.5 3.97488
 BBL WATER 0.47775 * 7.644
 BBL MUD= 1.37592

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

Nº 2602

Well Name & No. <u>Jamison Trust #1</u>	Test No. <u>1</u>	Date <u>10-21-90</u>
Company <u>Rickie Exploration Inc.</u>	Zone Tested <u>L/KC - H&D</u>	
Address <u>125 N. Market Suite 1000 Wichita, KS</u>	Elevation <u>2559 HL</u>	
Co. Rep. / Geo. <u>Rocky Milford</u>	Cont. <u>White & Ellis Rig #9</u>	Est. Ft. of Pay <u>10'</u>
Location: Sec. <u>5</u> Twp. <u>14S</u> Rge. <u>27W</u>	Co. <u>Dove</u>	State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet <u>Yes</u> ☒ No ☒	Turnkey <u>Yes</u> ☒ No ☒

Interval Tested <u>3890 - 3980</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>90'</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3885</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3890</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>3980</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.0</u> lb / gal.	Viscosity <u>45</u> Filtrate <u>10.4</u>
Tool Open @ <u>8:22 AM</u> Initial Blow <u>weak blow building to 6" - Bled 2" 5 min.</u>	
<u>No blowback on shut-in.</u>	
Final Blow <u>weak blow building to 4" - Bled 2" 5 min. No blowback.</u>	

Recovery — Total Feet <u>110'</u>	Flush Tool? _____
Rec. <u>10</u> Feet of <u>Mud Cut Oil</u>	<u>80% Oil - 20% Mud</u>
Rec. <u>50</u> Feet of <u>Oil Cut Mud</u>	<u>10% Oil - 90% Mud</u>
Rec. <u>50</u> Feet of <u>Oily Muddy Water</u>	<u>50% Water, 50% Mud, Oil Film</u>
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
BHT <u>116</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API	
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides <u>4,000</u> ppm System	
(A) Initial Hydrostatic Mud <u>1922</u> PSI AK1 Recorder No. <u>5495</u> Range <u>4200</u>	
(B) First Initial Flow Pressure <u>22</u> PSI @ (depth) <u>3892</u> w/Clock No. <u>8376</u>	
(C) First Final Flow Pressure <u>33</u> PSI AK1 Recorder No. <u>13337</u> Range <u>3975</u>	
(D) Initial Shut-In Pressure <u>1182</u> PSI @ (depth) <u>3977</u> w/Clock No. <u>17640</u>	
(E) Second Initial Flow Pressure <u>49</u> PSI AK1 Recorder No. _____ Range _____	
(F) Second Final Flow Pressure <u>56</u> PSI @ (depth) _____ w/Clock No. _____	
(G) Final Shut-In Pressure <u>1161</u> PSI Initial Opening <u>45</u> Test <u>550⁰⁰</u>	
(H) Final Hydrostatic Mud <u>1816</u> PSI Initial Shut-In <u>45</u> Jars _____	
Final Flow <u>45</u> Safety Joint _____	
Final Shut-In <u>45</u> Straddle _____	

Approved By Rocky Milford

Our Representative Rogert L. Sells

Printcraft Printers - Hays, KS

Circ. Sub X N/C

Sampler _____

Extra Packer _____

Other _____

TOTAL PRICE \$ 550⁰⁰

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	JAMISON TRUST #1	Test No.	2	Date	10/21/90
Company	RITCHIE EXPLORATION INC	Zone Tested	LANSING-KS CITY		
Address	125 N MARKET #1000 WICHITA KS 67202		Elevation	2559 GL	
Co. Rep./Geo.	MR ROCKY MILFORD	Cont.	WHITE & ELLIS #9	Est. Ft. of Pay	0
Location: Sec.	5	Twp.	14S	Rge.	27W
		Co.	GOVE	state	KANSAS

Interval Tested	3980-4037	Drill Pipe Size	4.5" XH				
Anchor Length	57	Top Choke — 1"	Bottom Choke — 3/4"				
Top Packer Depth	3975	Hole Size — 77/8"	Rubber Size — 63/4"				
Bottom Packer Depth	3980	Wt. Pipe I.D. — 2.7 Ft. Run	0				
Total Depth	4037	Drill Collar — 2.25 Ft. Run	0				
Mud Wt.	9.0	lb/gal.	Viscosity	45	Filtrate	8.8	
Tool Open @	11:41 PM	Initial Blow	WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 22 MIN-BLED 2 @5 MIN-NO BLOW BACK ON SHUTIN				
Final Blow	FAIR BLOW GOING TO BOTTOM OF BUCKET IN 8 MINUTES-BLED 2@5 MINUTES-NO BLOW BACK ON SHUTIN						
Recovery — Total Feet	50	Flush Tool?					
Rec.	370	Feet of	GAS IN PIPE				
Rec.	0	Feet of					
Rec.	50	Feet of	GASSY OIL CUT MUD-55%MUD/40%OIL/5%GAS				
Rec.	0	Feet of					
Rec.	0	Feet of					
BHT	116	°F Gravity	°API @	0	°F Corrected Gravity	0	°API
RW	@	°F Chlorides	ppm Recovery	Chlorides	3000	ppm System	
(A) Initial Hydrostatic Mud	1890.2	PSI	AK1 Recorder No.	5495	Range	4200	
(B) First Initial Flow Pressure	51.2	PSI	@ (depth)	3982	w/Clock No.	8376	
(C) First Final Flow Pressure	51.2	PSI	AK1 Recorder No.	13337	Range	3975	
(D) Initial Shut-In Pressure	1116.3	PSI	@ (depth)	4034	w/Clock No.	17640	
(E) Second Initial Flow Pressure	51.2	PSI	AK1 Recorder No.	0	Range	0	
(F) Second Final Flow Pressure	51.2	PSI	@ (depth)	0	w/Clock No.	0	
(G) Final Shut-In Pressure	1116.3	PSI	Initial Opening	45			
(H) Final Hydrostatic Mud	1830.4	PSI	Initial Shut-In	45			
			Final Flow	45			
			Final Shut-In	45			

MR ROGER F SELLS

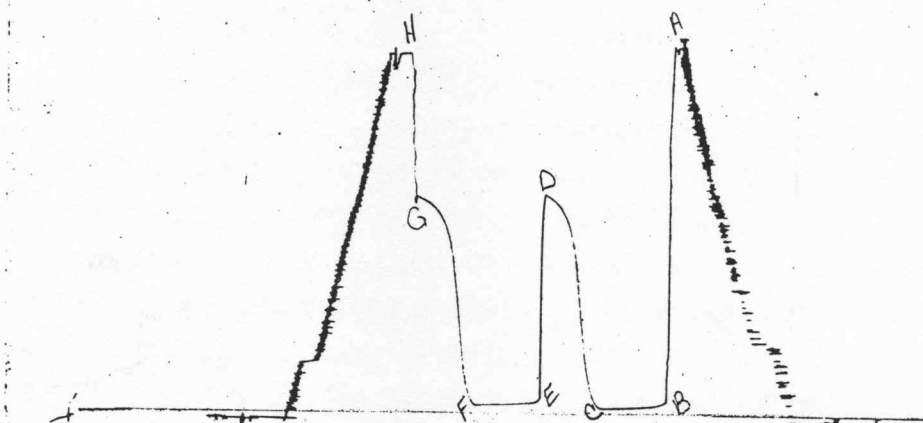
550

Our Representative _____

TOTAL PRICE \$ _____

DST# 2 RECORDER# 13337

DST # 2
13337



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	1875	1890.2 PSI
(B) First Initial Flow Pressure.....	49	51.2 PSI
(C) First Final Flow Pressure.....	49	51.2 PSI
(D) Initial Closed-in Pressure.....	1114	1116.3 PSI
(E) Second Initial Flow Pressure.....	49	51.2 PSI
(F) Second Final Flow Pressure.....	49	51.2 PSI
(G) Final Closed-in Pressure.....	1114	1116.3 PSI
(H) Final Hydrostatic Mud.....	1835	1830.4 PSI

CALCULATED RECOVERY ANALYSIS

DST # 2 TICKET # 2603

SAMPLE #	TOTAL FEET	GAS % FEET	OIL % FEET	WATER % FEET	MUD % FEET
DRILL 1	50	5 2.5	40 20	0 0	55 27.5
PIPE 2		0	0	0	0
3		0	0	0	0
4		0	0	0	0
5		0	0	0	0
WEIGHT 1		0	0	0	0
PIPE 2		0	0	0	0
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
TOTAL		2.5	20	0	27.5

HRS OPEN BBL/DAY

BBL OIL= 0.3822 * 1.5 6.1152
 BBL WATER 0 * 0
 BBL MUD= 0.525525

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

Nº 2603

Well Name & No.	<u>Jamison Trust #1</u>		Test No.	<u>2</u>	Date	<u>10-21-90</u>
Company	<u>Richie Exploration Inc</u>		Zone Tested	<u>2/KC - K&L</u>		
Address	<u>125 N. Market Suite 1000 Wichita KS</u>		Elevation	<u>2559 HL</u>		
Co. Rep. / Geo.	<u>Rocky Milford</u>	Cont.	<u>White & Ellis Rig 9</u>	Est. Ft. of Pay		
Location: Sec.	<u>5</u>	Twp.	<u>14S</u>	Rge.	<u>27W</u>	Co. <u>Kove</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet	Yes <u>X</u> No	Turnkey	Yes <u>X</u> No	

Interval Tested	<u>3980 - 4037</u>	Drill Pipe Size	<u>4 1/2 XH</u>
Anchor Length	<u>57'</u>	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	<u>3975</u>	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	<u>3980</u>	Wt. Pipe I.D. — 2.7 Ft. Run	<u>—</u>
Total Depth	<u>4037</u>	Drill Collar — 2.25 Ft. Run	<u>—</u>
Mud Wt.	<u>9.0</u> lb / gal.	Viscosity	<u>45</u> Filtrate <u>8.8</u>
Tool Open @ <u>11:41 PM</u> Initial Blow <u>weak blow building to bottom of bucket in 22 min</u>			
<u>Bled 2" 5 min. No blow back on shut in</u>			
Final Blow <u>fair blow going to bottom of bucket in 8 min.</u>			
<u>Bled 2" 5 min. No blow back on shut in.</u>			
Recovery — Total Feet	<u>50'</u>	Flush Tool?	
Rec.	<u>50'</u>	Feet of	<u>Gassy Oil Cut Mud - 55% Mud, 40% Oil, 5% Gas</u>
Rec.	<u>370</u>	Feet of	<u>gas in pipe</u>
Rec.		Feet of	
Rec.		Feet of	
BHT	<u>116</u> °F	Gravity	°API @ °F Corrected Gravity °API
RW	@ °F	Chlorides	ppm Recovery Chlorides <u>3000</u> ppm System
(A) Initial Hydrostatic Mud	<u>1875</u>	PSI	Ak1 Recorder No. <u>5495</u> Range <u>4200</u>
(B) First Initial Flow Pressure	<u>49</u>	PSI	@ (depth) <u>3982</u> w/Clock No. <u>8376</u>
(C) First Final Flow Pressure	<u>49</u>	PSI	Ak1 Recorder No. <u>13337</u> Range <u>3925</u>
(D) Initial Shut-In Pressure	<u>1114</u>	PSI	@ (depth) <u>4034</u> w/Clock No. <u>12640</u>
(E) Second Initial Flow Pressure	<u>49</u>	PSI	Ak1 Recorder No. Range
(F) Second Final Flow Pressure	<u>49</u>	PSI	@ (depth) w/Clock No.
(G) Final Shut-In Pressure	<u>1114</u>	PSI	Initial Opening <u>45</u> Test <u>550°</u>
(H) Final Hydrostatic Mud	<u>1835</u>	PSI	Initial Shut-In <u>45</u> Jars
		Final Flow	<u>45</u> Safety Joint
		Final Shut-In	<u>45</u> Straddle

Approved By

Rocky Milford

Our Representative

Roger A. Selb

Circ. Sub X N/C

Sampler

Extra Packer

Other

TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	JAMISON TRUST #1	Test No.	3	Date	10/22/90	
Company	RITCHIE EXPLORATION INC		Zone Tested	PAWNEE		
Address	125 N MARKET #1000 WICHITA KS 67202		Elevation	2564 KB		
Co. Rep./Geo.	MR ROCKY MILFORD	Cont.	WHITE & ELLIS #9	Est. Ft. of Pay	0	
Location: Sec.	5	Twp.	14S	Rge.	27W	
			Co.	GOVE	State	KANSAS

Interval Tested	4139-4170	Drill Pipe Size	4.5" XH			
Anchor Length	31	Top Choke — 1"	Bottom Choke — ¾"			
Top Packer Depth	4134	Hole Size — 77/8"	Rubber Size — 63/4"			
Bottom Packer Depth	4139	Wt. Pipe I.D. — 2.7 Ft. Run	0			
Total Depth	4170	Drill Collar — 2.25 Ft. Run	0			
Mud Wt.	9.1	lb/gal.	Viscosity	50	Filtrate	10.0
Tool Open @	9:10 PM	Initial Blow	WEAK BLOW - BUILT TO 1/4" - DIED IN			
	25 MINUTES					
Final Blow	NO BLOW-FLUSHED TOOL-GOT SURGE-NO BLOW					

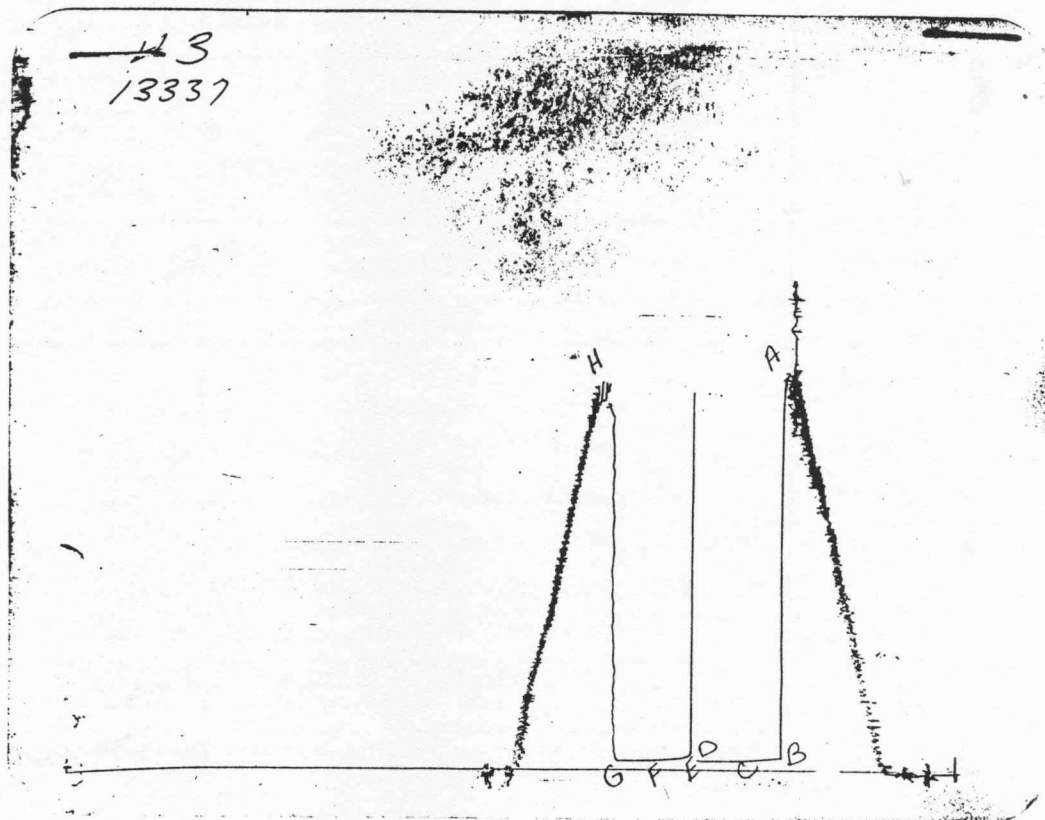
Recovery — Total Feet	10	Flush Tool?	YES				
Rec.	10	Feet of	DRILLING MUD				
Rec.	0	Feet of					
Rec.	0	Feet of					
Rec.	0	Feet of					
Rec.	0	Feet of					
Rec.	0	Feet of					
BHT	121	°F Gravity	°API @	0	°F Corrected Gravity	0	°API
RW	@	°F Chlorides	ppm Recovery	Chlorides	4000	ppm System	
(A) Initial Hydrostatic Mud	1998.7	PSI	Ak1 Recorder No.	5495	Range	4200	
(B) First Initial Flow Pressure	63.2	PSI	@ (depth)	4143	w/Clock No.	8376	
(C) First Final Flow Pressure	55.2	PSI	Ak1 Recorder No.	13337	Range	3975	
(D) Initial Shut-In Pressure	41.3	PSI	@ (depth)	4167	w/Clock No.	17640	
(E) Second Initial Flow Pressure	41.3	PSI	Ak1 Recorder No.	0	Range	0	
(F) Second Final Flow Pressure	41.3	PSI	@ (depth)	0	w/Clock No.	0	
(G) Final Shut-In Pressure	33.9	PSI	Initial Opening	30			
(H) Final Hydrostatic Mud	1880.3	PSI	Initial Shut-In	30			
			Final Flow	30			
			Final Shut-In	30			

MR TOM HORACEK

550

Our Representative _____

TOTAL PRICE \$ _____

DST# 3 RECORDER# 13337


This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	1992	1998.7
(B) First Initial Flow Pressure.....	59	63.2
(C) First Final Flow Pressure.....	49	55.2
(D) Initial Closed-In Pressure.....	39	41.3
(E) Second Initial Flow Pressure.....	39	41.3
(F) Second Final Flow Pressure.....	39	41.3
(G) Final Closed-In Pressure.....	29	33.9
(H) Final Hydrostatic Mud.....	1884	1880.3

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

Nº 2604

Well Name & No.	Jamison Trust #1	Test No.	3	Date	10-22-90
Company	Richie Exp. Inc.	Zone Tested	Pawnee		
Address	125 N. Market Suite 1000, Wichita, KS 67202			Elevation	2564 (KB)
Co. Rep./Geo.	Rocky Milford	cont.	White & Ellis #9	Est. Ft. of Pay	
Location: Sec.	5	Twp.	14 S	Rge.	27 W Co. Gove State KS
No. of Copies	5	Distribution Sheet	Yes	X No	Turnkey Yes X No

Interval Tested	4139 - 4170	Drill Pipe Size	4.5 x 14
Anchor Length	31'	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4134	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	4139	Wt. Pipe I.D. — 2.7 Ft. Run	—
Total Depth	4170	Drill Collar — 2.25 Ft. Run	—
Mud Wt.	9.1	lb/gal.	Viscosity 50 Filtrate 10.0
Tool Open @	9:10 pm	Initial Blow	weak blow - built to 1/4 in - died in 25 min.

Final Blow no blow - flush tool - got surge - no blow

Recovery — Total Feet 10' Flush Tool? yes

Rec. Feet of

Rec. Feet of

Rec. 10' Feet of Drilg mud

Rec. Feet of

Rec. Feet of

BHT 121° °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud 1992 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure 59 PSI @ (depth) 4143 w/Clock No. 8376

(C) First Final Flow Pressure 49 PSI AK1 Recorder No. 13337 Range 3975

(D) Initial Shut-In Pressure 39 PSI @ (depth) 4167 w/Clock No. 17640

(E) Second Initial Flow Pressure 39 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 39 PSI @ (depth) w/Clock No.

(G) Final Shut-In Pressure 29 PSI Initial Opening 30 Test 550.00

(H) Final Hydrostatic Mud 1884 PSI Initial Shut-In 30 Jars

Final Flow 30 Safety Joint

Final Shut-In 30 Straddle

Circ. Sub

Approved By Rocky Milford Sampler

Our Representative Tom Horacek Extra Packer

Other

TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	JAMISON TRUST #1	Test No.	4	Date	10/23/90
Company	RITCHIE EXPLORATION INC	Zone Tested	FT SCOTT-CHESTER		
Address	125 N MARKET #1000 WICHITA KS 67202	Elevation	2564 KB		
Co. Rep./Geo.	MR ROCKY MILFORD	Cont.	WHITE & ELLIS #9	Est. Ft. of Pay	0
Location: Sec.	5	Twp.	14S	Rge.	27W
Co.	GOVE	State	KANSAS		

Interval Tested	4224-4319	Drill Pipe Size	4.5" XH			
Anchor Length	95	Top Choke — 1"	Bottom Choke — 3/4"			
Top Packer Depth	4219	Hole Size — 7 7/8"	Rubber Size — 6 3/4"			
Bottom Packer Depth	4224	Wt. Pipe I.D. — 2.7 Ft. Run	0			
Total Depth	4319	Drill Collar — 2.25 Ft. Run	0			
Mud Wt.	9.1	lb/gal.	Viscosity	49	Filtrate	10.8
Tool Open @	5:55 PM	Initial Blow	1/4" BLOW - DECREASED TO WEAK SURFACE BLOW			
Final Blow	NO BLOW-FLUSHED TOOL-GOT SURGE-NO BLOW					

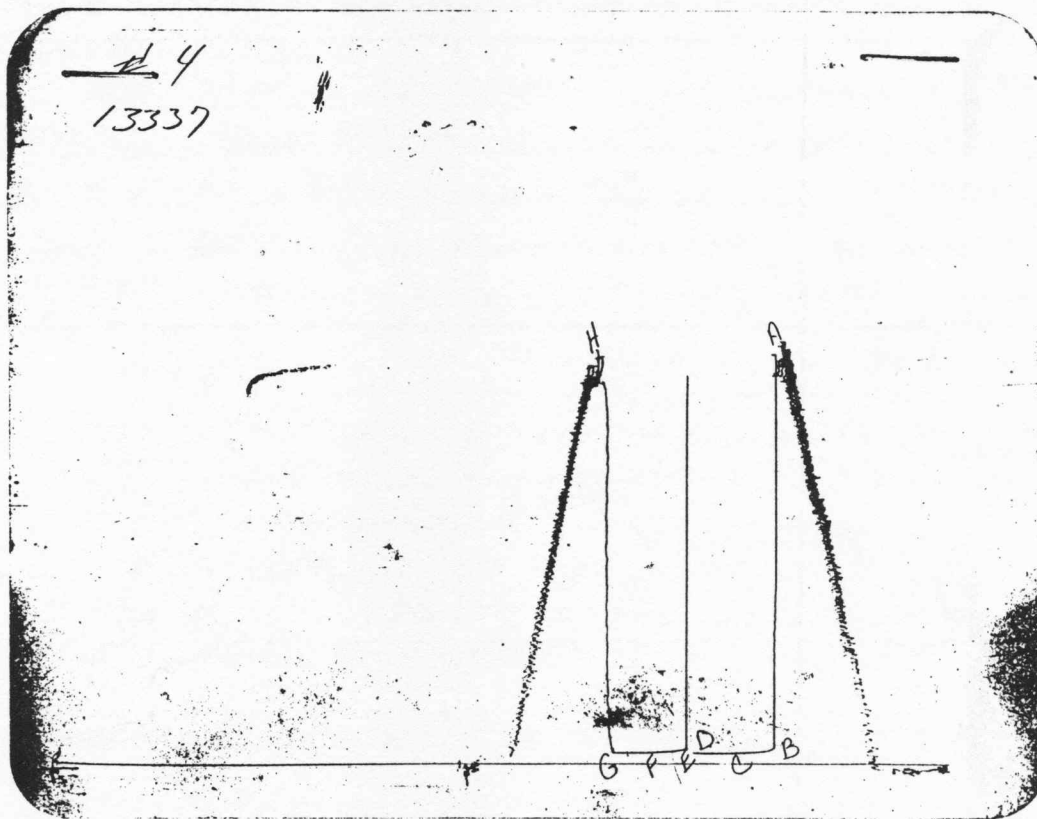
Recovery — Total Feet	15	Flush Tool?	YES				
Rec.	15	Feet of	DRILLING MUD				
Rec.	0	Feet of					
Rec.	0	Feet of					
Rec.	0	Feet of					
Rec.	0	Feet of					
BHT	122	°F Gravity	°API @	0	°F Corrected Gravity	0	°API
RW	@	°F Chlorides	ppm Recovery	Chlorides	5000	ppm System	
(A) Initial Hydrostatic Mud	2171.4	PSI	Ak1 Recorder No.	5495	Range	4200	
(B) First Initial Flow Pressure	50.3	PSI	@ (depth)	4230	w/Clock No.	30401	
(C) First Final Flow Pressure	50.3	PSI	Ak1 Recorder No.	13337	Range	3975	
(D) Initial Shut-In Pressure	91.2	PSI	@ (depth)	4316	w/Clock No.	17640	
(E) Second Initial Flow Pressure	66.5	PSI	Ak1 Recorder No.	0	Range	0	
(F) Second Final Flow Pressure	66.5	PSI	@ (depth)	0	w/Clock No.	0	
(G) Final Shut-In Pressure	71.2	PSI	Initial Opening	30			
(H) Final Hydrostatic Mud	2093.2	PSI	Initial Shut-In	30			
			Final Flow	30			
			Final Shut-In	30			

MR TOM HORACEK

550

Our Representative _____

TOTAL PRICE \$ _____

DST# 4 RECORDER# 13337


This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	2164	2171.4 PSI
(B) First Initial Flow Pressure.....	45	50.3 PSI
(C) First Final Flow Pressure.....	45	50.3 PSI
(D) Initial Closed-In Pressure.....	89	91.2 PSI
(E) Second Initial Flow Pressure.....	56	66.5 PSI
(F) Second Final Flow Pressure.....	56	66.5 PSI
(G) Final Closed-In Pressure.....	67	71.2 PSI
(H) Final Hydrostatic Mud.....	2091	2093.2 PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

Nº 2605

Well Name & No. <u>Jamison Trust #1</u>	Test No. <u>4</u>	Date <u>10-23-90</u>
Company <u>Richie Exp Inc.</u>	Zone Tested <u>Ft. Scott & Chester</u>	
Address <u>125 N. Market Suite, 1000 Wichita, 67202</u>	Elevation <u>2564 (KB)</u>	
Co. Rep. / Geo. <u>Rocky Milford</u>	Cont. <u>White & Ellis #9</u>	Est. Ft. of Pay _____
Location: Sec. <u>5</u>	Twp. <u>14 S</u>	Rge. <u>27 W</u> Co. <u>Gove</u> State <u>Ks.</u>
No. of Copies <u>5</u>	Distribution Sheet _____	Yes <u>X</u> No _____ Turnkey _____ Yes _____ No <u>X</u>

Interval Tested <u>4224 - 4319</u>	Drill Pipe Size <u>4.5 x H</u>
Anchor Length <u>95'</u>	Top Choke — 1" _____ Bottom Choke — ¾" _____
Top Packer Depth <u>4219</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4224</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4319</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.1</u> lb / gal.	Viscosity <u>49</u> Filtrate <u>10.8</u>
Tool Open @ <u>5:55 pm</u> Initial Blow <u>1/4 in blow - decreased to weak surface blow</u>	
Final Blow <u>no blow - flush tool - got surge - no blow</u>	

Recovery — Total Feet <u>15'</u>	Flush Tool? <u>yes</u>
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. <u>15'</u> Feet of <u>Drly mud</u>	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	

BHT <u>122°</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides <u>5,000</u> ppm System
(A) Initial Hydrostatic Mud <u>2164</u> PSI Ak1 Recorder No. <u>5495</u> Range <u>4200</u>
(B) First Initial Flow Pressure <u>45</u> PSI @ (depth) <u>4230</u> w/Clock No. <u>30401</u>
(C) First Final Flow Pressure <u>45</u> PSI AK1 Recorder No. <u>13337</u> Range <u>3975</u>
(D) Initial Shut-In Pressure <u>89</u> PSI @ (depth) <u>4316</u> w/Clock No. <u>17640</u>
(E) Second Initial Flow Pressure <u>56</u> PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure <u>56</u> PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure <u>67</u> PSI Initial Opening <u>30</u> Test <u>550.00</u>
(H) Final Hydrostatic Mud <u>2091</u> PSI Initial Shut-In <u>30</u> Jars _____
Final Flow <u>30</u> Safety Joint _____
Final Shut-In <u>30</u> Straddle _____

Approved By Rocky Milford

Our Representative Tom Horacek

Circ. Sub _____

Sampler _____

Extra Packer _____

Other _____

TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	JAMISON TRUST #1	Test No.	5	Date	10/24/90
Company	RITCHIE EXPLORATION INC	Zone Tested	MISSISSIPPI		
Address	125 N MARKET #1000 WICHITA KS 67202	Elevation	2564 KB		
Co. Rep./Geo.	MR ROCKY MILFORD	Cont.	WHITE & ELLIS #9	Est. Ft. of Pay	0
Location: Sec.	5	Twp.	14S	Rge.	27W
		Co.	GOVE	State	KANSAS

Interval Tested	4343-4355	Drill Pipe Size	4.5" XH			
Anchor Length	12	Top Choke — 1"	Bottom Choke — 3/4"			
Top Packer Depth	4338	Hole Size — 7 7/8"	Rubber Size — 6 3/4"			
Bottom Packer Depth	4343	Wt. Pipe I.D. — 2.7 Ft. Run	0			
Total Depth	4355	Drill Collar — 2.25 Ft. Run	0			
Mud Wt.	9.1	lb/gal.	Viscosity	46	Filtrate	10.8
Tool Open @	8:50 AM	Initial Blow	WEAK BLOW-BUILT TO 1/4" TO DECREASED TO SURFACE BLOW			
Final Blow	NO BLOW-FLUSHED TOOL-GOT SURGE-NO BLOW					

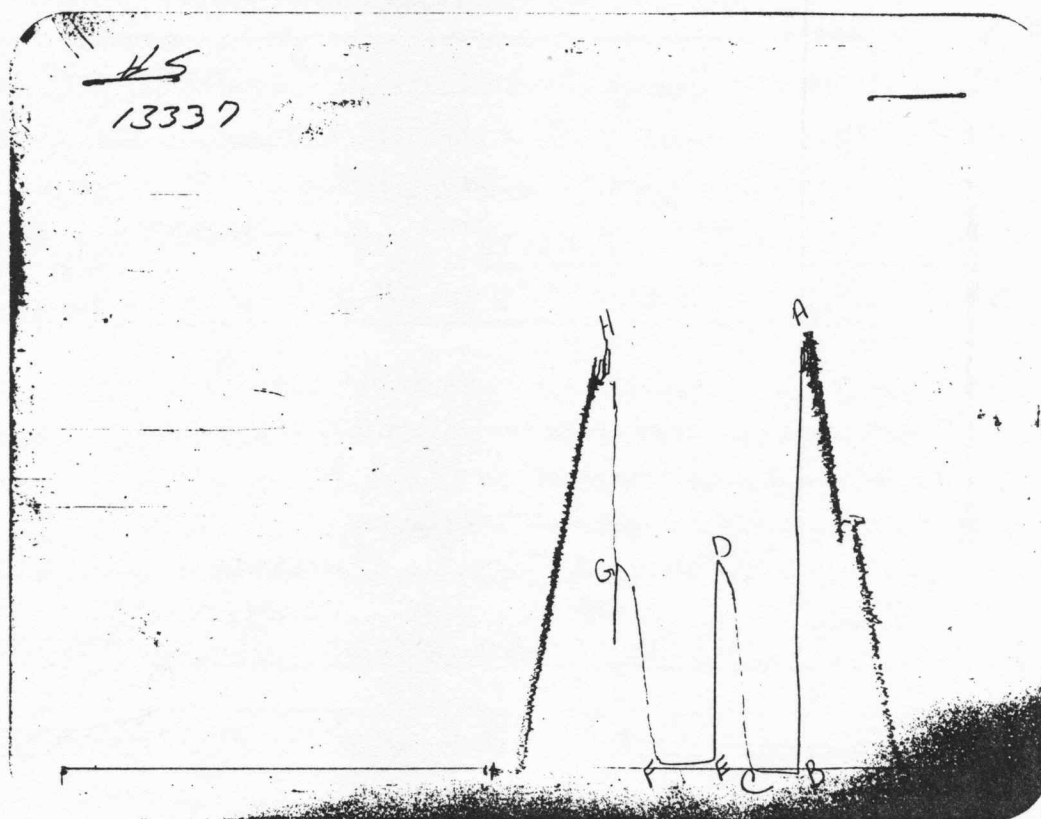
Recovery — Total Feet	5	Flush Tool?	NO					
Rec.	1	Feet of	CLEAN OIL					
Rec.	4	Feet of	OIL CUT MUD-5%OIL/95% MUD					
Rec.	0	Feet of						
Rec.	0	Feet of						
Rec.	0	Feet of						
BHT	122	°F Gravity		°API @	0	°F Corrected Gravity	0	°API
RW		@	°F Chlorides		ppm Recovery	Chlorides	5000	ppm System
(A) Initial Hydrostatic Mud	2199.3	PSI	AK1 Recorder No.	5495	Range	4200		
(B) First Initial Flow Pressure	20.7	PSI	@ (depth)	4347	w/Clock No.	30401		
(C) First Final Flow Pressure	20.7	PSI	AK1 Recorder No.	13337	Range	3975		
(D) Initial Shut-In Pressure	1131.4	PSI	@ (depth)	4352	w/Clock No.	17640		
(E) Second Initial Flow Pressure	20.7	PSI	AK1 Recorder No.	0	Range	0		
(F) Second Final Flow Pressure	20.7	PSI	@ (depth)	0	w/Clock No.	0		
(G) Final Shut-In Pressure	1121.5	PSI	Initial Opening	30				
(H) Final Hydrostatic Mud	2135.4	PSI	Initial Shut-In	30				
			Final Flow	30				
			Final Shut-In	30				

MR TOM HORACEK

550

Our Representative _____

TOTAL PRICE \$ _____

DST# 5 RECORDER# 13337


This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	2196	2199.3 PSI
(B) First Initial Flow Pressure.....	22	20.7 PSI
(C) First Final Flow Pressure.....	22	20.7 PSI
(D) Initial Closed-In Pressure.....	1129	1131.4 PSI
(E) Second Initial Flow Pressure.....	22	20.7 PSI
(F) Second Final Flow Pressure.....	22	20.7 PSI
(G) Final Closed-In Pressure.....	1119	1121.5 PSI
(H) Final Hydrostatic Mud.....	2133	2135.4 PSI

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

Nº 2606

Well Name & No. <u>Jamison Trust #1</u>	Test No. <u>5</u>	Date <u>10-24-90</u>
Company <u>Richie Exp Inc.</u>	Zone Tested <u>Miss.</u>	
Address <u>125 W. Market Suite 1000, Wichita Ks 67202</u>	Elevation <u>2564 (KB)</u>	
Co. Rep. / Geo. <u>Rocky Milford</u>	Cont. <u>White & Ellis #9</u>	Est. Ft. of Pay _____
Location: Sec. <u>5</u>	Twp. <u>14S</u>	Rge. <u>27W</u> Co. <u>Gove</u> State <u>Ks.</u>
No. of Copies <u>5</u>	Distribution Sheet _____	Yes <u>X</u> No _____ Turnkey _____ Yes <u>X</u> No _____

Interval Tested 4343 - 4355 Drill Pipe Size 4.5 x H
 Anchor Length 12' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4338 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4343 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4355 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.1 lb / gal. Viscosity 46 Filtrate 10.8
 Tool Open @ 8:50 AM Initial Blow weak blow - built to 1/4 in decreased to surface blow
 Final Blow no blow - flush tool - got surge - no blow

Recovery — Total Feet 5' Flush Tool? no
 Rec. _____ Feet of _____
 Rec. 1' Feet of clean oil
 Rec. 4' Feet of ocm 5% oil 95% mud
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 122° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5,000 ppm System
 (A) Initial Hydrostatic Mud 2196 PSI AK1 Recorder No. 5495 Range 4200
 (B) First Initial Flow Pressure 22 PSI @ (depth) 4347 w/Clock No. 30401
 (C) First Final Flow Pressure 22 PSI AK1 Recorder No. 13337 Range 3975
 (D) Initial Shut-In Pressure 1129 PSI @ (depth) 4352 w/Clock No. 17640
 (E) Second Initial Flow Pressure 22 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 22 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1119 PSI Initial Opening 30 Test 550.00
 (H) Final Hydrostatic Mud 2133 PSI Initial Shut-In 30 Jars _____
 Final Flow 30 Safety Joint _____
 Final Shut-In 30 Straddle _____

Approved By Andy Milford

Our Representative Tom Horacek

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

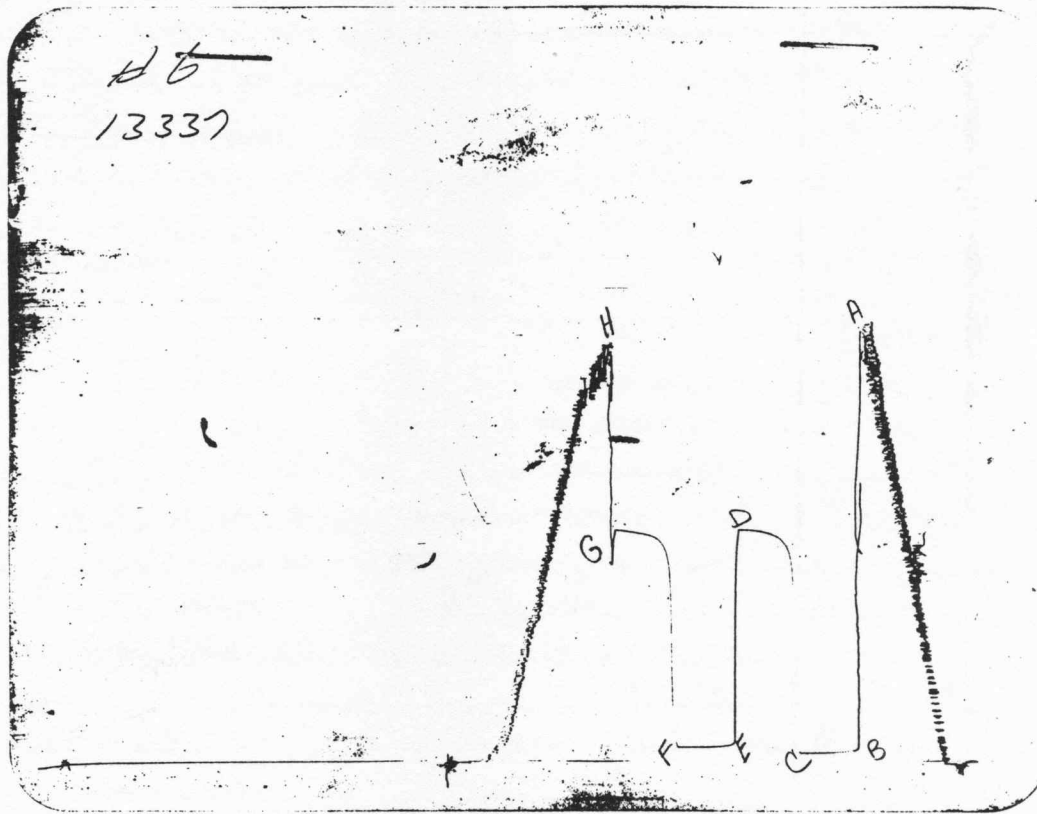
Well Name & No.	JAMISON TRUST #1	Test No.	6	Date	10/24/90
Company	RITCHIE EXPLORATION INC	Zone Tested	MISSISSIPPI		
Address	125 N MARKET #1000 WICHITA KS 67202	Elevation	2564 KB		
Co. Rep./Geo.	MR ROCKY MILFORD	Cont.	WHITE & ELLIS #9	Est. Ft. of Pay	0
Location: Sec.	5	Twp.	14S	Rge.	27W
		Co.	GOVE	State	KANSAS

Interval Tested	4354-4363	Drill Pipe Size	4.5" XH							
Anchor Length	9	Top Choke — 1"	Bottom Choke — 3/4"							
Top Packer Depth	4349	Hole Size — 7 7/8"	Rubber Size — 6 3/4"							
Bottom Packer Depth	4354	Wt. Pipe I.D. — 2.7 Ft. Run	0							
Total Depth	4363	Drill Collar — 2.25 Ft. Run	0							
Mud Wt.	9.3	lb/gal.	Viscosity	48	Filtrate	10.8				
Tool Open @	7:45 PM	Initial Blow	WEAK BLOW-BUILT TO 2.5" -							
	ISI: BLED OFF BLOW - NO BLOW									
Final Blow	SURFACE BLOW THROUGHOUT OPEN-									
	FSI: NO BLOW									
Recovery — Total Feet	125	Flush Tool?	NO							
Rec.	10	Feet of	SULPHUR WATER WITH TRACE OF OIL							
Rec.	115	Feet of	SULPHUR WATER							
Rec.	0	Feet of								
Rec.	0	Feet of								
Rec.	0	Feet of								
BHT	122	°F	Gravity	°API @	0	°F	Corrected Gravity	0	°API	
RW	.1	@	70	°F	Chlorides	75000	ppm Recovery	Chlorides	5000	ppm System
(A) Initial Hydrostatic Mud	2188.3	PSI	AK1 Recorder No.	5495	Range	4200				
(B) First Initial Flow Pressure	12.6	PSI	@ (depth)	4356	w/Clock No.	30401				
(C) First Final Flow Pressure	30.8	PSI	AK1 Recorder No.	13337	Range	3975				
(D) Initial Shut-In Pressure	1241.5	PSI	@ (depth)	4360	w/Clock No.	17640				
(E) Second Initial Flow Pressure	40.9	PSI	AK1 Recorder No.	0	Range	0				
(F) Second Final Flow Pressure	62.	PSI	@ (depth)	0	w/Clock No.	0				
(G) Final Shut-In Pressure	1234.5	PSI	Initial Opening	45						
(H) Final Hydrostatic Mud	2137.8	PSI	Initial Shut-In	45						
			Final Flow	45						
			Final Shut-In	45						

MR TOM HORACEK

Our Representative _____

TOTAL PRICE \$ 550.00

DST# 10 RECORDER# 13337


This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	2185	2188.3
(B) First Initial Flow Pressure.....	11	12.6
(C) First Final Flow Pressure.....	22	30.8
(D) Initial Closed-in Pressure.....	1235	1241.5
(E) Second Initial Flow Pressure.....	33	40.9
(F) Second Final Flow Pressure.....	56	62.
(G) Final Closed-in Pressure.....	1224	1234.5
(H) Final Hydrostatic Mud.....	2133	2137.8

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

Nº 2607

Well Name & No. <u>Jamison Trust #1</u>	Test No. <u>6</u>	Date <u>10-24-90</u>
Company <u>Richie Exp. Inc.</u>	Zone Tested <u>Miss</u>	
Address <u>125 N. Market Suite 1000 Wichita Ks 67202</u>	Elevation <u>2564 (KB)</u>	
Co. Rep. / Geo. <u>Rocky Milford</u>	Cont. <u>White & Ellis #9</u>	Est. Ft. of Pay
Location: Sec. <u>5</u>	Twp. <u>14 S</u>	Rge. <u>27 W</u>
	Co. <u>Gove</u>	State <u>Ks.</u>
No. of Copies <u>5</u>	Distribution Sheet	Yes <u>X</u> No <u>X</u> Turnkey Yes <u>X</u> No <u>X</u>

Interval Tested <u>4354 - 4363</u>	Drill Pipe Size <u>4.5 x H</u>
Anchor Length <u>9'</u>	Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth <u>4349</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4354</u>	Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth <u>4363</u>	Drill Collar — 2.25 Ft. Run
Mud Wt. <u>9.3</u> lb / gal.	Viscosity <u>48</u> Filtrate <u>10.8</u>
Tool Open @ <u>7:45 pm</u> Initial Blow <u>weak blow - built to 2 1/2 in.</u>	
<u>ISI - bled off blow - no blow</u>	
Final Blow <u>surface blow through out open.</u>	
<u>FSE - no blow</u>	

Recovery — Total Feet 125' Flush Tool? NO

Rec. _____	Feet of _____
Rec. <u>10'</u>	Feet of <u>sulpher wtr w/ trace of oil</u>
Rec. <u>115'</u>	Feet of <u>sulpher water</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 122' °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .1 @ 70' °F Chlorides 75000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud <u>2185</u>	PSI AK1 Recorder No. <u>5495</u>	Range <u>4200</u>
(B) First Initial Flow Pressure <u>11</u>	PSI @ (depth) <u>4356</u>	w/Clock No. <u>30401</u>
(C) First Final Flow Pressure <u>22</u>	PSI AK1 Recorder No. <u>13337</u>	Range <u>3975</u>
(D) Initial Shut-In Pressure <u>1235</u>	PSI @ (depth) <u>4360</u>	w/Clock No. <u>17640</u>
(E) Second Initial Flow Pressure <u>33</u>	PSI AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>56</u>	PSI @ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>1224</u>	PSI Initial Opening <u>45</u>	Test <u>550.00</u>
(H) Final Hydrostatic Mud <u>2133</u>	PSI Initial Shut-In <u>45</u>	Jars _____
	Final Flow <u>45</u>	Safety Joint _____
	Final Shut-In <u>45</u>	Straddle _____

Approved By Andy Milford

Our Representative Tom Horacek

Printcraft Printers - Hays, KS

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 550.00