

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name EIGHT "K" #1 Test No. 1 Date 11/25/93
Company CASTLE RESOURCES, INC. Zone LANSING
Address 1200 E.27th #C HAYS KANSAS 67601 Elevation 3067
Co. Rep./Geo. DICK GREEN Cont. EMPHASIS OIL OPER. RIG #7 Est. Ft. of Pay _____
Location: Sec. 29 Twp. 10S Rge. 32W Co. THOMAS State KS

Interval Tested 4064-4077 Drill Pipe Size 4.5 XH
Anchor Length 13 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4059 Drill Collar - 2.25 Ft. Run 30
Bottom Packer Depth 4064 Mud Wt. _____ 8.9 lb/Gal.
Total Depth 4077 Viscosity 45 Filtrate 8.8

Tool Open @ 12:32 AM Initial Blow WEAK BLOW - 1/2"

Final Blow VERY WEAK BLOW - DEAD IN 15 MINUTES

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of SLTLY OIL CUT MUD-4% OIL/ 96% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 2000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 1899.6 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 19.6 PSI @ (depth) 4074 w / Clock No. 22993

(C) First Final Flow Pressure 19.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 514.1 PSI @ (depth) 4069 w / Clock No. 30410

(E) Second Initial Flow Pressure 25.2 PSI AK1 Recorder No. _____ Range _____

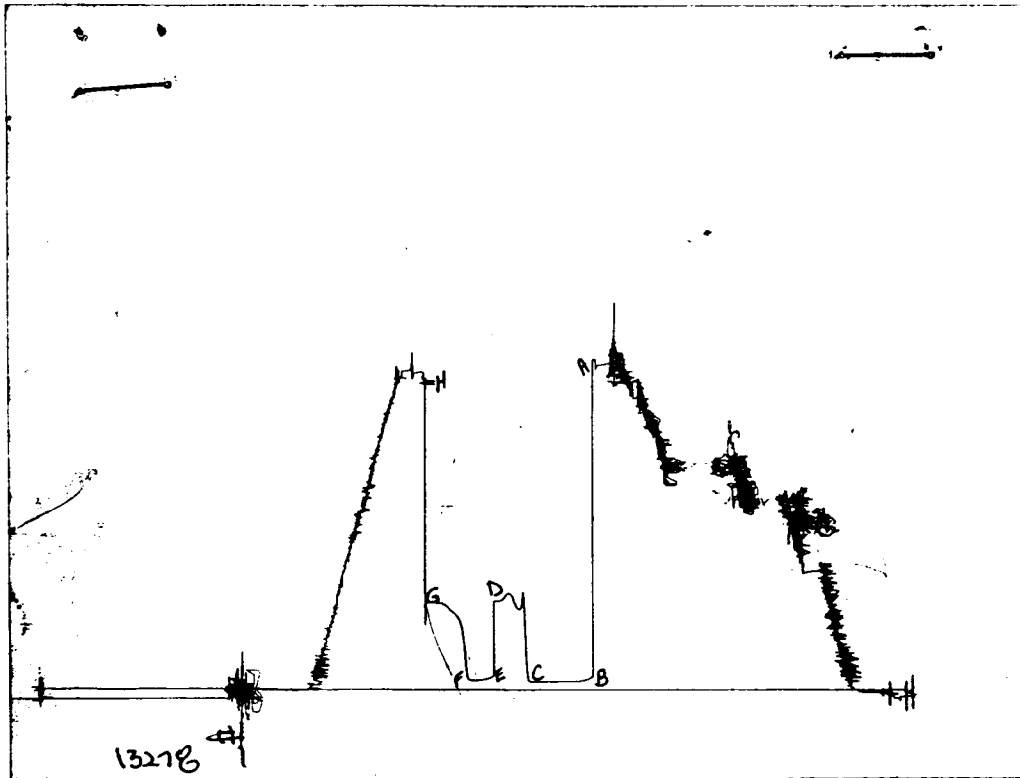
(F) Second Final Flow Pressure 25.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 536.3 PSI Initial Opening 45 Final Flow 15

(H) Final Hydrostatic Mud 1866.3 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1891	1899.6
(B) FIRST INITIAL FLOW PRESSURE	16	19.6
(C) FIRST FINAL FLOW PRESSURE	16	19.6
(D) INITIAL CLOSED-IN PRESSURE	506	514.1
(E) SECOND INITIAL FLOW PRESSURE	20	25.2
(F) SECOND FINAL FLOW PRESSURE	20	25.2
(G) FINAL CLOSED-IN PRESSURE	530	536.3
(H) FINAL HYDROSTATIC MUD	1865	1866.3

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6419

Well Name & No.	<u>EIGHT "K" #1</u>	Test No.	<u>1</u>	Date	<u>11-25-93</u>				
Company	<u>CASTLE RESOURCES INC.</u>	Zone Tested	<u>LANS.</u>						
Address	<u>1200 E. 27TH ST. SUITE C HAYS KS. 67601</u>	Elevation	<u>3067 K.B.</u>						
Co. Rep./Geo.	<u>DICK GREEN</u>	Cont.	<u>EMPHASIS OIL OPER. #7</u>	Est. Ft. of Pay					
Location: Sec.	<u>29</u>	Twp.	<u>10 S</u>	Rge.	<u>32 W</u>	Co.	<u>THOMAS</u>	State	<u>Ks.</u>
No. of Copies	<u>5</u>	Distribution Sheet	<u>Yes</u>	No Turnkey	<u>Yes</u>	No	<u>No</u>	Evaluation	

Interval Tested	<u>4064 - 4077'</u>	Drill Pipe Size	<u>4 1/2" x.H</u>			
Anchor Length	<u>13'</u>	Top Choke - 1"	<u>✓</u>	Bottom Choke - 3/4"	<u>✓</u>	
Top Packer Depth	<u>4059'</u>	Hole Size - 7 7/8"	<u>✓</u>	Rubber Size - 6 3/4"	<u>✓</u>	
Bottom Packer Depth	<u>4064'</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>NONE</u>			
Total Depth	<u>4097'</u>	Drill Collar - 2.25 Ft. Run	<u>30'</u>			
Mud Wt.	<u>8.9</u>	lb/gal.	Viscosity	<u>45</u>	Filtrate	<u>8.8 cc.</u>
Tool Open @	<u>12:32 A.M.</u>	Initial Blow	<u>Weak below (1/2")</u>			

Final Blow Very weak below (dead in 15 mins.)

Recovery - Total Feet	<u>20'</u>	Feet of Gas in Pipe	<u>NONE</u>	Flush Tool?	<u>No</u>						
Rec.	<u>20</u>	Feet Of	<u>S.O.C.M.</u>	%gas	<u>4</u>	%oil		%water	<u>96</u>	%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 110 °F Gravity N.A. °API @ --- °F Corrected Gravity N.A. °API

RW N.A. @ --- °F Chlorides 2,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	<u>1891</u>	PSI	AK1 Recorder No.	<u>13278</u>	Range	<u>4400</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI	@ (depth)	<u>4074'</u>	w/Clock No.	<u>22993</u>
(C) First Final Flow Pressure	<u>16</u>	PSI	AK1 Recorder No.	<u>10248</u>	Range	<u>4400</u>
(D) Initial Shut-in Pressure	<u>506</u>	PSI	@ (depth)	<u>4069'</u>	w/Clock No.	<u>30410</u>
(E) Second Initial Flow Pressure	<u>20</u>	PSI	AK1 Recorder No.	<u>---</u>	Range	<u>---</u>
(F) Second Final Flow Pressure	<u>20</u>	PSI	@ (depth)	<u>---</u>	w/Clock No.	<u>---</u>
(G) Final Shut-in Pressure	<u>530</u>	PSI	Initial Opening	<u>45</u>	Test	<u>✓</u>
(H) Final Hydrostatic Mud	<u>1865</u>	PSI	Initial Shut-in	<u>30</u>	Jars	

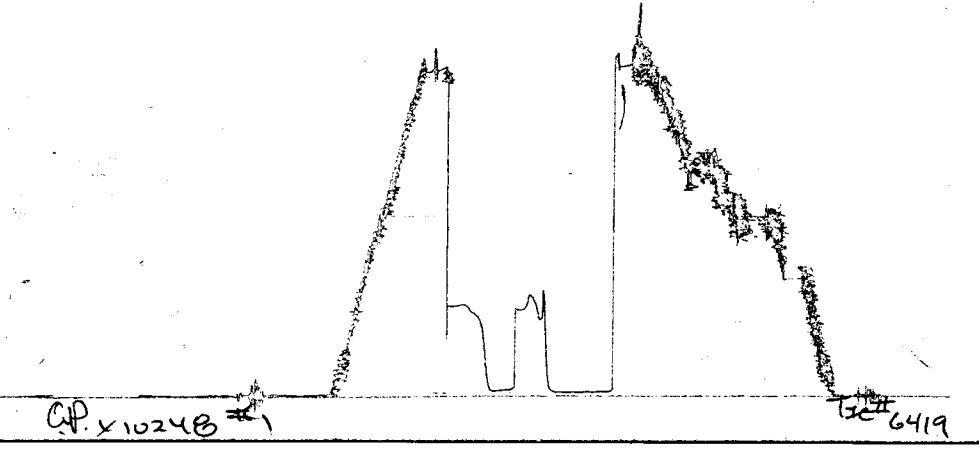
TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow	<u>15</u>	Safety Joint	
Final Shut-in	<u>30</u>	Straddle	
		Circ. Sub	
		Sampler	
		Extra Packer	
		Other	
		TOTAL PRICE \$	<u>✓ 600⁰⁰</u>

Approved By _____

Our Representative Cory P. ...

• CACTE



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name EIGHT "K" #1 Test No. 2 Date 11/25/93
Company CASTLE RESOURCES, INC. Zone LANSING
Address 1200 E.27th #C HAYS KANSAS 67601 Elevation 3067
Co. Rep./Geo. DICK GREEN Cont. EMPHASIS OIL OPER. RIG #7
Location: Sec. 29 Twp. 10S Rge. 32W Co. THOMAS Est. Ft. of Pay KS

Interval Tested 4094-4115 Drill Pipe Size 4.5 XH
Anchor Length 21 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4089 Drill Collar - 2.25 Ft. Run 30
Bottom Packer Depth 4094 Mud Wt. 9.1 lb/Gal.
Total Depth 4115 Viscosity 49 Filtrate 8.4

Tool Open @ 5:32 PM Initial Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 14 MINUTES

Final Blow FAIR TO STRONG BLOW-BOTTOM OF BUCKET IN 16 MINUTES

Recovery - Total Feet 705 Flush Tool? NO

Rec. 35 Feet of GAS IN PIPE
Rec. 1 Feet of CLEAN OIL
Rec. 209 Feet of MUDDY WTR WITH OIL SPECKS-80% WTR/ 20% MUD
Rec. 495 Feet of SALT WATER
Rec. _____ Feet of _____

BHT 111 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.36 @ _____ °F Chlorides 33000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 1957.4 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 55.2 PSI @ (depth) 4112 w / Clock No. 22993

(C) First Final Flow Pressure 146.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1042.9 PSI @ (depth) 4107 w / Clock No. 30410

(E) Second Initial Flow Pressure 164.1 PSI AK1 Recorder No. _____ Range _____

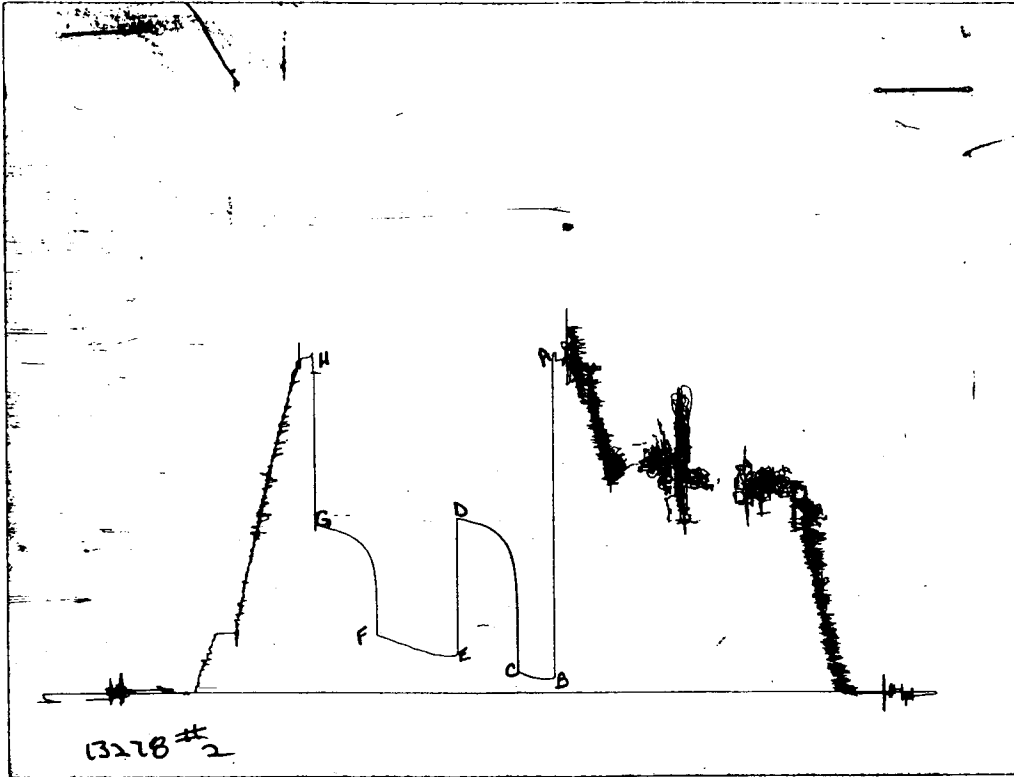
(F) Second Final Flow Pressure 345.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1005.2 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1915.2 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1946	1957.4
(B) FIRST INITIAL FLOW PRESSURE	50	55.2
(C) FIRST FINAL FLOW PRESSURE	144	146.3
(D) INITIAL CLOSED-IN PRESSURE	1035	1042.9
(E) SECOND INITIAL FLOW PRESSURE	159	164.1
(F) SECOND FINAL FLOW PRESSURE	338	345.2
(G) FINAL CLOSED-IN PRESSURE	999	1005.2
(H) FINAL HYDROSTATIC MUD	1913	1915.2

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6420

Well Name & No. EIGHT "K" #1 Test No. 2 Date 11-25-93
 Company CASTLE RESOURCES INC. Zone Tested LANS.
 Address 200 E 27th St. Sultec Hays KS. 67601 Elevation 3067 K.B.
 Co. Rep./Geo. DICK GREEN cont. EMPHASIS OIL OPER. #7 Est. Ft. of Pay _____
 Location: Sec. 29 Twp. 10^s Rge. 32^w Co. THOMAS State KS.
 No. of Copies 5 Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4094 - 4115' Drill Pipe Size 4 1/2" X.H.
 Anchor Length 21' Top Choke - 1" Bottom Choke - 3/4"
 Top Packer Depth 4089' Hole Size - 7 7/8" Rubber Size - 6 3/4"
 Bottom Packer Depth 4094' Wt. Pipe I.D. - 2.7 Ft. Run None
 Total Depth 4115' Drill Collar - 2.25 Ft. Run 30'
 Mud Wt. 9.1 lb/gal. Viscosity 49 Filtrate 8.4 cc
 Tool Open @ 5:32 P.M. Initial Blow Fair to strong blow. (1 liter of bucket in 14 mins.)
 Final Blow Fair to strong blow. (1 liter of bucket in 16 mins.)

Recovery - Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>705</u>	<u>35</u>	<u>No</u>
Rec. <u>1</u> Feet Of <u>Clean oil</u>	%gas	%oil
Rec. <u>209</u> Feet Of <u>M.W. (wail spec.)</u>	%gas	%oil <u>80</u>
Rec. <u>495</u> Feet Of <u>Salt Water!</u>	%gas	%oil <u>100</u>
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil

BHT 111 °F Gravity N.A. °API @ _____ °F Corrected Gravity N.A. °API
 RW 0.36 @ 58 °F Chlorides 33,000 ppm Recovery Chlorides 2,000 ppm System
 (A) Initial Hydrostatic Mud 1946 PSI AK1 Recorder No. 13278 Range 4400
 (B) First Initial Flow Pressure 50 PSI @ (depth) 4112' w/Clock No. 22993
 (C) First Final Flow Pressure 144 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 1035 PSI @ (depth) 4107' w/Clock No. 30410
 (E) Second Initial Flow Pressure 159 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 338 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 999 PSI Initial Opening 30 Test
 (H) Final Hydrostatic Mud 1913 PSI Initial Shut-In 45 Jars _____

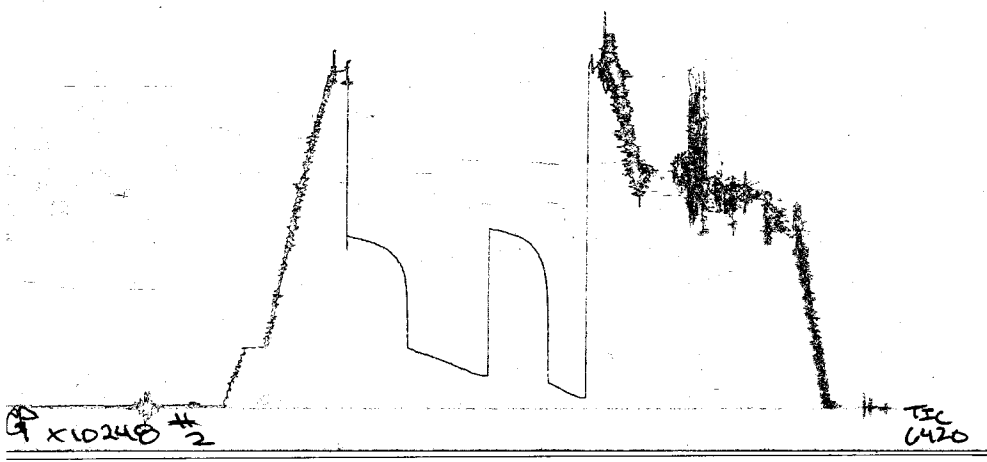
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Final Flow 60 Safety Joint _____
 Final Shut-In 45 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By _____
 Our Representative Cary P. [Signature]

Extra Packer _____
 Other _____
 TOTAL PRICE \$ 600.00

0.00



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name EIGHT "K" #1 Test No. 3 Date 11/26/93
Company CASTLE RESOURCES, INC. Zone LANSING "G-H"
Address 1200 E.27th #C HAYS KANSAS 67601 Elevation 3067
Co. Rep./Geo. DICK GREEN Cont. EMPHASIS OIL OPER. RIG #7 Est. Ft. of Pay _____
Location: Sec. 29 Twp. 10S Rge. 32W Co. THOMAS State KS

Interval Tested 4143-4186 Drill Pipe Size 4.5 XH
Anchor Length 43 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4138 Drill Collar -- 2.25 Ft. Run 30
Bottom Packer Depth 4143 Mud Wt. 9 lb/Gal.
Total Depth 4186 Viscosity 50 Filtrate 8.4

Tool Open @ 2:00 PM Initial Blow WEAK BLOW - 1/2" TO 1.5"

Final Blow WEAK BLOW - 1/4" TO 1/2"

Recovery - Total Feet 25 Flush Tool? NO

Rec. 25 Feet of SLTLY OIL CUT WTRY MUD- 1% OIL/ 12% WTR/ 87% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.44 @ _____ °F Chlorides 3500 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 1988.5 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 24.1 PSI @ (depth) 4183 w / Clock No. 22993

(C) First Final Flow Pressure 29.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1114.1 PSI @ (depth) 4147 w / Clock No. 30410

(E) Second Initial Flow Pressure 28.5 PSI AK1 Recorder No. _____ Range _____

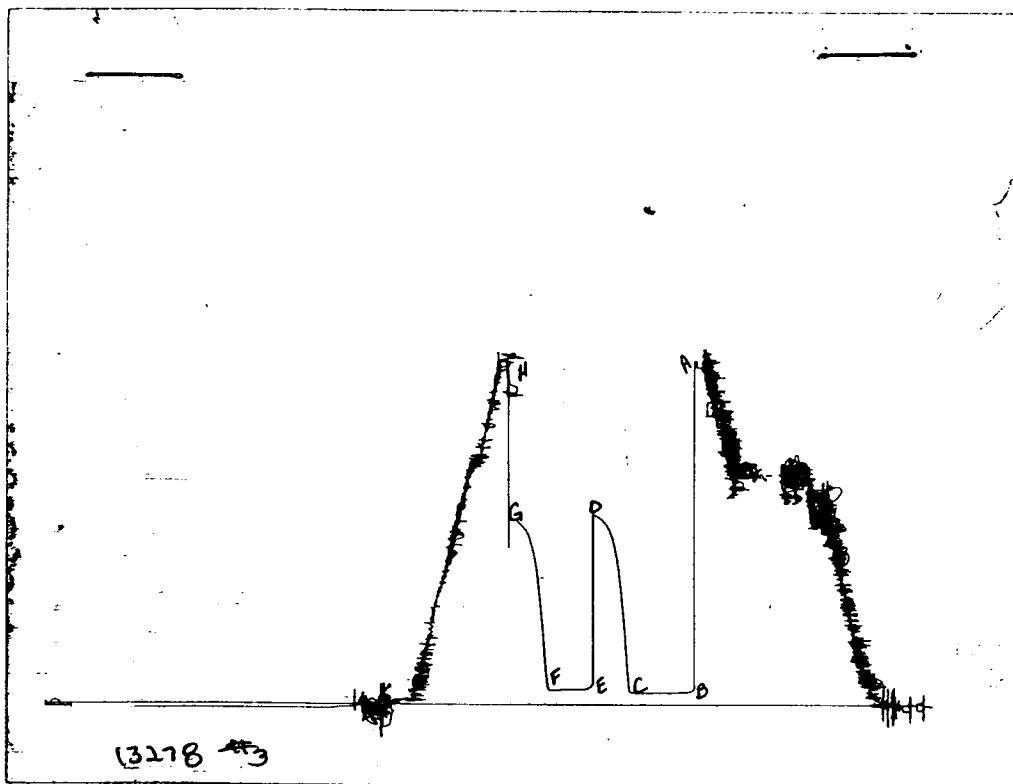
(F) Second Final Flow Pressure 28.5 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1094.1 PSI Initial Opening 45 Final Flow 30

(H) Final Hydrostatic Mud 1958.2 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1986	1988.5
(B) FIRST INITIAL FLOW PRESSURE	18	24.1
(C) FIRST FINAL FLOW PRESSURE	23	29.6
(D) INITIAL CLOSED-IN PRESSURE	1111	1114.1
(E) SECOND INITIAL FLOW PRESSURE	25	28.5
(F) SECOND FINAL FLOW PRESSURE	25	28.5
(G) FINAL CLOSED-IN PRESSURE	1093	1094.1
(H) FINAL HYDROSTATIC MUD	1953	1958.2

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6421

Well Name & No.	EIGHT "K." #1		Test No.	3	Date	11-26-93
Company	CASTLE RESOURCES INC.		Zone Tested	LANS G-4		
Address	1200 E. 27TH ST. SUITE C. HAYS KS. 67601		Elevation	3067 K.B.		
Co. Rep./Geo.	DICK GREEN		cont.	EMPHASIS OIL CO. #9		
Location: Sec.	29	Twp.	10 ^S	Rge.	32 ^W	Co. THOMAS State KS
No. of Copies	5	Distribution Sheet	Yes	No	Turnkey	Yes No Evaluation

Interval Tested	4143 - 4186'	Drill Pipe Size	4 1/2" x 4"			
Anchor Length	43'	Top Choke - 1"	<input checked="" type="checkbox"/>	Bottom Choke - 3/4"	<input checked="" type="checkbox"/>	
Top Packer Depth	4138'	Hole Size - 7 7/8"	<input checked="" type="checkbox"/>	Rubber Size - 6 3/4"	<input checked="" type="checkbox"/>	
Bottom Packer Depth	4143'	Wt. Pipe I.D. - 2.7 Ft. Run	None			
Total Depth	4186'	Drill Collar - 2.25 Ft. Run	30'			
Mud Wt.	9.0 +	lb/gal.	Viscosity	50	Filtrate	8.4 cc.
Tool Open @	2:00 P.M. Initial Blow					

Final Blow Wash below (1/4 - 1/2")

Recovery - Total Feet	25	Feet of Gas in Pipe	None	Flush Tool?	No					
Rec.	25	Feet Of	S.O.C.W.M.	%gas	<1	%oil	12	%water	87	%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 112 °F Gravity N.A. °API @ ~ °F Corrected Gravity N.A. °API

RW 2.44 @ 62 °F Chlorides 3,500 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	1986	PSI	AK1 Recorder No.	13278	Range	4400
(B) First Initial Flow Pressure	18	PSI	@ (depth)	4183'	w/Clock No.	22993
(C) First Final Flow Pressure	23	PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	1111	PSI	@ (depth)	4147'	w/Clock No.	30410
(E) Second Initial Flow Pressure	25	PSI	AK1 Recorder No.	~	Range	~
(F) Second Final Flow Pressure	25	PSI	@ (depth)	~	w/Clock No.	~
(G) Final Shut-In Pressure	1093	PSI	Initial Opening	45	Test	<input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	1953	PSI	Initial Shut-In	30	Jars	

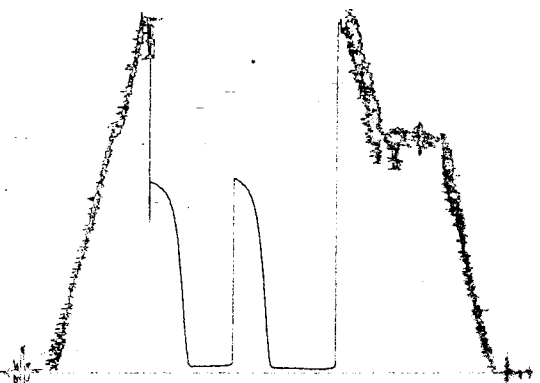
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Final Flow	30	Safety Joint	
Final Shut-In	30	Straddle	
		Circ. Sub	
		Sampler	
		Extra Packer	
		Other	
		TOTAL PRICE \$	600.00

Approved By _____

Our Representative Craig D. [Signature]

Curve



CP x10248 # 3 TX# 6421

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name EIGHT "K" #1 Test No. 4 Date 11/27/93
Company CASTLE RESOURCES, INC. Zone LANSING "I-J"
Address 1200 E.27th #C HAYS KANSAS 67601 Elevation 3067
Co. Rep./Geo. DICK GREEN Cont. EMPHASIS OIL OPER. RIG #7 Est. Ft. of Pay _____
Location: Sec. 29 Twp. 10S Rge. 32W Co. THOMAS State KS

Interval Tested 4195-4244 Drill Pipe Size 4.5 XH
Anchor Length 49 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4190 Drill Collar - 2.25 Ft. Run 30
Bottom Packer Depth 4195 Mud Wt. _____ 9 lb/Gal.
Total Depth 4244 Viscosity 50 Filtrate 8.4

Tool Open @ 11:50 AM Initial Blow FAIR BLOW - 3" TO 5"

Final Blow WEAK BLOW - 1" TO 3"

Recovery - Total Feet 102 Flush Tool? NO

Rec. 60 Feet of GAS IN PIPE
Rec. 40 Feet of OIL CUT MUD-18% OIL/ 82% MUD
Rec. 62 Feet of SLTLY OIL CUT MUD-8% OIL/ 92% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 2000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2054.1 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 62.9 PSI @ (depth) 4241 w / Clock No. 22993

(C) First Final Flow Pressure 75.2 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 987.4 PSI @ (depth) 4236 w / Clock No. 30410

(E) Second Initial Flow Pressure 75.2 PSI AK1 Recorder No. _____ Range _____

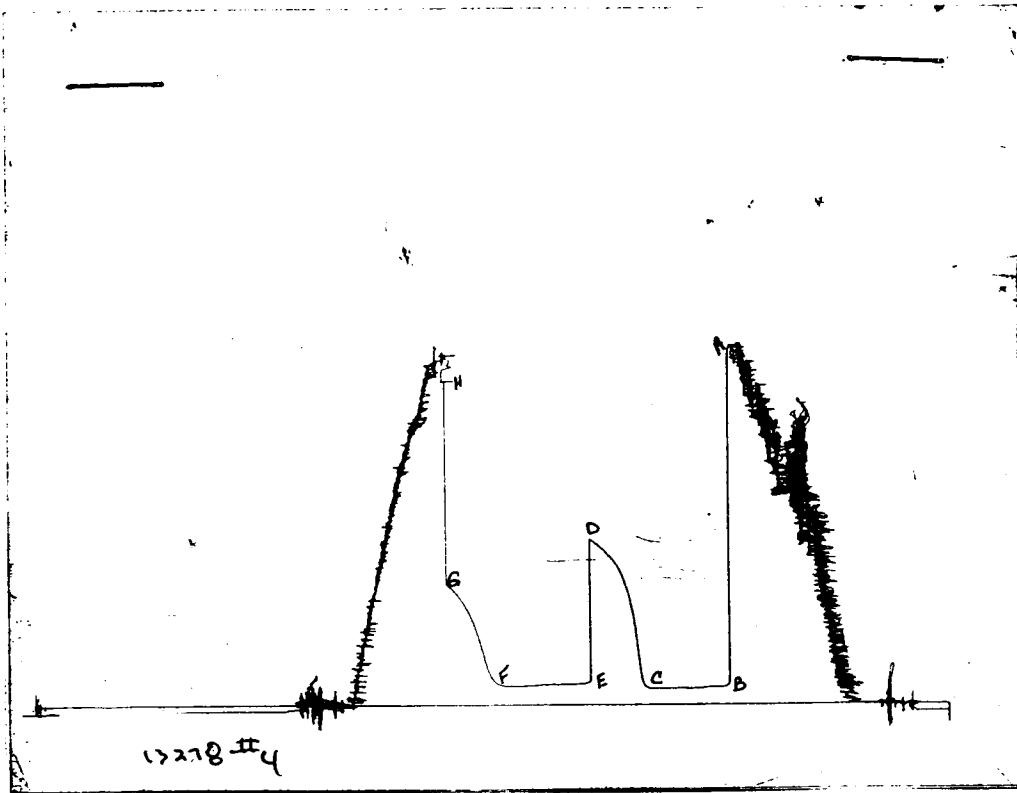
(F) Second Final Flow Pressure 86.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 724.1 PSI Initial Opening 60 Final Flow 60

(H) Final Hydrostatic Mud 2024.1 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

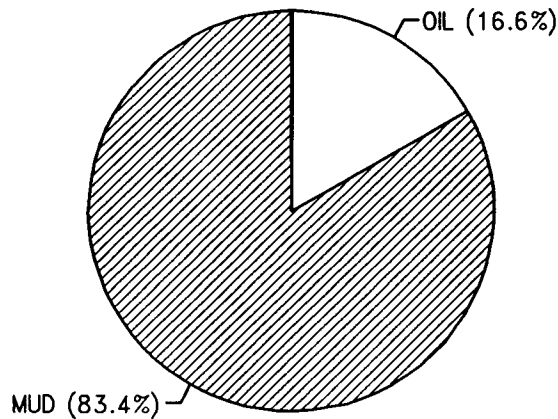
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2051	2054.1
(B) FIRST INITIAL FLOW PRESSURE	55	62.9
(C) FIRST FINAL FLOW PRESSURE	69	75.2
(D) INITIAL CLOSED-IN PRESSURE	988	987.4
(E) SECOND INITIAL FLOW PRESSURE	73	75.2
(F) SECOND FINAL FLOW PRESSURE	80	86.3
(G) FINAL CLOSED-IN PRESSURE	718	724.1
(H) FINAL HYDROSTATIC MUD	2018	2024.1

CALCULATED RECOVERY ANALYSIS

DST 4 TICKET # 6422

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	258	0	0	18	46.44	0	0	82	211.56
PIPE 2	32	0	0	8	2.56	0	0	92	29.44
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			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	30	0	0	8	2.4	0	0	92	27.6
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	320		0		51.4		0		268.6

			HRS OPEN	BBL/DAY
BBL OIL=	0.708516	*	2	8.502192
BBL WATER=	0	*		0
BBL MUD=	3.561984			
BBL GAS =	0			



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6422

Well Name & No. EIGHT "K" #1 Test No. 4 Date 11-27-93
 Company CASTLE RESOURCES INC. Zone Tested LANS I-5
 Address 1200 E. 27TH ST. SUITE C. HAYS KS. 67601 Elevation 3067 K.B.
 Co. Rep./Geo. DICK GREEN cont. EMERGENCY OIL OPER #7 Est. Ft. of Pay _____
 Location: Sec. 29 Twp. 10^S Rge. 32^W Co. THOMAS State KS
 No. of Copies 5 Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4195 - 4244' Drill Pipe Size 4 1/2" X. H.
 Anchor Length 49' Top Choke - 1" Bottom Choke - 3/4"
 Top Packer Depth 4190' Hole Size - 7 7/8" Rubber Size - 6 3/4"
 Bottom Packer Depth 4195' Wt. Pipe I.D. - 2.7 Ft. Run None
 Total Depth 4244' Drill Collar - 2.25 Ft. Run 30'
 Mud Wt. 9.0 + lb/gal. Viscosity 50 Filtrate 8.4 cc.
 Tool Open @ 11:50 A.M. Initial Blow Fair below, (3-5")

Final Blow Weak below, (1-3")

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>102'</u>	<u>60</u>	<u>No</u>
Rec. <u>40</u> Feet Of <u>O.C.M.</u>	%gas <u>18</u> %oil _____ %water <u>82</u> %mud _____	
Rec. <u>62</u> Feet Of <u>S.O.C.M.</u>	%gas <u>8</u> %oil _____ %water <u>92</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 114 °F Gravity N.A. °API @ _____ °F Corrected Gravity N.A. °API
 RW N.A. @ _____ °F Chlorides 2,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud 2051 PSI Ak1 Recorder No. 13278 Range 4400
 (B) First Initial Flow Pressure 55 PSI @ (depth) 4241' w/Clock No. 22993
 (C) First Final Flow Pressure 69 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 988 PSI @ (depth) 4236' w/Clock No. 30410
 (E) Second Initial Flow Pressure 73 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 80 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 718 PSI Initial Opening 60 Test
 (H) Final Hydrostatic Mud 2018 PSI Initial Shut-In 45 Jars _____

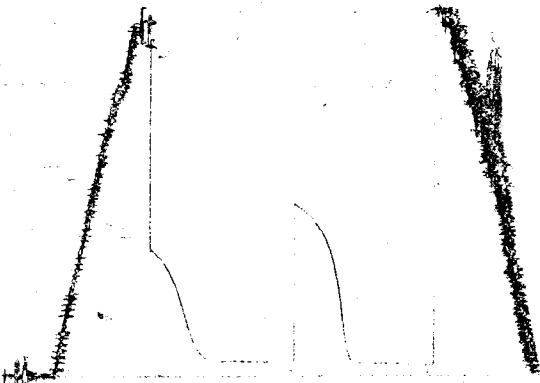
TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 Safety Joint _____
 Final Shut-In 45 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By _____
 Our Representative Cary P. [Signature]
 Printcraft Printers - Hays, KS

Extra Packer _____
 Other _____
 TOTAL PRICE \$ ✓ 600⁰⁰

Castle



CP. X1024B #4

TTC
6422

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name EIGHT "K" #1 Test No. 5 Date 11/29/93
Company CASTLE RESOURCES, INC. Zone PAWN/FT SCT
Address 1200 E.27th #C HAYS KANSAS 67601 Elevation 3067
Co. Rep./Geo. DICK GREEN Cont. EMPHASIS OIL OPER. RIG #7 Est. Ft. of Pay _____
Location: Sec. 29 Twp. 10S Rge. 32W Co. THOMAS State KS

Interval Tested	<u>4414-4516</u>	Drill Pipe Size	<u>4.5 XH</u>
Anchor Length	<u>102</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4409</u>	Drill Collar - 2.25 Ft. Run	<u>30</u>
Bottom Packer Depth	<u>4414</u>	Mud Wt.	<u>9.2</u> lb/Gal.
Total Depth	<u>4516</u>	Viscosity	<u>44</u> Filtrate <u>8</u>

Tool Open @ 12:30 AM Initial Blow WEAK BLOW - 1" TO 3"

Final Blow WEAK TO FAIR BLOW - 2" TO 7"

Recovery - Total Feet 75 Flush Tool? NO

Rec. <u>90</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>75</u>	Feet of	<u>SLTLY OIL CUT WTRY MUD-3% OIL/ 17% WTR/ 80% MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 2.44 @ _____ °F Chlorides 7000 ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2156.3 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 65.2 PSI @ (depth) 4513 w / Clock No. 22993

(C) First Final Flow Pressure 86.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 626.3 PSI @ (depth) 4508 w / Clock No. 30410

(E) Second Initial Flow Pressure 88.5 PSI AK1 Recorder No. _____ Range _____

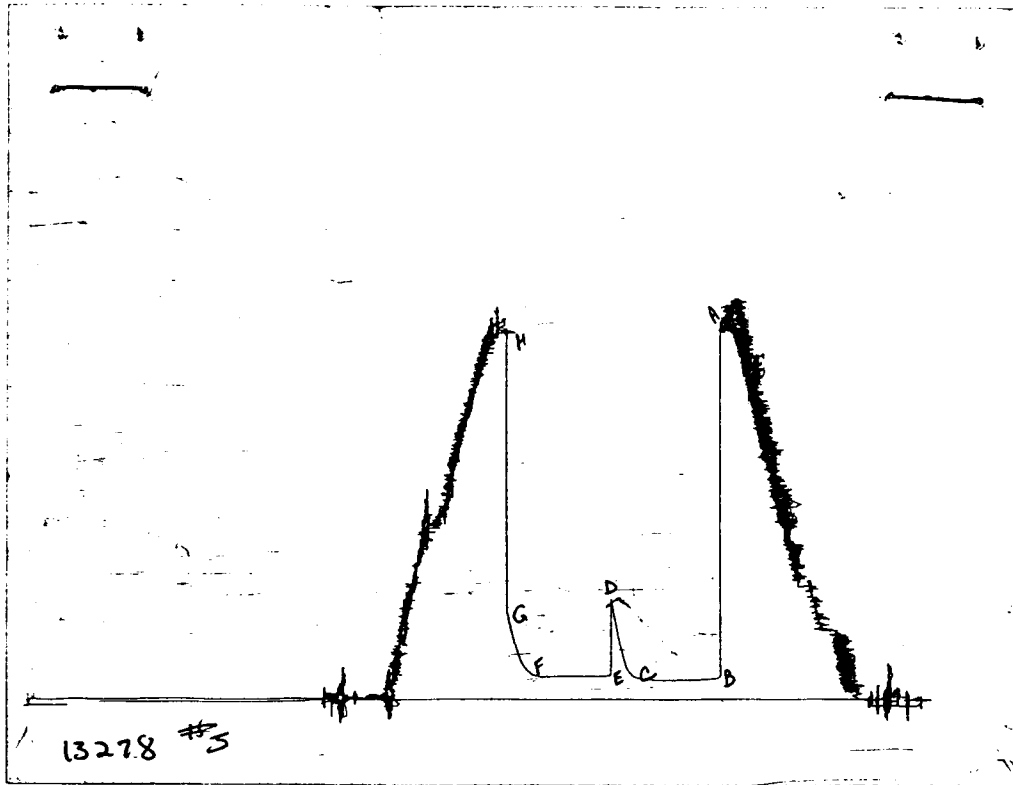
(F) Second Final Flow Pressure 94.1 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 537.4 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2125.2 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2151	2156.3
(B) FIRST INITIAL FLOW PRESSURE	62	65.2
(C) FIRST FINAL FLOW PRESSURE	80	86.3
(D) INITIAL CLOSED-IN PRESSURE	621	626.3
(E) SECOND INITIAL FLOW PRESSURE	82	88.5
(F) SECOND FINAL FLOW PRESSURE	87	94.1
(G) FINAL CLOSED-IN PRESSURE	535	537.4
(H) FINAL HYDROSTATIC MUD	2118	2125.2

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6423

Well Name & No. EIGHT "K" # 1 Test No. S Date 11-29-93
Company CASTLE RESOURCES INC. Zone Tested PAWNEE FT. SCOTT
Address 1200 E. 27th ST. SUITE C. HAYS KS. 67601 Elevation 3067 K.B.
Co. Rep./Geo. DICK GREEN Cont. EMPHASIS OIL CO. #7 Est. Ft. of Pay _____
Location: Sec. 29 Twp. 10^s Rge. 32^w Co. THOMAS State KS.
No. of Copies 5 Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4414 - 4516' Drill Pipe Size 4 1/2" x 14'
Anchor Length 102' Top Choke - 1" Bottom Choke - 3/4"
Top Packer Depth 4409' Hole Size - 7 7/8" Rubber Size - 6 3/4"
Bottom Packer Depth 4414' Wt. Pipe I.D. - 2.7 Ft. Run NONE
Total Depth 4516' Drill Collar - 2.25 Ft. Run 30'
Mud Wt. 9.2 lb/gal. Viscosity 44 Filtrate 8.0 cc.
Tool Open @ 12:30 A.M. Initial Blow Weak below. (1-3")

Final Blow Weak to fair below. (2-7")

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>75'</u>	<u>90'</u>	<u>No</u>
Rec. <u>75</u> Feet Of <u>S.D.C.W.M.</u>	%gas <u>3</u> %oil <u>17</u> %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	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud	

BHT 120 °F Gravity N.A. °API @ _____ °F Corrected Gravity N.A. °API
RW 2.44 @ 62 °F Chlorides 7,000 ppm Recovery Chlorides 1,000 ppm System

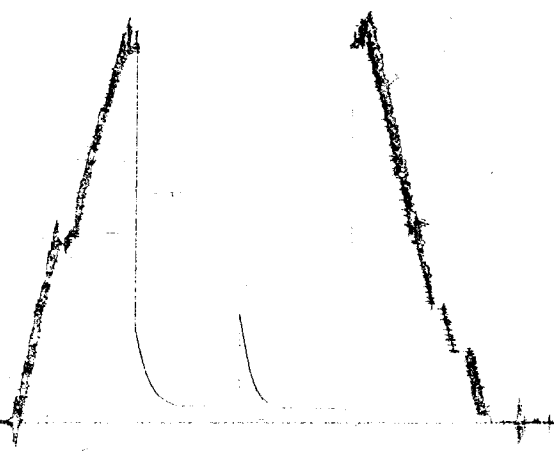
(A) Initial Hydrostatic Mud 2151 PSI Ak1 Recorder No. 13278 Range 4400
(B) First Initial Flow Pressure 62 PSI @ (depth) 4513' w/Clock No. 22993
(C) First Final Flow Pressure 80 PSI AK1 Recorder No. 10248 Range 4400
(D) Initial Shut-In Pressure 621 PSI @ (depth) 4508' w/Clock No. 30410
(E) Second Initial Flow Pressure 82 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 87 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 535 PSI Initial Opening 45 Test
(H) Final Hydrostatic Mud 2118 PSI Initial Shut-In 30 Jars _____

Final Flow 45 Safety Joint _____
Final Shut-In 30 Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____

Approved By _____
Our Representative Craig Purcell
Printcraft Printers - Hays, KS

Other _____
TOTAL PRICE \$ 600.00

Castle



GP x10248 #5 1224
6423