

Computer Generated

Drill-Stem Test Data

Well Name #1 MENDENHALL Test No. 1 Date 2/14/92
Company CASTLE RESOURCES Zone Tested KS CITY
Address 1200 E 27th BANK IV SUITE C HAYS KS Elevation 2490 G.L.
Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay
Location: Sec. 5 Twp. 15S Rge. 27W Co. GOVE State KS

Interval Tested 3900-3940 Drill Pipe Size 4.5 XH
Anchor Length 40 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3895 Drill Collar - 2.25 Ft. Run
Bottom Packer Depth 3900
Total Depth 3940

Mud Wt. 9.2 lb / gal. Viscosity 46 Filtrate 10

Tool Open @ 4:20 AM Initial Blow GOOD BLOW OFF BOTTOM IN 3 MINUTES

Final Blow BLOW OFF BOTTOM IN 14 MINUTES
BLOW ON SHUT IN

Recovery - Total Feet 936 Flush Tool? NO

Rec. 340 Feet of GAS IN PIPE

Rec. 90 Feet of GSY OIL CUT WTRY MUD-1%GAS/8%OIL/20%WTR/71%MUD

Rec. 60 Feet of GSY OIL CUT MUDDY WATER-1%GAS/4%OIL/75%WTR/20%MUD

Rec. 786 Feet of GSY OIL CUT WATER-1%GAS/TRACE OIL/99%WATER

Rec. Feet of
BHT 122 °F Gravity °API @ °F Corrected Gravity °API

RW 0.16 @ 61 °F Chlorides 50000 ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 1910.4 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 72.3 PSI @ (depth) 3902 w/Clock No. 27567

(C) First Final Flow Pressure 285.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 410.6 PSI @ (depth) 3935 w/Clock No. 27501

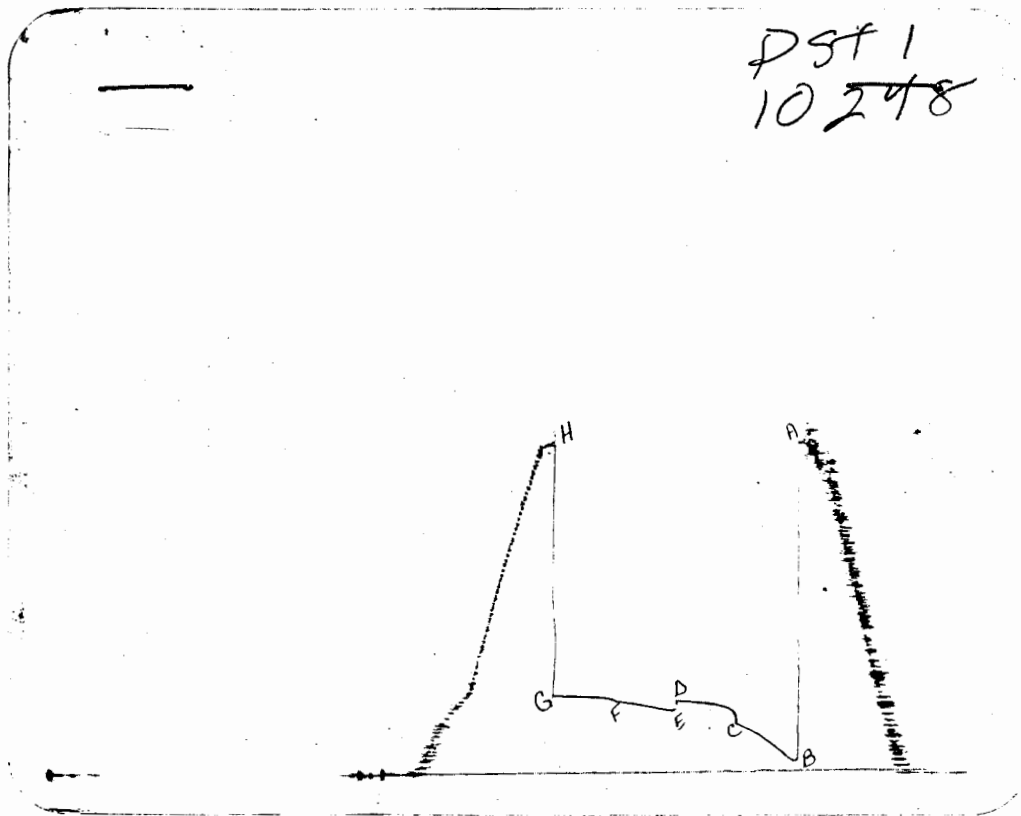
(E) Second Initial Flow Pressure 352.6 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 410.6 PSI @ (depth) w/Clock No.

(G) Final Shut-in Pressure 452.3 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1877.4 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ TOTAL PRICE \$ 550



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1903	1910.4
(B) FIRST INITIAL FLOW PRESSURE	67	72.3
(C) FIRST FINAL FLOW PRESSURE	281	285.6
(D) INITIAL CLOSED-IN PRESSURE	405	410.6
(E) SECOND INITIAL FLOW PRESSURE	349	352.6
(F) SECOND FINAL FLOW PRESSURE	405	410.6
(G) FINAL CLOSED-IN PRESSURE	450	452.3
(H) FINAL HYDROSTATIC MUD	1870	1877.4

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 4477

Well Name & No. MENDELHALL 1# Test No. 1 Date 2-14-92
 Company CASTLE RES INC. Zone Tested HC
 Address 1200 E 27TH BANK IV SUITE C HAYS Elevation _____
 Co. Rep./Geo. JERRY GREEN Cont. _____ Est. Ft. of Pay _____
 Location: Sec. 5 Twp. 15 Rge. 27 Co. GOVE State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3900 - 3940 Drill Pipe Size 4 1/2 X H
 Anchor Length 40 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3895 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3900 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 3940 Drill Collar — 2.25 Ft. Run 0
 Mud Wt. 9.2 lb / gal Viscosity 46 Filtrate 10.0
 Tool Open @ 4:20 AM Initial Blow Good Blow OFF BOTTOM IN 3 MIN

Final Blow Blow OFF BOTTOM IN 14 MIN
Blow off shut-in

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
90	340	
Rec. <u>90</u> Feet Of <u>G.O.C.W.M.</u>	1 % gas <u>8</u> % oil <u>20</u> % water <u>71</u> % mud	
Rec. <u>60</u> Feet Of <u>G.O.C.M.W.</u>	1 % gas <u>4</u> % oil <u>75</u> % water <u>20</u> % mud	
Rec. <u>786</u> Feet Of <u>G.O.C.W.</u>	1 % gas <u>TR</u> % oil <u>99</u> % 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 14 @ 61 °F Chlorides 50 200 ppm Recovery Chlorides 3800 ppm System
 (A) Initial Hydrostatic Mud 1903 PSI AK1 Recorder No. 13308 Range 4700
 (B) First Initial Flow Pressure 67 PSI @ (depth) 3902 w/Clock No. 27567
 (C) First Final Flow Pressure 281 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 405 PSI @ (depth) 3935 w/Clock No. 27501
 (E) Second Initial Flow Pressure 349 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 405 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 450 PSI Initial Opening 45 Test 550.00
 (H) Final Hydrostatic Mud 1870 PSI Initial Shut-in 45 Jars _____

Final Flow 45 Safety Joint _____
 Final Shut-in 45 Straddle _____
 Circ. Sub NC
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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 _____
 Our Representative [Signature]

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 MENDENHALL Test No. 2 Date 2/15/92
Company CASTLE RESOURCES Zone Tested KS CITY
Address 1200 E 27th BANK IV SUITE C HAYS KS Elevation 2490 G.L.
Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 5 Twp. 15S Rge. 27W Co. GOVE State KS

Interval Tested 3935-3975 Drill Pipe Size 4.5 XH
Anchor Length 40 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3930 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3935
Total Depth 3975

Mud Wt. 9.2 lb / gal. Viscosity 45 Filtrate 10

Tool Open @ 6:06 PM Initial Blow SURFACE BLOW TO 5.25" IN 45 MINUTES

Final Blow SURFACE BLOW TO 3.5" IN 45 MINUTES

Recovery - Total Feet 100 Flush Tool? NO

Rec. 80 Feet of GAS IN PIPE

Rec. 100 Feet of WATERY MUD-25%WTR/75%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.16 @ 64 °F Chlorides 53000 ppm Recovery Chlorides 4200 ppm System

(A) Initial Hydrostatic Mud 1970.5 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 52.3 PSI @ (depth) 3937 w/Clock No. 8376

(C) First Final Flow Pressure 52.3 PSI Ak1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 788.4 PSI @ (depth) 3970 w/Clock No. 27501

(E) Second Initial Flow Pressure 62.5 PSI Ak1 Recorder No. _____ Range _____

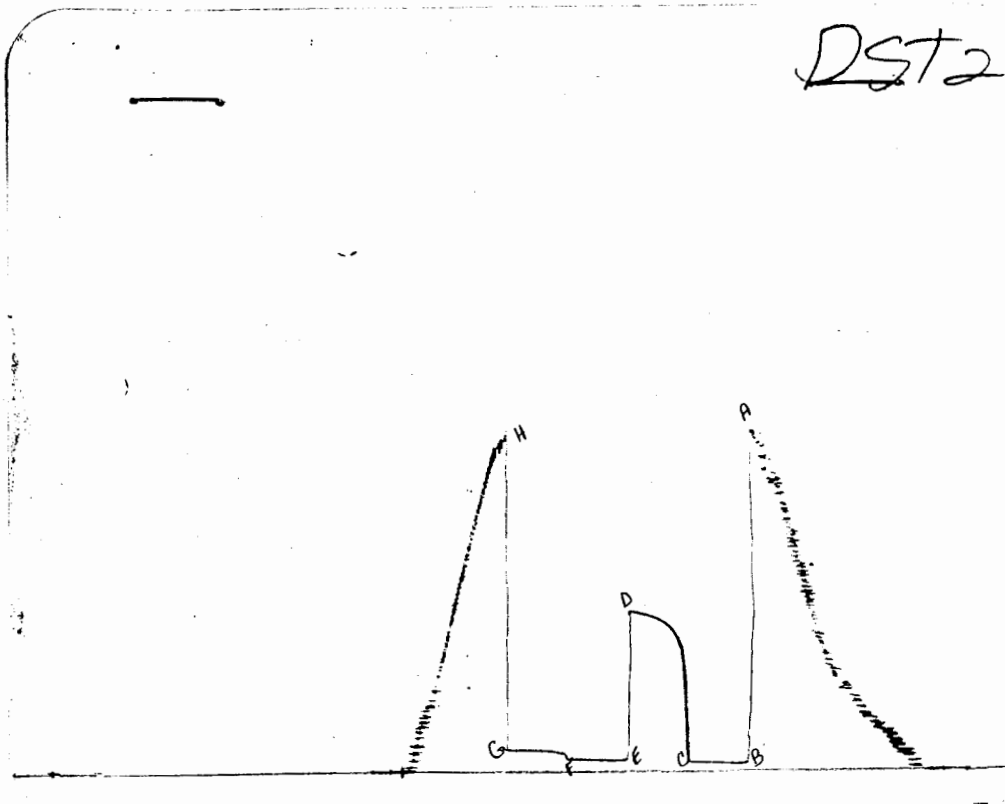
(F) Second Final Flow Pressure 62.5 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 140.7 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1920.5 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ TOTAL PRICE \$ 550

DST 2



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1962	1970.5
(B) FIRST INITIAL FLOW PRESSURE	48	52.3
(C) FIRST FINAL FLOW PRESSURE	48	52.3
(D) INITIAL CLOSED-IN PRESSURE	783	788.4
(E) SECOND INITIAL FLOW PRESSURE	60	62.5
(F) SECOND FINAL FLOW PRESSURE	60	62.5
(G) FINAL CLOSED-IN PRESSURE	133	140.7
(H) FINAL HYDROSTATIC MUD	1914	1920.5

TRILOBITE TESTING COMPANY LLC

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 4478

Well Name & No. MEADENHALL 1st Test No. 2 Date 2-15-91
Company CASTLE RES INC Zone Tested KC
Address 1200 E 27th BANK II SUITE C HAYS Elevation _____
Co. Rep./Geo. JERRY GREEN Cont. _____ Est. Ft. of Pay _____
Location: Sec. 5 Twp. 15 Rge. 27 Co. GOWE State KS
No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3935 - 75 Drill Pipe Size 4 1/2 XH
Anchor Length 40 Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 3930 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 3935 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 3995 Drill Collar — 2.25 Ft. Run _____
Mud Wt. 9.2 lb/gal. Viscosity 45 Filtrate 10.0
Tool Open @ 6:06 PM Initial Blow SUB TO 3 1/4" IN 45 MIN

Final Blow SUB BLOW TO 3 1/2" IN 45 MIN

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>100</u>	<u>80</u>	<u>—</u>
Rec. <u>100</u> Feet Of <u>W. MUD</u>	%gas _____ %oil <u>25</u> %water <u>75</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 _____ °API @ _____ °F Corrected Gravity _____ °API
RW 16 @ 64 °F Chlorides 53000 ppm Recovery Chlorides 4200 ppm System
(A) Initial Hydrostatic Mud 1962 PSI Ak1 Recorder No. 13308 Range 4700
(B) First Initial Flow Pressure 418 PSI @ (depth) 3937 w/Clock No. 4376
(C) First Final Flow Pressure 418 PSI Ak1 Recorder No. 10248 Range 4400
(D) Initial Shut-In Pressure 783 PSI @ (depth) 3970 w/Clock No. 27501
(E) Second Initial Flow Pressure 60 PSI Ak1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 60 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 133 PSI Initial Opening 45 Test 550.00
(H) Final Hydrostatic Mud 1914 PSI Initial Shut-In 45 Jars _____

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

Approved By _____
Our Representative _____
Extra Packer _____
Other _____
TOTAL PRICE \$ _____

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 MENDENHALL Test No. 3 Date 2/16/92
Company CASTLE RESOURCES Zone Tested FT SCOTT
Address 1200 E 27th BANK IV SUITE C HAYS KS Elevation 2490 G.L.
Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 5 Twp. 15S Rge. 27W Co. GOVE State KS

Interval Tested 4180-4225 Drill Pipe Size 4.5 XH
Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4175 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4180
Total Depth 4225

Mud Wt. 9.4 lb / gal. Viscosity 47 Filtrate 10.6

Tool Open @ 9:42 PM Initial Blow GOOD BLOW OFF BOTTOM IN 42 MINUTES

Final Blow SURFACE BLOW TO 5.5" IN 45 MINUTES

Recovery - Total Feet 60 Flush Tool? NO

Rec. 186 Feet of GAS IN PIPE

Rec. 60 Feet of GSY OIL STAINED MUD-1%GAS/2%OIL/97%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6800 ppm System

(A) Initial Hydrostatic Mud 2170.8 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 25.6 PSI @ (depth) 4190 w/Clock No. 17639

(C) First Final Flow Pressure 41.2 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 855.6 PSI @ (depth) 4220 w/Clock No. 27501

(E) Second Initial Flow Pressure 52.3 PSI AK1 Recorder No. _____ Range _____

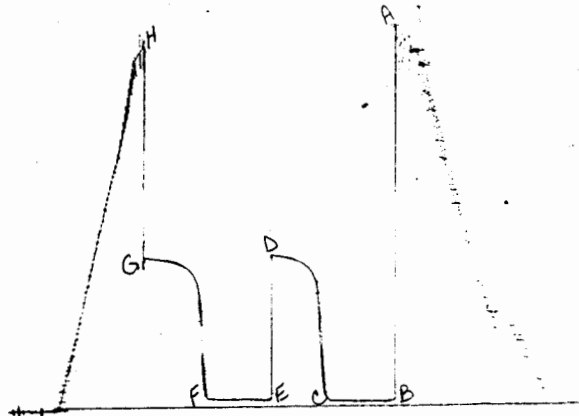
(F) Second Final Flow Pressure 41.2 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 855.6 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2120.6 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ TOTAL PRICE \$ 550

DST 3



POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2164	2170.8
(B) FIRST INITIAL FLOW PRESSURE	24	25.6
(C) FIRST FINAL FLOW PRESSURE	36	41.2
(D) INITIAL CLOSED-IN PRESSURE	853	855.6
(E) SECOND INITIAL FLOW PRESSURE	48	52.3
(F) SECOND FINAL FLOW PRESSURE	36	41.2
(G) FINAL CLOSED-IN PRESSURE	853	855.6
(H) FINAL HYDROSTATIC MUD	2116	2120.6

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 4479

Well Name & No. MEINDENHALL 1 Test No. 3 Date 2-16
 Company CASTLE PIES INC Zone Tested FT SCOTT
 Address 1200 E 27th BANK IV SUITE 'C' HAYS Elevation _____
 Co. Rep./Geo JERRY G REFFEN Cont. _____ Est. Ft. of Pay KS
 Location: Sec. 5 Twp. 15 Rge. 27 Co. GOVE State _____
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4180 4225 Drill Pipe Size 4 1/2 XH
 Anchor Length 45' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4175 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4180 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4225 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 94 lb/gal. Viscosity 47 Filtrate 10.6
 Tool Open @ 9:42 PM Initial Blow Good Blow FF Bottom in 42 MIN

Final Blow SUB Blow to 5 1/2" IN 45 MIN

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>60</u>	<u>186</u>	_____
Rec. <u>60</u> Feet Of <u>0.1 S Mud</u>	<u>1</u> % gas <u>2</u> % oil	% water <u>97</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 _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6800 ppm System
 (A) Initial Hydrostatic Mud 2164 PSI Ak1 Recorder No. 13308 Range 4700
 (B) First Initial Flow Pressure 24 PSI @ (depth) 4190 w/Clock No. 17639
 (C) First Final Flow Pressure 36 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-in Pressure 853 PSI @ (depth) 4220 w/Clock No. 27501
 (E) Second Initial Flow Pressure 48 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 36 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-in Pressure 853 PSI Initial Opening 45 Test 550.00
 (H) Final Hydrostatic Mud 2116 PSI Initial Shut-in 45 Jars _____

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Final Flow 45 Safety Joint _____
 Final Shut-in 45 Straddle _____
 Circ. Sub NG
 Sampler _____

Approved By _____
 Our Representative [Signature]

Extra Packer _____
 Other _____
 TOTAL PRICE \$ 650.00

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 MENDENHALL Test No. 4 Date 2/17/92
Company CASTLE RESOURCES Zone Tested MISSISSIPPI
Address 1200 E 27th BANK IV SUITE C HAYS KS Elevation 2490 G.L.
Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 5 Twp. 15S Rge. 27W Co. GOVE State KS

Interval Tested 4222-4320 Drill Pipe Size 4.5 XH
Anchor Length 98 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4217 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4222
Total Depth 4320

Mud Wt. 9.2 lb / gal. Viscosity 44 Filtrate 12.8

Tool Open @ 2:29 PM Initial Blow WEAK BLOW TO 2" IN 30 MINUTES

Final Blow SURFACE BLOW - FLUSHED TOOL-SURFACE BLOW DIED IN 4 MINU

Recovery - Total Feet 21 Flush Tool? YES

Rec. 20 Feet of OIL CUT MUD-3%OIL/97%MUD

Rec. 1 Feet of CLEAN OIL

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

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

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2199.6 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 41.2 PSI @ (depth) 4227 w/Clock No. 17639

(C) First Final Flow Pressure 25.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1094.7 PSI @ (depth) 4315 w/Clock No. 27501

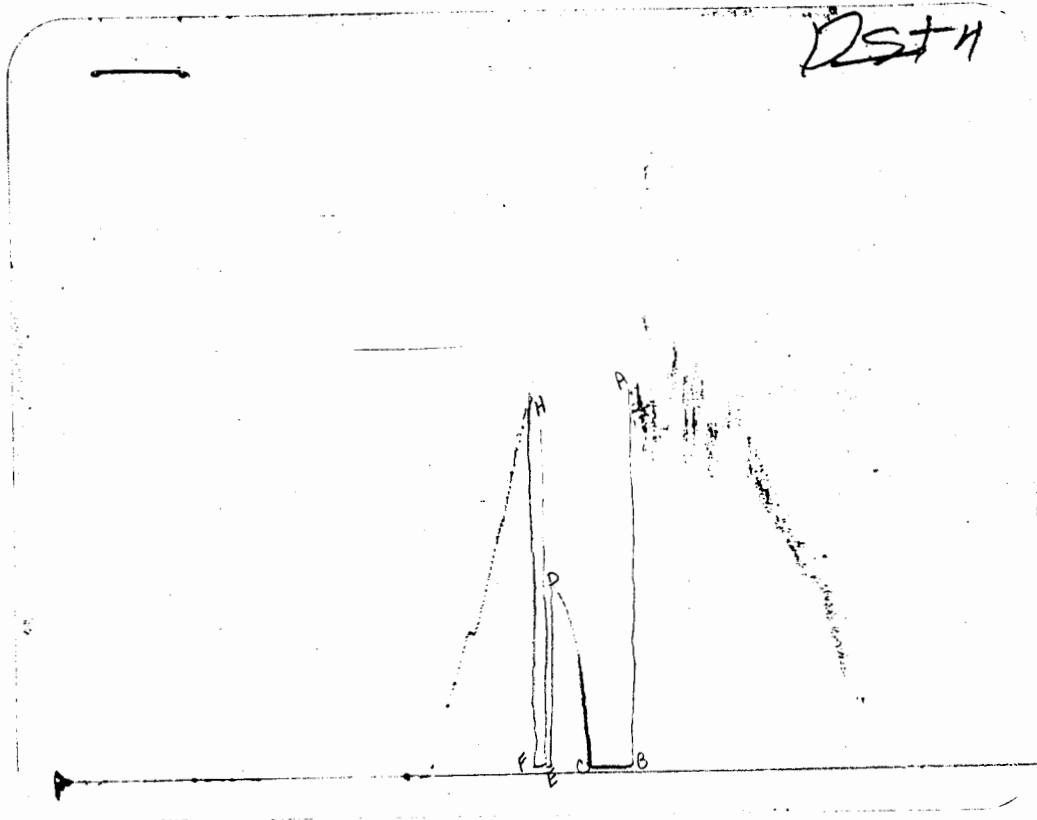
(E) Second Initial Flow Pressure 25.6 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 25.6 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure _____ PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 21304 PSI Initial Shut-in 30 Final Shut-in _____

Our Representative MARK HERSKOWITZ TOTAL PRICE \$ 550



This is an actual photograph of recorder chart
 POINT PRESSURE

POINT	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2187	2199.6
(B) FIRST INITIAL FLOW PRESSURE	36	41.2
(C) FIRST FINAL FLOW PRESSURE	24	25.6
(D) INITIAL CLOSED-IN PRESSURE	1088	1094.7
(E) SECOND INITIAL FLOW PRESSURE	24	25.6
(F) SECOND FINAL FLOW PRESSURE	24	25.6
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2128	21304

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4480

Well Name & No. MENDENBALL 1 Test No. 4 Date 2-17-92
 Company CASTLE RES INC Zone Tested MISS
 Address 1200E 27TH BANK IV SUITE C HAYS Elevation _____
 Co. Rep./Geo. JERRY GREEN Cont. EMPHASIS RIGS Est. Ft. of Pay _____
 Location: Sec. 5 Twp. 15 Rge. 27 Co. GOVE State _____
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4222 + 4320 Drill Pipe Size 4 1/2 X FT
 Anchor Length 98 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4217 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4222 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4320 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 44 Filtrate 12.8
 Tool Open @ 2:29 PM Initial Blow WEAK Blow to 2" IN 30 MIN

Final Blow SUR Blow Flush Tool SUR Blow DIES 4 MIN

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>21</u>	<u>—</u>	<u>3:34 PM</u>
Rec. <u>20</u> Feet Of <u>Oil & Mud</u>	%gas <u>3</u> %oil _____ %water <u>97</u> %mud _____	
Rec. <u>1</u> Feet Of <u>C O. I</u>	%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 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2187 PSI AK1 Recorder No. 13308 Range 4700
 (B) First Initial Flow Pressure 36 PSI @ (depth) 4227 w/Clock No. 17639
 (C) First Final Flow Pressure 24 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 1088 PSI @ (depth) 4315 w/Clock No. 27501
 (E) Second Initial Flow Pressure 24 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 24 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure _____ PSI Initial Opening 30 Test
 (H) Final Hydrostatic Mud 2128 PSI Initial Shut-In 30 Jars _____

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Final Flow 15 Safety Joint _____

Final Shut-In _____ Straddle _____

Circ. Sub NC

Sampler _____

Extra Packer _____

Other _____

TOTAL PRICE \$ _____

Approved By _____

Our Representative Mark Hershey