TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name VALENTA #1 Test No. 1 Date 8/14/92

Company HOWARD S. SHEPARD Zone LKC-"C,D,E"

Address 1325 STATE STREET HAYS KS 67601 Elevation 2168

Co. Rep./Geo. RON NELSON Cont. EMPHASIS RIG #6 Est. Ft. of Pay

Location: Sec. 15 Twp. 10S Rge. 18W Co. ROOKS State KS

Interval Tested 3445-3505

Anchor Length 60

Top Packer Depth 3440

Bottom Packer Depth 3445

Total Depth 3505

Drill Pipe Size 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run

Drill Collar – 2.25 Ft. Run

Mud Wt. 8.9 lb/Gal.

Viscosity 45 Filtrate 10.4

Tool Open @ 2:27 PM Initial Blow WEAK SURFACE BLOW DIED IN 15 MINUTES

Final Blow NO BLOW-FLUSHED TOOL-SURFACE BLOW DIED IN 3 MINUTES
PULLED TOOL

Recovery - Total Feet 5 Flush Tool? YES

Rec. 5 Feet of MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 99 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1674.3 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 27.4 PSI @ (depth) 3879 w / Clock No. 27501

(C) First Final Flow Pressure 28.5 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 611.2 PSI @ (depth) 3504 w / Clock No. 8179

(E) Second Initial Flow Pressure 27.4 PSI AK1 Recorder No. Range

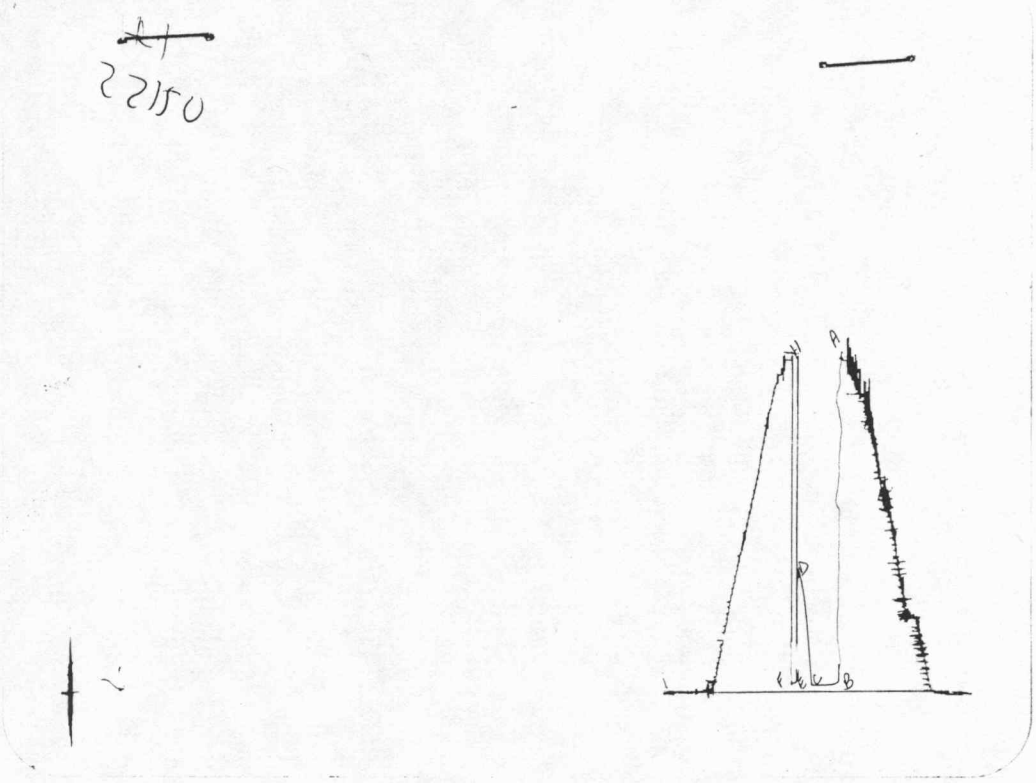
(F) Second Final Flow Pressure 27.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 15 Final Flow 5

(H) Final Hydrostatic Mud 1670.9 PSI Initial Shut-in 15 Final Shut-in

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1675	1674.3
(B) FIRST INITIAL FLOW PRESSURE	28	27.4
(C) FIRST FINAL FLOW PRESSURE	28	28.5
(D) INITIAL CLOSED-IN PRESSURE	604	611.2
(E) SECOND INITIAL FLOW PRESSURE	28	27.4
(F) SECOND FINAL FLOW PRESSURE	28	27.4
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1665	1670.9

TRILOBITE TESTING L.L.C.

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Test Ticket

No 5204

Well Name & No. Valenta #1 Test No. 1 Date 8-14-92

Company Howard S. Shepard Zone Tested LKC 'C-E'

Address 1325 State Street Hays Ks 67601 Elevation 2168

Co. Rep./Geo. Ron Nelson Cont. Emphasis #6 Est. Ft. of Pay

Location: Sec. 15 Twp. 10s Rge. 18w Co. Rooks State Ks

No. of Copies 5 Distribution Sheet Yes X No Turnkey X Yes No Evaluation

Interval Tested 3445-3505 Drill Pipe Size 4½ XH

Anchor Length 60 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 3440 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 3445 Wt. Pipe I.D. — 2.7 Ft. Run

Total Depth 3505 Drill Collar — 2.25 Ft. Run

Mud Wt. 8.9 lb/gal. Viscosity 45 Filtrate 10.4

Tool Open @ 2:27 PM Initial Blow weak surface blow died in 15 Minutes

Final Blow No blow - flush tool - Surface blow died in 3 min pulled tool

Recovery — Total Feet 5 Feet of Gas in Pipe Flush Tool? Y

Rec. 5	Feet Of Mud	%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
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 99 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud	1675 PSI	AK1 Recorder No.	22150	Range	3925
(B) First Initial Flow Pressure	28 PSI	@ (depth)	3479	w/Clock No.	27501
(C) First Final Flow Pressure	28 PSI	AK1 Recorder No.	24174	Range	3050
(D) Initial Shut-In Pressure	604 PSI	@ (depth)	3504	w/Clock No.	8174
(E) Second Initial Flow Pressure	28 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	28 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	— PSI	Initial Opening	15	Test	
(H) Final Hydrostatic Mud	1665 PSI	Initial Shut-In	15	Jars	
		Final Flow	5	Safety Joint	
		Final Shut-In	—	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	

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 #69474

Our Representative Paul Simpson

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name VALENTA #1 Test No. 2 Date 8/15/92

Company HOWARD S. SHEPARD Zone CONGLOMERATE

Address 1325 STATE STREET HAYS KS 67601 Elevation 2168

Co. Rep./Geo. RON NELSON Cont. EMPHASIS RIG #6 Est. Ft. of Pay

Location: Sec. 15 Twp. 10S Rge. 18W Co. ROOKS State KS

Interval Tested 3680-3716 Drill Pipe Size 4.5" XH

Anchor Length 36 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3675 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3680 Mud Wt. 8.9 lb/Gal.

Total Depth 3716 Viscosity 47 Filtrate 10.4

Tool Open @ 10:31 AM Initial Blow 1/4" BLOW DECREASING TO 1/8"

Final Blow NO BLOW- PULLED TOOL

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of MUD WITH OIL SPOTS

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 102 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1844.7 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 39.5 PSI @ (depth) 3684 w / Clock No. 27501

(C) First Final Flow Pressure 36.8 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 855.4 PSI @ (depth) 3715 w / Clock No. 8176

(E) Second Initial Flow Pressure 36.8 PSI AK1 Recorder No. Range

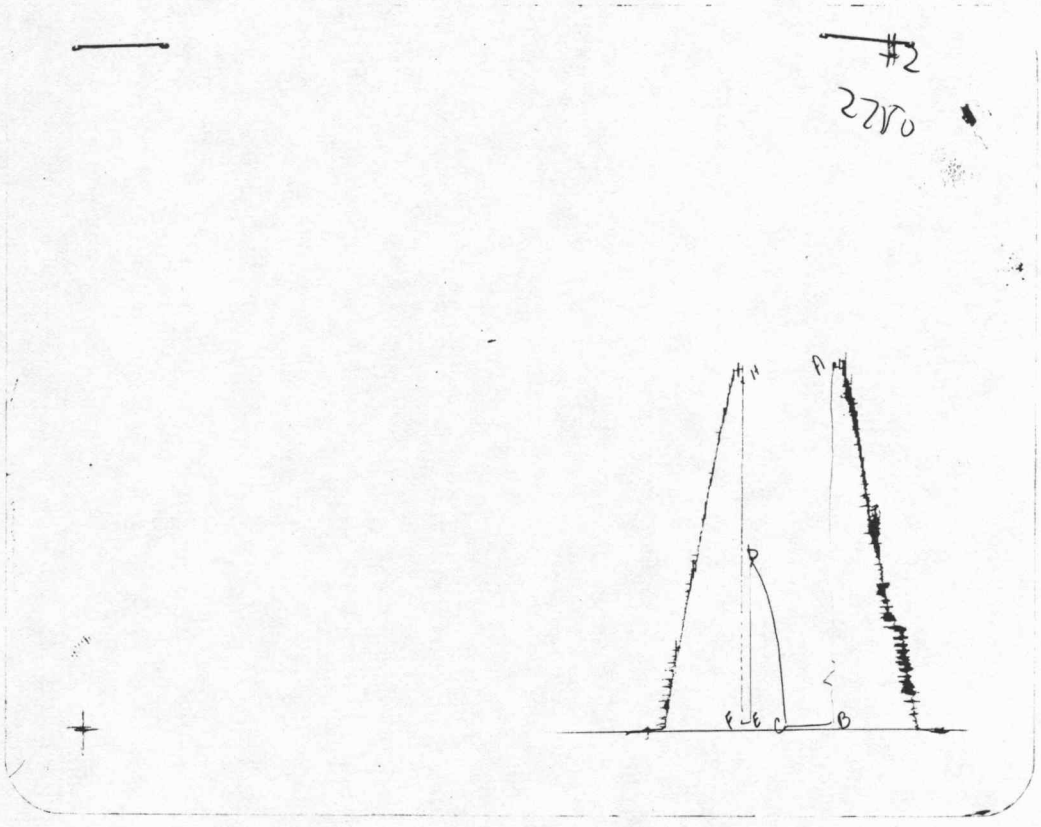
(F) Second Final Flow Pressure 36.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 30 Final Flow 5

(H) Final Hydrostatic Mud 1810.4 PSI Initial Shut-in 30 Final Shut-in

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1842	1844.7
(B) FIRST INITIAL FLOW PRESSURE	38	39.5
(C) FIRST FINAL FLOW PRESSURE	38	36.8
(D) INITIAL CLOSED-IN PRESSURE	857	855.4
(E) SECOND INITIAL FLOW PRESSURE	38	36.8
(F) SECOND FINAL FLOW PRESSURE	38	36.8
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1803	1810.4

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 5205

Well Name & No. Valenta #1 Test No. 2 Date 8-15-92

Company Howard S. Shepard Zone Tested Conq

Address 1325 State Street Hays Ks 67601 Elevation 2168

Co. Rep./Geo. Ron Nelson Cont. Emphasis #6 Est. Ft. of Pay

Location: Sec. 15 Twp. 10s Rge. 18w Co. Rooks State Ks

No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 3680-3716 Drill Pipe Size 4½ X/H

Anchor Length 36 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 3675 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 3680 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 3716 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 8.9 lb / gal. Viscosity 47 Filtrate 10.4

Tool Open @ 10:31AM Initial Blow ½" blow decreasing to ⅛"

Final Blow no blow - pulled tool

Recovery — Total Feet 10 Feet of Gas in Pipe ____ Flush Tool? ____

Rec. 10	Feet Of mud w/oil spots	%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
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 102 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	1842 PSI	AK1 Recorder No.	22150	Range	3925
(B) First Initial Flow Pressure	38 PSI	@ (depth)	3684	w/Clock No.	27501
(C) First Final Flow Pressure	38 PSI	AK1 Recorder No.	24174	Range	3050
(D) Initial Shut-In Pressure	857 PSI	@ (depth)	3715	w/Clock No.	8176
(E) Second Initial Flow Pressure	38 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	38 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-In Pressure	— PSI	Initial Opening	30	Test	Y
(H) Final Hydrostatic Mud	1803 PSI	Initial Shut-In	30	Jars	____
		Final Flow	5	Safety Joint	____
		Final Shut-In	____	Straddle	____
				Circ. Sub	____
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	____

Approved By ____

Our Representative Paul Smyser

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