TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HINEMAN #1 Test No. 1 Date 6/23/92

Company ARGENT ENERGY, INC. Zone LKC-'140-160

Address 110 S MAIN #550 WICHITA KS 67202 Elevation 2759

Co. Rep./Geo. SCOTT OATSDEAN Cont. MURFIN RIG #8 Est. Ft. of Pay

Location: Sec. 9 Twp. 19S Rge. 28W Co. LANE State KS

Interval Tested 4154-4230

Anchor Length 76

Top Packer Depth 4149

Bottom Packer Depth 4154

Total Depth 4230

Drill Pipe Size 4.5 XH

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

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.1 lb/Gal.

Viscosity 47 Filtrate 9.2

Tool Open @ 3:11 AM Initial Blow 1/2" BLOW BUILDING TO BOTTOM OF BUCKET IN 25 MINUTES

Final Blow VERY WEAK SURFACE BLOW BUILDING TO BOTTOM OF BUCKET IN 36 MINUTES

Recovery - Total Feet 435 Flush Tool? NO

Rec. 75 Feet of MUD

Rec. 240 Feet of MUDDY WTR W/ FEW SPECKS

Rec. 120 Feet of SALT WATER

Rec. Feet of

Rec. Feet of

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

RW 0.217 @ 67.3 °F Chlorides 34000 ppm Recovery Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud 2120.6 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 62.3 PSI @ (depth) 4157 w / Clock No. 19960

(C) First Final Flow Pressure 115.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1067.9 PSI @ (depth) 4224 w / Clock No. 27501

(E) Second Initial Flow Pressure 126.4 PSI AK1 Recorder No. Range

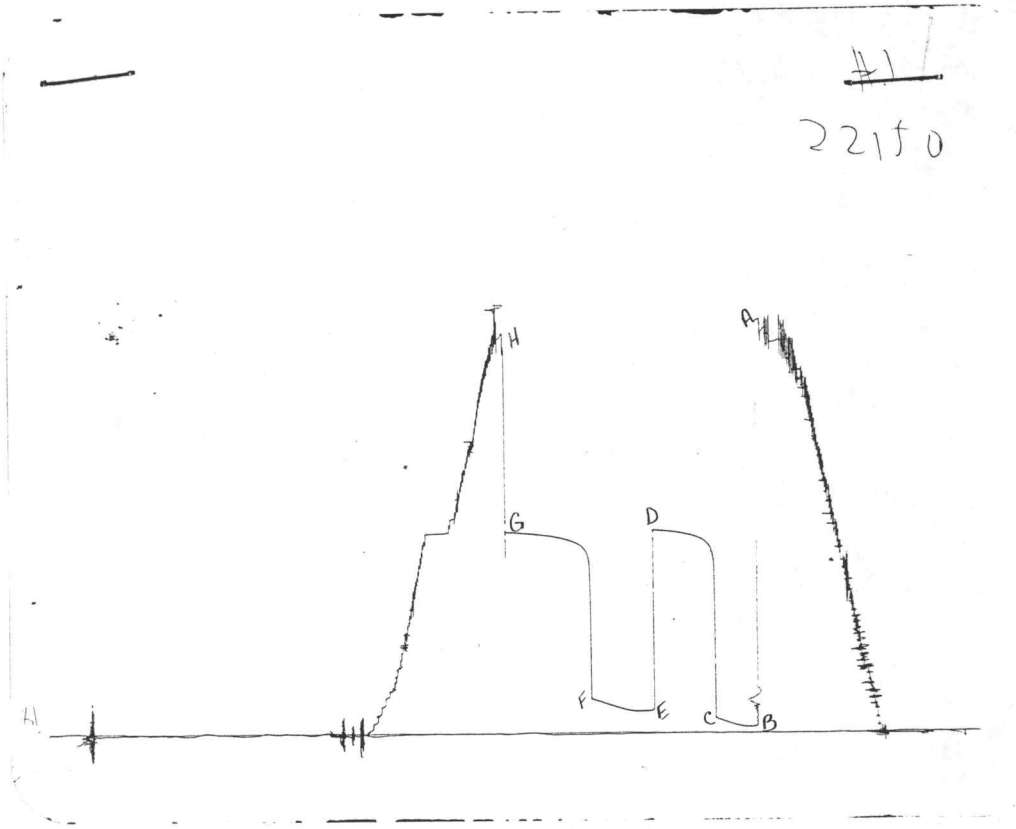
(F) Second Final Flow Pressure 220.5 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1060.5 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2055.3 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2118	2120.6
(B) FIRST INITIAL FLOW PRESSURE	57	62.3
(C) FIRST FINAL FLOW PRESSURE	114	115.8
(D) INITIAL CLOSED-IN PRESSURE	1067	1067.9
(E) SECOND INITIAL FLOW PRESSURE	125	126.4
(F) SECOND FINAL FLOW PRESSURE	216	220.5
(G) FINAL CLOSED-IN PRESSURE	1056	1060.5
(H) FINAL HYDROSTATIC MUD	2052	2055.3

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 4917

Well Name & No. Fireman #1 Test No. 1 Date 6-23-92

Company Argent Energy, Inc Zone Tested LKC 140 - 160'

Address 1105 Main #550 Wichita KS 67202 Elevation 2759

Co. Rep./Geo. Scott Oatsdean Cont. Murfin #8 Est. Ft. of Pay

Location: Sec. 9 Twp. 19s Rge. 28w Co. Lane State Ks

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

Interval Tested 4154-4230 Drill Pipe Size 4½ XH

Anchor Length 76 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4149 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4154 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 4230 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.1 lb / gal. Viscosity 47 Filtrate 9.2

Tool Open @ 3:11 AM Initial Blow ½" blow building to bottom of bucket in 25 minutes

Final Blow very weak surface blow building to bottom of bucket in 36 minutes

Recovery — Total Feet 435 Feet of Gas in Pipe ____ Flush Tool? ____

Rec. 75	Feet Of	Mud	%gas	%oil	%water	%mud
Rec. 240	Feet Of	Muddy water w/few specks	%gas	%oil	%water	%mud
Rec. 120	Feet Of	salt water	%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 .217 @ 67.3 °F Chlorides 34,000 ppm Recovery Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud	2118 PSI	AK1 Recorder No. 2150	Range 3925		
(B) First Initial Flow Pressure	57 PSI	@ (depth) 4157	w/Clock No. 19960		
(C) First Final Flow Pressure	114 PSI	AK1 Recorder No. 10248	Range 4400		
(D) Initial Shut-In Pressure	1067 PSI	@ (depth) 4224	w/Clock No. 27501		
(E) Second Initial Flow Pressure	125 PSI	AK1 Recorder No. ____	Range ____		
(F) Second Final Flow Pressure	216 PSI	@ (depth) ____	w/Clock No. ____		
(G) Final Shut-In Pressure	1056 PSI	Initial Opening 30	Test X		
(H) Final Hydrostatic Mud	2052 PSI	Initial Shut-In 45	Jars /		
		Final Flow 45	Safety Joint X		
		Final Shut-In 60	Straddle ____		
			Circ. Sub ____		
			Sampler ____		
			Extra Packer ____		
			Other ____		
			TOTAL PRICE $ 800.00		

Approved By Scott A Oatsdean

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 HINEMAN #1 Test No. 2 Date 6/23/92

Company ARGENT ENERGY, INC. Zone LKC-160'

Address 110 S MAIN #550 WICHITA KS 67202 Elevation 2759

Co. Rep./Geo. SCOTT OATSDEAN Cont. MURFIN RIG #8 Est. Ft. of Pay

Location: Sec. 9 Twp. 19S Rge. 28W Co. LANE State KS

Interval Tested 4196-4230

Anchor Length 34

Top Packer Depth 4191

Bottom Packer Depth 4196

Total Depth 4230

Drill Pipe Size 4.5 XH

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

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.2 lb/Gal.

Viscosity 50 Filtrate 10.8

Tool Open @ 12:35 PM Initial Blow WEAK 1/2" BLOW THROUGHOUT - DECREASING TO 1/4"

Final Blow NO BLOW

Recovery - Total Feet 15 Flush Tool? NO

Rec. 15 Feet of MUD W/ WATER IN TOOL & OIL SPECKS

Rec. Feet of

Rec. 0 Feet of

Rec. Feet of

Rec. Feet of

BHT 119 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2140.6 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 25.8 PSI @ (depth) 4199 w / Clock No. 19960

(C) First Final Flow Pressure 25.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 630.1 PSI @ (depth) 4229 w / Clock No. 27501

(E) Second Initial Flow Pressure 25.8 PSI AK1 Recorder No. Range

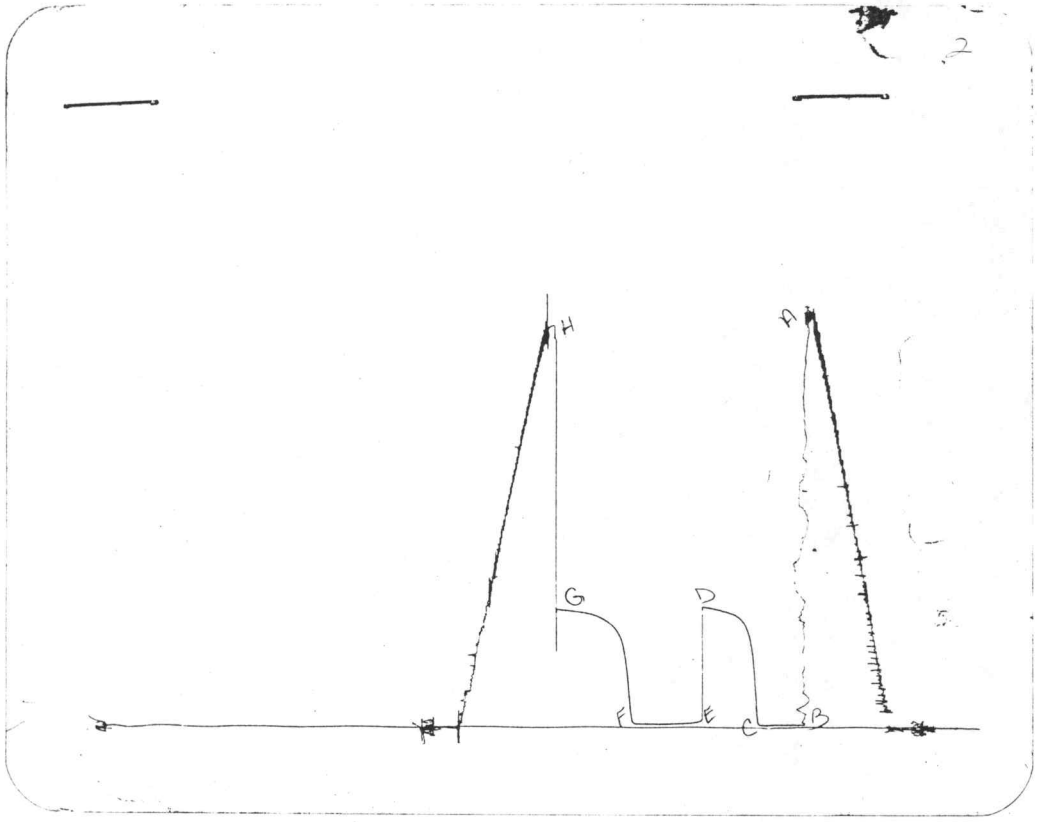
(F) Second Final Flow Pressure 25.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 621.3 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2054.2 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2140	2140.6
(B) FIRST INITIAL FLOW PRESSURE	23	25.8
(C) FIRST FINAL FLOW PRESSURE	23	25.8
(D) INITIAL CLOSED-IN PRESSURE	628	630.1
(E) SECOND INITIAL FLOW PRESSURE	23	25.8
(F) SECOND FINAL FLOW PRESSURE	23	25.8
(G) FINAL CLOSED-IN PRESSURE	617	621.3
(H) FINAL HYDROSTATIC MUD	2051	2054.2

TRILOBITE TESTING L.L.C.
P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 4918

Well Name & No. Hineman Test No. 2 Date 6-23-92
Company Argent Energy, Inc Zone Tested LKC 160
Address Elevation 2759
Co. Rep./Geo. Scott Ostrander Cont. Murfin #8 Est. Ft. of Pay
Location: Sec. 9 Twp. 19s Rge. 25w Co. Lane State Ks
No. of Copies 5 Distribution Sheet Yes X No Turnkey Yes X No Evaluation

Interval Tested 4196-4230 Drill Pipe Size 4½ XH
Anchor Length 34 Top Choke — 1" Bottom Choke — ¾"
Top Packer Depth 4191 Hole Size — 7⅞" Rubber Size — 6¾"
Bottom Packer Depth 4196 Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth 4230 Drill Collar — 2.25 Ft. Run
Mud Wt. 9.2 lb / gal. Viscosity 50 Filtrate 10.8
Tool Open @ 12:15 PM Initial Blow Weak ½" blow throughout decreasing to ¼"
Final Blow no blow

Recovery — Total Feet 15 Feet of Gas in Pipe Flush Tool?

Rec. 15 Feet Of	mud w/water in tool	%gas	%oil	%water	%mud
Rec. Feet Of	& oilspecks	%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 119 °F Gravity °API @ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud	2140 PSI	Ak1 Recorder No. 22150		Range 3925	
(B) First Initial Flow Pressure	23 PSI	@ (depth) 4179		w/Clock No. 19960	
(C) First Final Flow Pressure	23 PSI	AK1 Recorder No. 10248		Range 4400	
(D) Initial Shut-In Pressure	628 PSI	@ (depth) 4229		w/Clock No. 27501	
(E) Second Initial Flow Pressure	23 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	23 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	617 PSI	Initial Opening 30		Test	
(H) Final Hydrostatic Mud	2051 PSI	Initial Shut-In 45		Jars	
		Final Flow 45		Safety Joint	
		Final Shut-In 60		Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $ 550.00	

Approved By Scott A Ostrander
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 HINEMAN #1 Test No. 3 Date 6/24/92

Company ARGENT ENERGY, INC. Zone LKC-220'

Address 110 S MAIN #550 WICHITA KS 67202 Elevation 2759

Co. Rep./Geo. SCOTT OATSDEAN Cont. MURFIN RIG #8 Est. Ft. of Pay 6

Location: Sec. 9 Twp. 19S Rge. 28W Co. LANE State KS

Interval Tested 4296-4310 Drill Pipe Size 4.5 XH

Anchor Length 14 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4291 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4296 Mud Wt. N/A lb/Gal.

Total Depth 4310 Viscosity N/A Filtrate N/A

Tool Open @ 10:35 AM Initial Blow VERY STRONG - BOTTOM OF BUCKET IN 20 SECONDS
(BLOW BACK BUILT TO BOTTOM OF BUCKET IN 12 MINUTES

Final Blow VERY WEAK SURFACE BLOW

Recovery - Total Feet 2650 Flush Tool? NO

Rec. 850 Feet of GAS IN PIPE

Rec. 2590 Feet of GASSY OIL-30%GAS/70%OIL

Rec. 60 Feet of OIL CUT MUD-10%OIL/90%MUD

Rec. Feet of

Rec. Feet of

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

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2155.3 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 937.8 PSI @ (depth) 4300 w / Clock No. 19960

(C) First Final Flow Pressure 978.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 980.5 PSI @ (depth) 4309 w / Clock No. 27501

(E) Second Initial Flow Pressure 980.5 PSI AK1 Recorder No. Range

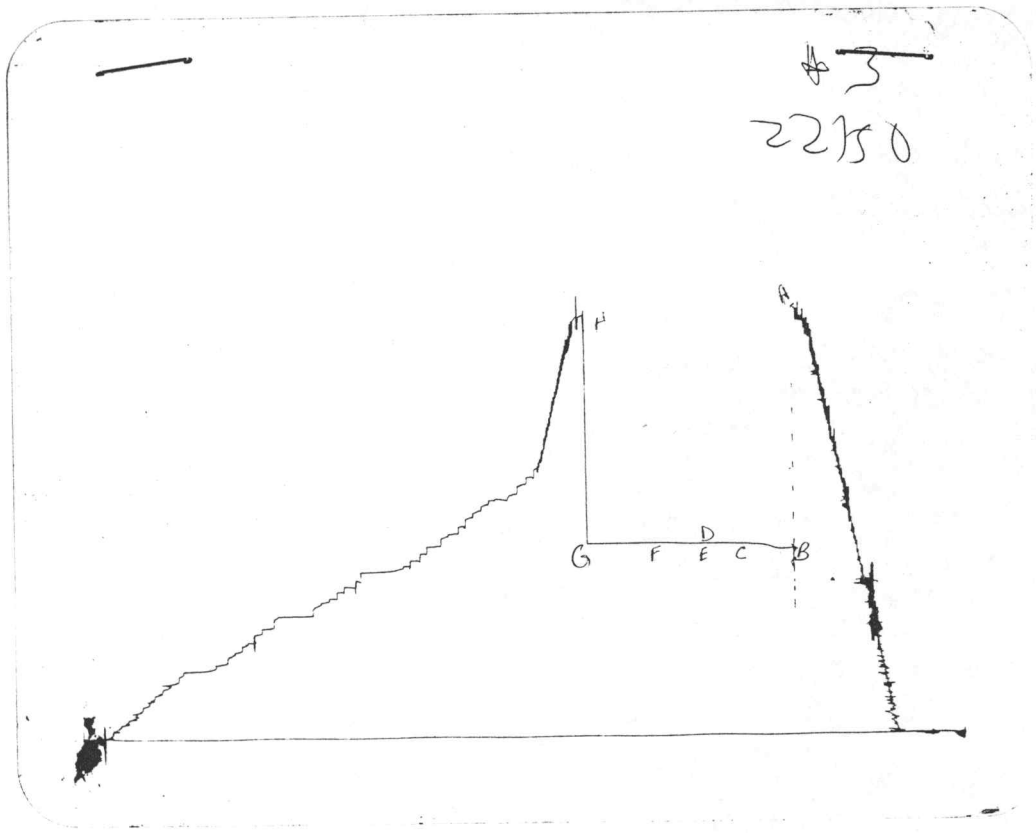
(F) Second Final Flow Pressure 980.5 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 980.5 PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 2139.7 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

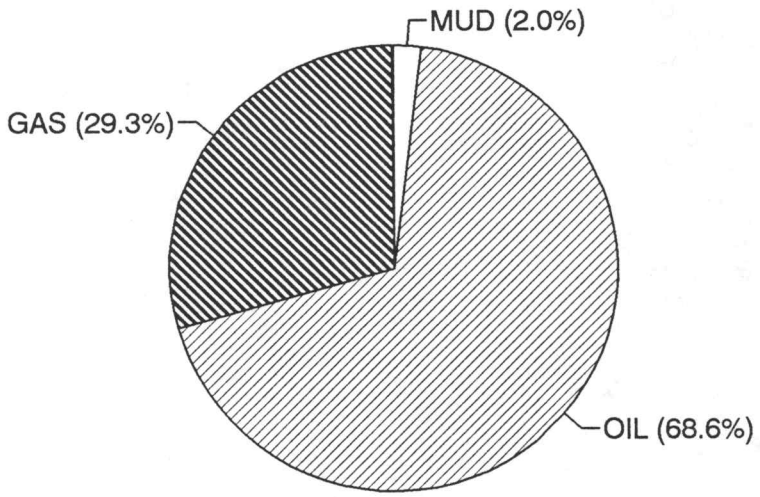
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2151	2155.3
(B) FIRST INITIAL FLOW PRESSURE	935	937.8
(C) FIRST FINAL FLOW PRESSURE	968	978.3
(D) INITIAL CLOSED-IN PRESSURE	968	980.5
(E) SECOND INITIAL FLOW PRESSURE	968	980.5
(F) SECOND FINAL FLOW PRESSURE	968	980.5
(G) FINAL CLOSED-IN PRESSURE	968	980.5
(H) FINAL HYDROSTATIC MUD	2140	2139.7

CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 3 TICKET 4919

SAMPLE	TOTAL	GAS			OIL	WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	2590	30	777	70	1813	0	0	0	0
2	60	0	0	10	6	0	0	90	54
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	2650	29.320755	777	68.6	1819	0	0	2.04	54

			HRS	BBL/DAY
BBL OIL=	25.86618	*	0.75	827.72
BBL WATER=	0	*		0
BBL MUD=	0.76788			
BBL GAS	11.04894			



HINEMAN #1 DST #3
INITIAL SHUTIN

30 TOTAL FL TIME

Slope 144.58 psi/cycle
P * 1230 psi

TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
15	949.6	0.477	949.6	3
30	952.5	0.301	2.9	2
45	952.5	0.222	0.0	2

INITIAL FLOW

RECORDER # 10248 DST # 3

TIME(MIN)	PRESSURE	<> PRESSURE
0	937.8	937.8
3	938.9	1.1
6	942.2	3.3
9	950.9	8.7
12	960.8	9.9
15	968.4	7.6
18	973.9	5.5
21	975	1.1
24	976.1	1.1
27	977.2	1.1
30	978.3	1.1

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name LYDA-WEBS Test No. 1 Date 9/9/92

Company ARGENT ENERGY, INC. Zone CHEROKEE

Address 110 S MAIN #550 WICHITA KS 67202 Elevation 2171

Co. Rep./Geo. SCOTT OATSDEAN Cont. MURFIN RIG #* Est. Ft. of Pay

Location: Sec. 10 Twp. 19S Rge. 20W Co. RUSH State KS

Interval Tested 4154-4190

Anchor Length 36

Top Packer Depth 4149

Bottom Packer Depth 4154

Total Depth 4190

Drill Pipe Size 4.5 XH

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

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.2 lb/Gal.

Viscosity 57 Filtrate 11.2

Tool Open @ 3:20 PM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 50 SECONDS

Final Blow NONE TAKEN

Recovery - Total Feet 745 Flush Tool? NO

Rec. 745 Feet of GASSY WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 116 °F Gravity °API @ °F Corrected Gravity °API

RW 0.36 @ 80 °F Chlorides 16500 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2133.6 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 325.7 PSI @ (depth) 4158 w / Clock No. 30401

(C) First Final Flow Pressure 371.2 PSI AK1 Recorder No. 24174 Range 3025

(D) Initial Shut-in Pressure PSI @ (depth) 4189 w / Clock No. 27573

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

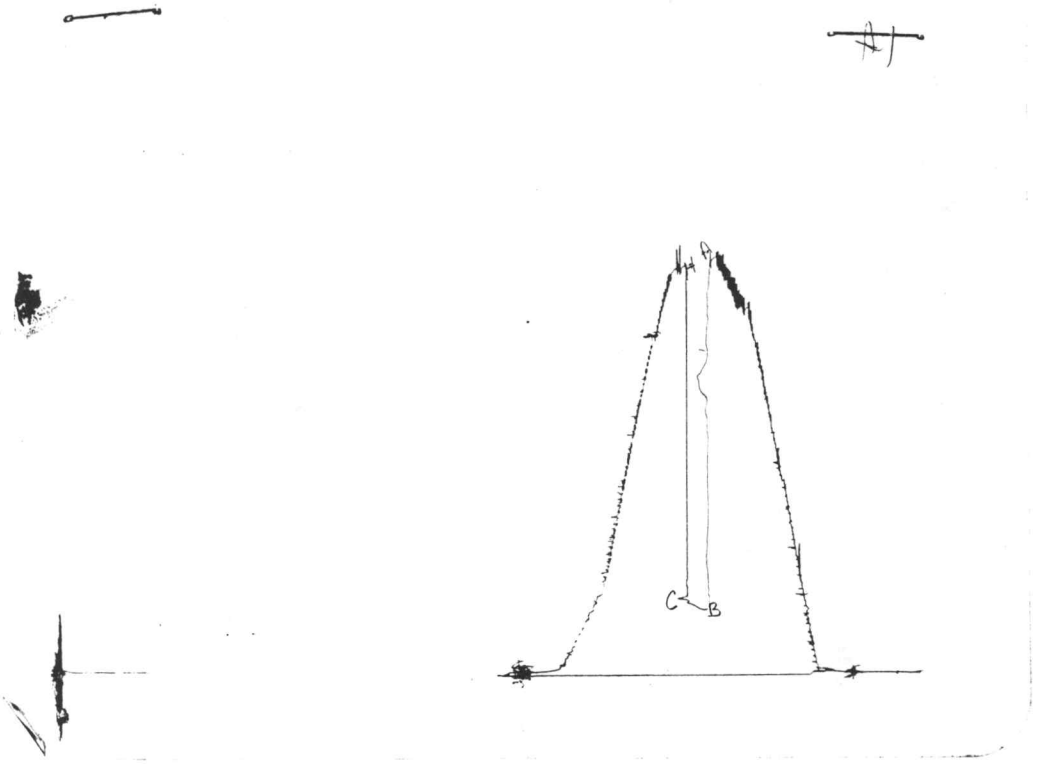
(F) Second Final Flow Pressure PSI @ (depth) w / Clock No.

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

(H) Final Hydrostatic Mud 2051.7 PSI Initial Shut-in 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	2128	2133.6
(B) FIRST INITIAL FLOW PRESSURE	323	325.7
(C) FIRST FINAL FLOW PRESSURE	369	371.2
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2050	2051.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

NO 5214

Well Name & No. Lyda-Webs Test No. 1 Date 9-9-92

Company Argent Energy Zone Tested Cherokee

Address 110 S Main Suite 510 Wichita Ks 67202 Elevation 2171 KB

Co. Rep./Geo. Scott Ostsdeen Cont. Murfin #8 Est. Ft. of Pay

Location: Sec. 10 Twp. 19s Rge. 20w Co. Rush State Ks

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

Interval Tested 4154 - 4190 Drill Pipe Size 4½ XH

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

Top Packer Depth 4149 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4154 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 4190 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.2 lb / gal. Viscosity 57 Filtrate 11.2

Tool Open @ 3:20PM Initial Blow Strong blow bottom bucket in 50 sec

Final Blow none taken

Recovery — Total Feet 745 Feet of Gas in Pipe ____ Flush Tool? ____

Rec. 745	Feet Of	gassy water	%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 116 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .36 @ 80 °F Chlorides 16,500 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2128 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 323 PSI @ (depth) 4158 w/Clock No. 30401

(C) First Final Flow Pressure 369 PSI AK1 Recorder No. 24174 Range 3025

(D) Initial Shut-In Pressure ____ PSI @ (depth) 4189 w/Clock No. 27573

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

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

(G) Final Shut-In Pressure ____ PSI Initial Opening 15 Test ____

(H) Final Hydrostatic Mud 2050 PSI Initial Shut-In — Jars X

Final Flow — Safety Joint X

Final Shut-In ____ Straddle ____

Circ. Sub ____

Sampler ____

Extra Packer ____

Other ____

TOTAL PRICE $ ____

Approved By Scott A Ostsdeen

Our Representative Paul Simpson

Printcraft Printers - Hays, KS