

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CHAMBERS "D" #4 Test No. 1 Date 12/16/92
Company ADECO INC / LESTER CHAMBERS Zone LANSING
Address 310 E ASH OBERLIN KS 67749 Elevation 2599
Co. Rep./Geo. CASEY GALLOWAY Cont. EMPHASIS RIG #8 Est. Ft. of Pay _____
Location: Sec. 16 Twp. 2S Rge. 27W Co. DECATUR State KS

Interval Tested 3422-3500 Drill Pipe Size 4.5" XH
Anchor Length 78 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3417 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3422 Mud Wt. 9.3 lb/Gal.
Total Depth 3500 Viscosity 46 Filtrate 8.4

Tool Open @ 5:15 PM Initial Blow WEAK BLOW - SLOW INCREASE TO 3" IN WATER

Final Blow WEAK BLOW - SLOW INCREASE TO 3" IN WATER

Recovery - Total Feet 72 Flush Tool? NO

Rec. 72 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 105 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 5.33 @ 58 °F Chlorides 1600 ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud 1715.6 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 24.6 PSI @ (depth) 3497 w / Clock No. 22993

(C) First Final Flow Pressure 31.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1005.2 PSI @ (depth) 3426 w / Clock No. 30410

(E) Second Initial Flow Pressure 33.6 PSI AK1 Recorder No. _____ Range _____

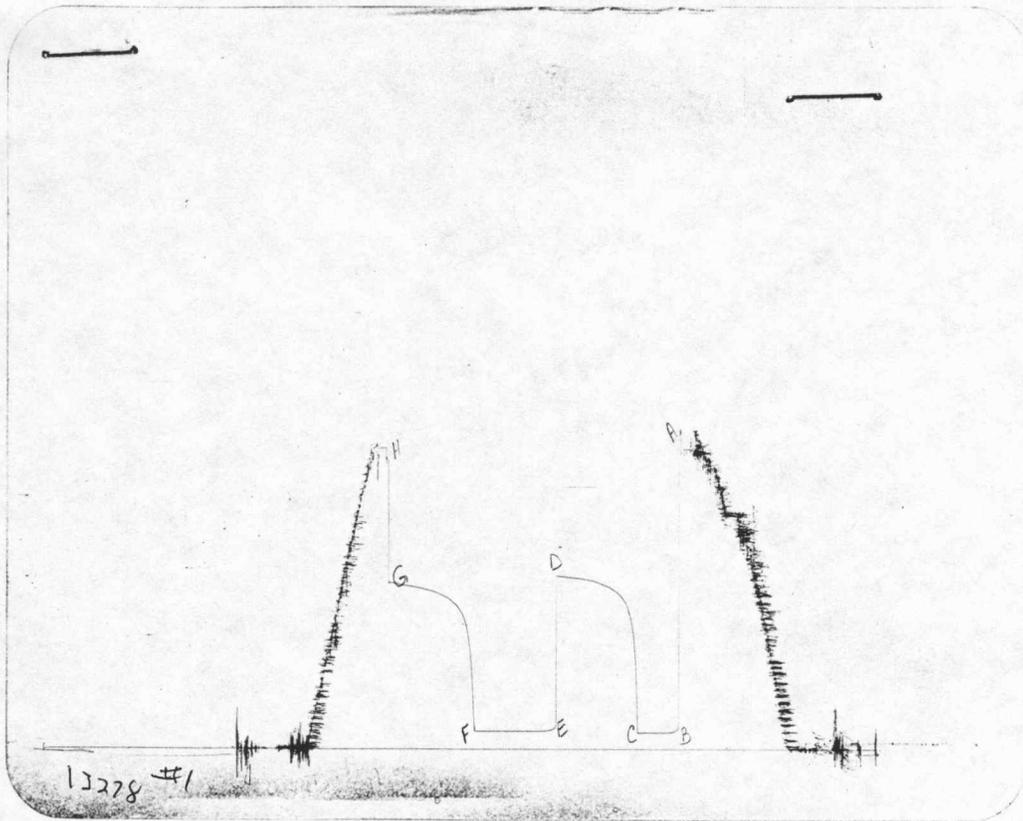
(F) Second Final Flow Pressure 60.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 966.7 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1705.6 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1711	1715.6
(B) FIRST INITIAL FLOW PRESSURE	21	24.6
(C) FIRST FINAL FLOW PRESSURE	30	31.6
(D) INITIAL CLOSED-IN PRESSURE	1003	1005.2
(E) SECOND INITIAL FLOW PRESSURE	32	33.6
(F) SECOND FINAL FLOW PRESSURE	58	60.4
(G) FINAL CLOSED-IN PRESSURE	961	966.7
(H) FINAL HYDROSTATIC MUD	1698	1705.6

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Test Ticket

No 5876

Well Name & No. CHAMBERS "D" #4 Test No. 1 Date 12-16-92
 Company ADCO INC. / LESTER CHAMBERS Zone Tested LANS.
 Address 310 E. ASH OBERLIN Ks. 67749 Elevation 2599 K.B. est.
 Co. Rep./Geo. CASEY GALLOWAY cont. EMPHASIS OIL CORP. #8 Est. Ft. of Pay _____
 Location: Sec. 16 Twp. 2^S Rge. 27^W Co. DECATUR State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3422 - 3500' Drill Pipe Size 4 1/2" X.H.
 Anchor Length 78' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 3417' Hole Size — 77/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 3422' Wt. Pipe I.D. — 2.7 Ft. Run NONE
 Total Depth 3500' Drill Collar — 2.25 Ft. Run NONE
 Mud Wt. 9.3 lb/gal. Viscosity 46 Filtrate 8.4 cc.
 Tool Open @ 5:15 PM. Initial Blow Weak blow (slow increase to 3" in H₂O)
 Final Blow Weak blow (slow increase to 3" in H₂O)

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>72'</u>	<u>NONE</u>	<u>No</u>
Rec. <u>72'</u> Feet Of <u>Only Mud</u>	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil

BHT 105 °F Gravity N.A. °API @ ~ °F Corrected Gravity N.A. °API
 RW 5.33 @ 58 °F Chlorides 1,600 ppm Recovery Chlorides 1,200 ppm System
 (A) Initial Hydrostatic Mud 1711 PSI AK1 Recorder No. 13228 Range 4400
 (B) First Initial Flow Pressure 21 PSI @ (depth) 3497' w/Clock No. 22993
 (C) First Final Flow Pressure 30 PSI AK1 Recorder No. 10248 Range 4400 #
 (D) Initial Shut-In Pressure 1003 PSI @ (depth) 3426' w/Clock No. 30410
 (E) Second Initial Flow Pressure 32 PSI AK1 Recorder No. ~ Range ~
 (F) Second Final Flow Pressure 58 PSI @ (depth) ~ w/Clock No. ~
 (G) Final Shut-In Pressure 961 PSI Initial Opening 30 Test
 (H) Final Hydrostatic Mud 1698 PSI Initial Shut-In 60 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 60 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ ✓

Approved By _____
 Our Representative [Signature]

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CHAMBERS "D" #4 Test No. 2 Date 12/17/92
Company ADECO INC / LESTER CHAMBERS Zone LANSING
Address 310 E ASH OBERLIN KS 67749 Elevation 2599
Co. Rep./Geo. CASEY GALLOWAY Cont. EMPHASIS RIG #8 Est. Ft. of Pay _____
Location: Sec. 16 Twp. 2S Rge. 27W Co. DECATUR State KS

Interval Tested 3502-3560 Drill Pipe Size 4.5" XH
Anchor Length 58 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3497 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3502 Mud Wt. 9.3 lb/Gal.
Total Depth 3560 Viscosity 46 Filtrate 8.4

Tool Open @ 9:30 AM Initial Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 27 MINUTES

Final Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 36 MINUTES

Recovery - Total Feet 325 Flush Tool? NO

Rec. 135 Feet of MUDDY WATER W/ OIL SPECKS-70%WTR/30%MUD
Rec. 190 Feet of SALT WATER-97%WTR/3%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 107 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.12 @ 76 °F Chlorides 51000 ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud 1793.6 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 40.6 PSI @ (depth) 3557 w / Clock No. 22993

(C) First Final Flow Pressure 93.2 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1064.5 PSI @ (depth) 3552 w / Clock No. 30410

(E) Second Initial Flow Pressure 104.7 PSI AK1 Recorder No. _____ Range _____

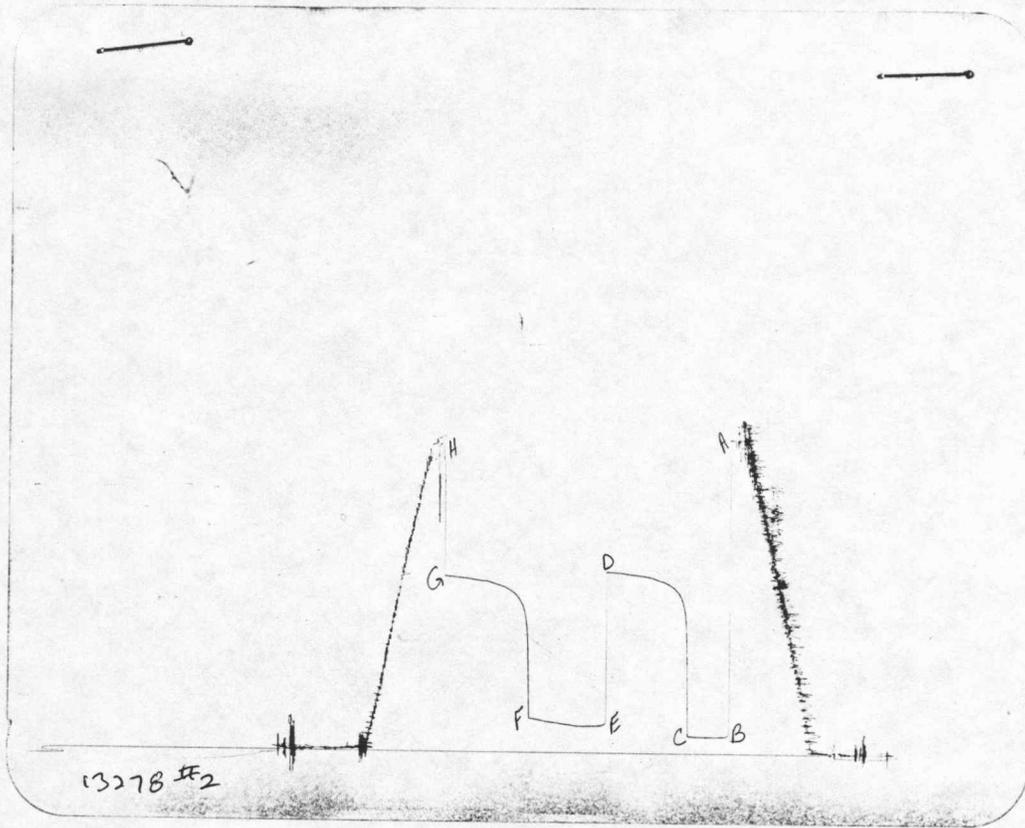
(F) Second Final Flow Pressure 181.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1033.7 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1725.9 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1788	1793.6
(B) FIRST INITIAL FLOW PRESSURE	37	40.6
(C) FIRST FINAL FLOW PRESSURE	89	93.2
(D) INITIAL CLOSED-IN PRESSURE	1060	1064.5
(E) SECOND INITIAL FLOW PRESSURE	102	104.7
(F) SECOND FINAL FLOW PRESSURE	175	181.4
(G) FINAL CLOSED-IN PRESSURE	1034	1033.7
(H) FINAL HYDROSTATIC MUD	1722	1725.9

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Test Ticket

No 5877

Well Name & No. <u>CHAMBERS 'D' #4</u>	Test No. <u>2</u>	Date <u>12-17-92</u>
Company <u>ADCO INC. / LESTER CHAMBERS</u>	Zone Tested <u>LANS</u>	
Address <u>310 E. ASH OBERLIN KS 67749</u>	Elevation <u>2599 K.B. est.</u>	
Co. Rep./Geo. <u>CASEY GALLOWAY</u>	Cont. <u>EMPHASIS OIL OPER#</u>	Est. Ft. of Pay _____
Location: Sec. <u>16</u>	Twp. <u>25</u>	Rge. <u>27W</u>
Co. <u>DECATUR</u>	State <u>Ks.</u>	
No. of Copies <u>5</u>	Distribution Sheet _____	Yes _____ No _____
Turnkey _____	Yes _____ No _____	Evaluation _____

Interval Tested <u>3502 - 3560'</u>	Drill Pipe Size <u>4 1/2" x. H.</u>
Anchor Length <u>58'</u>	Top Choke — 1" <input checked="" type="checkbox"/> Bottom Choke — 3/4" <input checked="" type="checkbox"/>
Top Packer Depth <u>3497'</u>	Hole Size — 77/8" <input checked="" type="checkbox"/> Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Bottom Packer Depth <u>3502'</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>NONE</u>
Total Depth <u>3560'</u>	Drill Collar — 2.25 Ft. Run <u>NONE</u>
Mud Wt. <u>9.3</u> lb/gal.	Viscosity <u>46</u> Filtrate <u>8.4 cc.</u>
Tool Open @ <u>9:30 A.M.</u> Initial Blow <u>Fair to strong blow. (ltm. of bucket in 27 mins.)</u>	
Final Blow <u>Fair to strong blow. (ltm. of bucket in 36 mins.)</u>	

Recovery — Total Feet <u>325'</u>	Feet of Gas in Pipe _____	Flush Tool? <u>No.</u>
Rec. <u>135'</u> Feet Of <u>M.W. @ oil specs</u>	%gas _____ %oil <u>70</u> %water <u>30</u> %mud _____	
Rec. <u>190'</u> Feet Of <u>Salt Water</u>	%gas _____ %oil <u>97</u> %water <u>3</u> %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 N.A. °API @ 2 °F Corrected Gravity N.A. °API

RW 0.12 @ 76 °F Chlorides 51,000 ppm Recovery Chlorides 1,200 ppm System

(A) Initial Hydrostatic Mud <u>1788</u> PSI	AK1 Recorder No. <u>13278</u>	Range <u>4400</u>
(B) First Initial Flow Pressure <u>37</u> PSI	@ (depth) <u>3557'</u>	w/Clock No. <u>22993</u>
(C) First Final Flow Pressure <u>89</u> PSI	AK1 Recorder No. <u>10248</u>	Range <u>4400</u>
(D) Initial Shut-In Pressure <u>1060</u> PSI	@ (depth) <u>3552'</u>	w/Clock No. <u>30410</u>
(E) Second Initial Flow Pressure <u>102</u> PSI	AK1 Recorder No. <u>2</u>	Range <u>2</u>
(F) Second Final Flow Pressure <u>175</u> PSI	@ (depth) <u>2</u>	w/Clock No. <u>2</u>
(G) Final Shut-In Pressure <u>1034</u> PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud <u>1722</u> PSI	Initial Shut-In <u>60</u>	Jars _____

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Final Flow 60 Safety Joint _____

Final Shut-In 60 Straddle _____

Circ. Sub _____

Sampler _____

Approved By _____

Our Representative Casey Galloway

Other _____

TOTAL PRICE \$ ✓ 600.00