

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5508

Well Name & No. Haslett #1-36 Test No. #1 Date 5-21-93
 Company Petroleum Inc. Zone Tested Morrow
 Address 301 N. Main Suite 900, Wichita Ks 67202 Elevation 3463 (KB)
 Co. Rep./Geo. Tyler Sanders Cont. Trans-Pac #2 Est. Ft. of Pay _____
 Location: Sec. 36 Twp. 25 Rge. 42 Co. Hamilton State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4944-5005 Drill Pipe Size 4.5 X-Hole
 Anchor Length 6' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4939 Hole Size — 77/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4944 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 5005 Drill Collar — 2.25 Ft. Run 488'
 Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 11.2
 Tool Open @ 12:50 pm Initial Blow surface blow - died in 20 min.

Final Blow NO blow - flushed tool - got surge NO blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?	%gas	%oil	%water	%mud
<u>15'</u>		<u>yes</u>				
Rec. _____ Feet Of _____						
Rec. _____ Feet Of _____						
Rec. <u>15'</u> Feet Of <u>Drly Mud</u>						
Rec. _____ Feet Of _____						
Rec. _____ Feet Of _____						

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

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

- (A) Initial Hydrostatic Mud 2375 PSI Ak1 Recorder No. 13277 Range 4125
- (B) First Initial Flow Pressure 33 PSI @ (depth) 4948 w/Clock No. 26199
- (C) First Final Flow Pressure 33 PSI Ak1 Recorder No. 5495 Range 4200
- (D) Initial Shut-In Pressure 78 PSI @ (depth) 5002 w/Clock No. 3942
- (E) Second Initial Flow Pressure 33 PSI Ak1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 45 PSI @ (depth) _____ w/Clock No. X
- (G) Final Shut-In Pressure 56 PSI Initial Opening 30 Test X 1000
- (H) Final Hydrostatic Mud 2343 PSI Initial Shut-In 30 Jars X 200

Final Flow 30 Safety Joint X 50
 Final Shut-In 30 Straddle _____
 CIRC. SUB _____

Approved By Tyler H. Sanders Sampler X 200
 Our Representative Tom Horvath Extra Packer _____
 Other _____

TOTAL PRICE \$ 1050

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

KCC

DEC 20 1993

Drill-Stem Test Data

Well Name HASLETT #1-36 Test No. 1 Date 5/21/93
 Company PETROLEUM INC Zone MORROW
 Address 301 N MAIN SUITE 900 WICHITA KS 67202 Elevation 3463
 Co. Rep./Geo. TYLER SANDERS Cont. TRANS-PAC #2 Est. Ft. of Pay _____
 Location: Sec. 36 Twp. 25S Rge. 42W Co. HAMILTON State KS

Interval Tested	<u>4944-5005</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>61</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4939</u>	Drill Collar - 2.25 Ft. Run	<u>488</u>
Bottom Packer Depth	<u>4944</u>	Mud Wt.	<u>9.1</u> lb/Gal.
Total Depth	<u>5005</u>	Viscosity	<u>47</u> Filtrate <u>11.2</u>

Tool Open @ 12:50 PM Initial Blow SURFACE BLOW - DIED IN 20 MINUTES

Final Blow NO BLOW - FLUSHED TOOL - GOT SURGE - NO BLOW

Recovery - Total Feet 15 Flush Tool? YES

Rec. 15 Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2389.6 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 37.1 PSI @ (depth) 4948 w / Clock No. 26199

(C) First Final Flow Pressure 37.1 PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure 86.3 PSI @ (depth) 5002 w / Clock No. 3942

(E) Second Initial Flow Pressure 37.1 PSI AK1 Recorder No. _____ Range _____

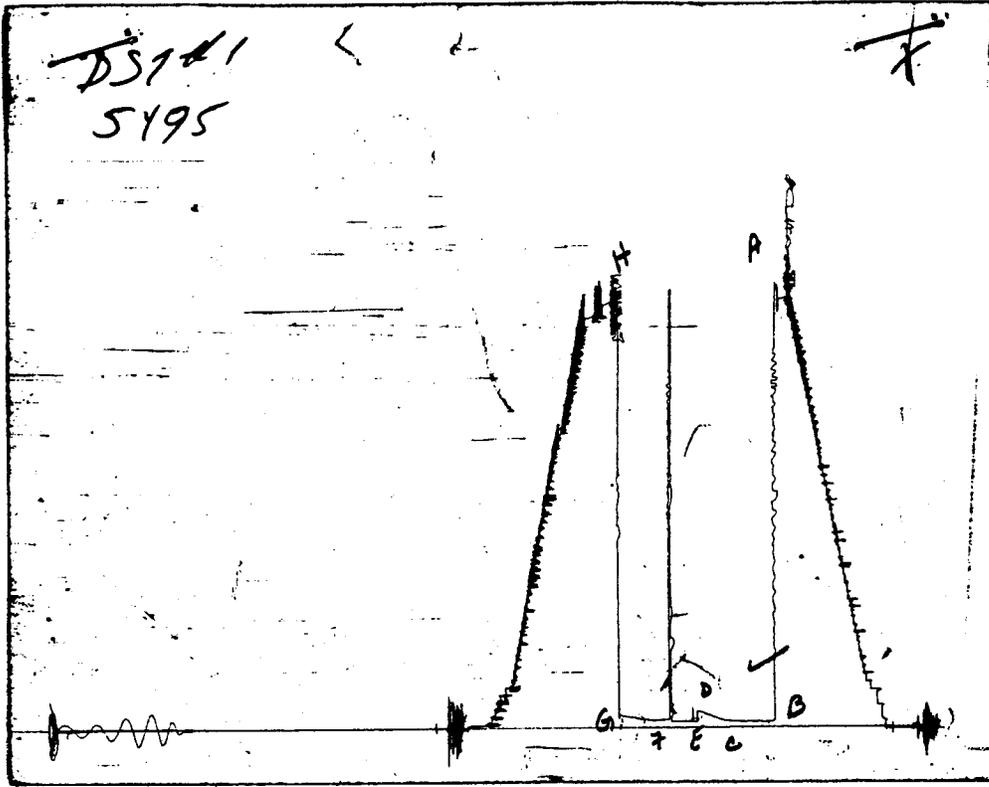
(F) Second Final Flow Pressure 51.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 61.8 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2349.6 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2375	2389.6
(B) FIRST INITIAL FLOW PRESSURE	33	37.1
(C) FIRST FINAL FLOW PRESSURE	33	37.1
(D) INITIAL CLOSED-IN PRESSURE	78	86.3
(E) SECOND INITIAL FLOW PRESSURE	33	37.1
(F) SECOND FINAL FLOW PRESSURE	45	51.2
(G) FINAL CLOSED-IN PRESSURE	56	61.8
(H) FINAL HYDROSTATIC MUD	2343	2349.6

FLUID SAMPLER DATA

Ticket No.: 5508

Date: 5/21/93

Company: PETROLEUM INC

Lease: HASLETT #1-36

Test No.: 1

County: HAMILTON

Sec.: 36

Twp.: 25S

Rng.: 42W

SAMPLER RECOVERY

Gas
Oil
Mud 4000
Water
Other
Pressure 30
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 6000
Resistivity ohms@ F
Viscosity 47
Mud Wt. 9.1
Filtrate 11.2
Other

SAMPLER ANALYSIS

Resistivity ohms@ F
Chlorides ppm.
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F
Chlorides ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity ohms@ F
Chlorides ppm

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Test Ticket

No 5509

Well Name & No. <u>Haslett #1-36</u>	Test No. <u>#2</u>	Date <u>5-23-93</u>
Company <u>Petroleum Inc.</u>	Zone Tested <u>Keys</u>	
Address <u>301 N. Main Suite 900, Wichita Ks. 67202</u>	Elevation <u>3463 (KB)</u>	
Co. Rep./Geo. <u>Tyler Sanders</u>	cont. <u>Trans-Pac #2</u>	Est. Ft. of Pay _____
Location: Sec. <u>36</u> Twp. <u>25</u> Rge. <u>42</u>	Co. <u>Hamilton</u> State <u>Ks.</u>	
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>5204-5291</u>	Drill Pipe Size <u>4.5 x-Hole</u>
Anchor Length <u>87'</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>5199</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>5204</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>5291</u>	Drill Collar — 2.25 Ft. Run <u>460'</u>
Mud Wt. <u>9.0</u> lb/gal.	Viscosity <u>52</u> Filtrate <u>8.8</u>
Tool Open @ <u>6:45</u>	Initial Blow <u>Packer failure</u>

Final Blow _____

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	<u>NO</u>
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 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud <u>2521</u> PSI	AK1 Recorder No. <u>13277</u>	Range <u>4125</u>
(B) First Initial Flow Pressure _____ PSI	@ (depth) <u>5208</u>	w/Clock No. <u>26199</u>
(C) First Final Flow Pressure _____ PSI	AK1 Recorder No. <u>5495</u>	Range <u>4200</u>
(D) Initial Shut-In Pressure _____ PSI	@ (depth) <u>5288</u>	w/Clock No. <u>19960</u>
(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 _____	Test <u>X</u> <u>500</u>
(H) Final Hydrostatic Mud <u>2490</u> PSI	Initial Shut-In _____	Jars <u>X</u> <u>200</u>

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 _____	Safety Joint <u>X</u> <u>50</u>
Final Shut-In _____	Straddle _____
	Circ. Sub _____
	Sampler <u>X</u>
	Extra Packer _____
	Other _____

Approved By Tyler H. Sanders
Our Representative Tom Horacek

TOTAL PRICE \$ Packer failure 750

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Drill-Stem Test Data

Well Name HASLETT #1-36 Test No. 2 Date 5/23/93
Company PETROLEUM INC Zone KEYS
Address 301 N MAIN SUITE 900 WICHITA KS 67202 Elevation 3463
Co. Rep./Geo. TYLER SANDERS Cont. TRANS-PAC #2 Est. Ft. of Pay _____
Location: Sec. 36 Twp. 25S Rge. 42W Co. HAMILTON State KS

Interval Tested 5204-5291 Drill Pipe Size 4.5" XH
Anchor Length 87 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5199 Drill Collar - 2.25 Ft. Run 460
Bottom Packer Depth 5204 Mud Wt. 9.0 lb/Gal.
Total Depth 5291 Viscosity 52 Filtrate 8.8

Tool Open @ 6:45 Initial Blow PACKER FAILURE

Final Blow _____

Recovery - Total Feet _____ Flush Tool? NO

Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2529.3 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure _____ PSI @ (depth) 5208 w / Clock No. 26199

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure _____ PSI @ (depth) 5288 w / Clock No. 19960

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

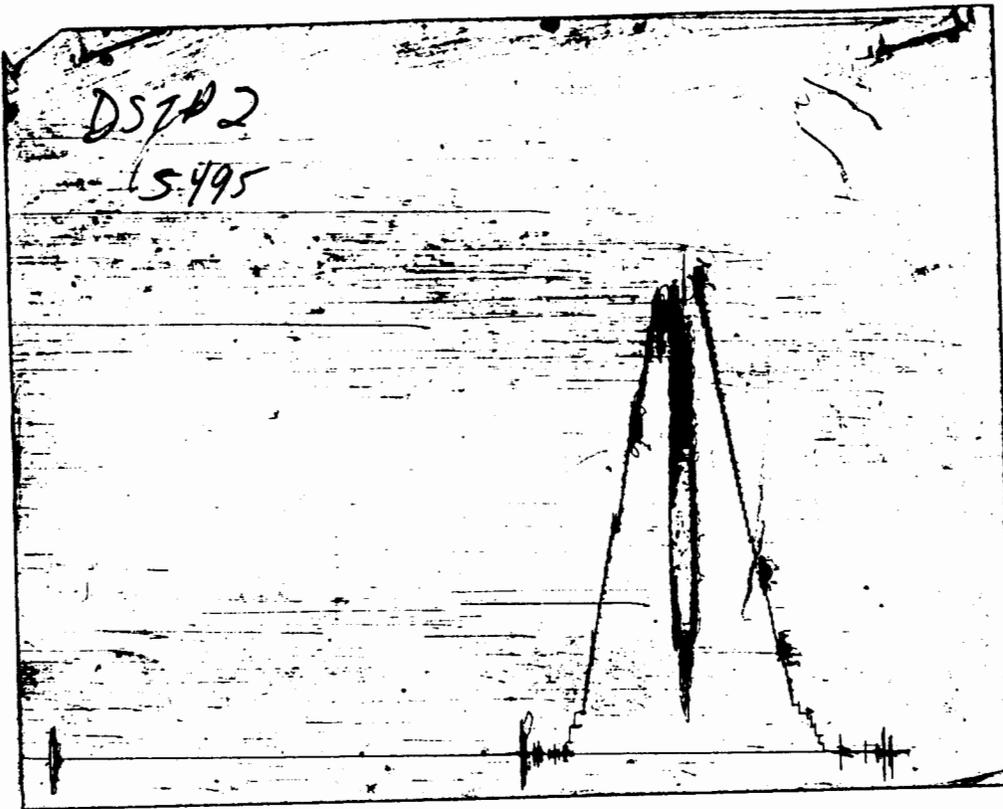
(F) Second Final Flow Pressure _____ PSI @ (depth) _____ w / Clock No. _____

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

(H) Final Hydrostatic Mud 2493.6 PSI Initial Shut-in _____ Final Shut-in _____

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2521	2529.3
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2490	2493.6