TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FRITZLER #1 Test No. 1 Date 2/1/92
Company HESS OIL COMPANY Zone Tested FT. SCOTT
Address P.O. BOX 1009 McPHERSON KS 67460 Elevation 2310 G.L.
Co. Rep./Geo. JAMES C. HESS Cont. MALLARD Est. Ft. of Pay
Location: Sec. 21 Twp. 19S Rge. 24W Co. NESS State KS

Interval Tested 4250-4310
Anchor Length 60
Top Packer Depth 4245
Bottom Packer Depth 4250
Total Depth 4310

Drill Pipe Size 4.5 FH
Wt. Pipe I.D. - 2.7 Ft. Run
Drill Collar — 2.25 Ft. Run 300

Mud Wt. 9.4 lb / gal. Viscosity 49 Filtrate 6

Tool Open @ 5:05 Initial Blow VERY GOOD BOTTOM OF BUCKET IN 2 MINUTES

Final Blow SAME AS INITIAL

Recovery — Total Feet 2125 Flush Tool? NO

Rec. 85 Feet of OIL & GAS CUT MUD-10%GAS/10%OIL/80%MUD

Rec. 120 Feet of GAS & OIL CUT MUD-40%GAS/35%OIL/10%WTR/15%MUD

Rec. 576 Feet of SLTLY WTR CUT GASSY OIL-50%GAS/40%OIL/10%WTR

Rec. 192 Feet of OIL,GAS & WTR CUT MUD-15%GAS/15%OIL/20%WTR/50%MUD

Rec. 1152 Feet of OIL & WTR CUT MUD-10%OIL/85%WTR/5%MUD

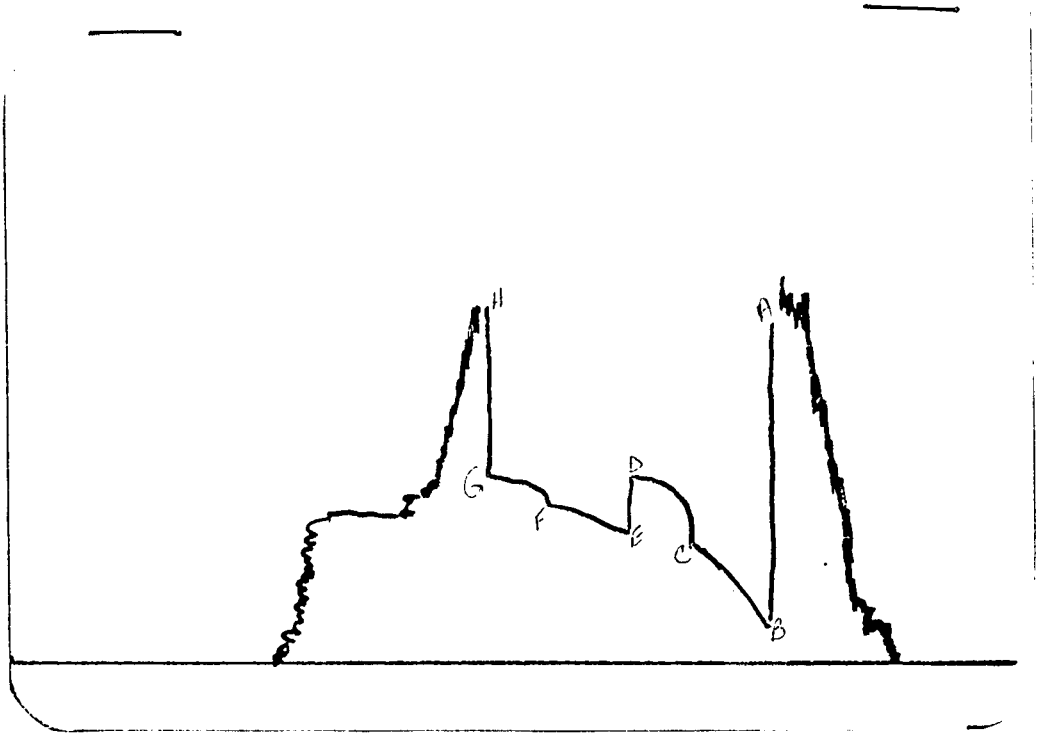
BHT 125 °F Gravity °API @ °F Corrected Gravity °API

RW 0.1 @ 65 °F Chlorides 85000 ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud	2120.6 PSI	AK1 Recorder No.	13851	Range	4425
(B) First Initial Flow Pressure	204.5 PSI	@ (depth)	4285	w/Clock No.	25813
(C) First Final Flow Pressure	703.2 PSI	AK1 Recorder No.	13850	Range	4325
(D) Initial Shut-in Pressure	1084.5 PSI	@ (depth	4310	w/Clock No.	25814
(E) Second Initial Flow Pressure	760.4 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	930.6 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-in Pressure	1083.4 PSI	Initial Opening	60	Final Flow	60
(H) Final Hydrostatic Mud	2110.4 PSI	Initial Shut-in	45	Final Shut-in	45

Our Representative HARRY SCHMIDT TOTAL PRICE $ 635

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

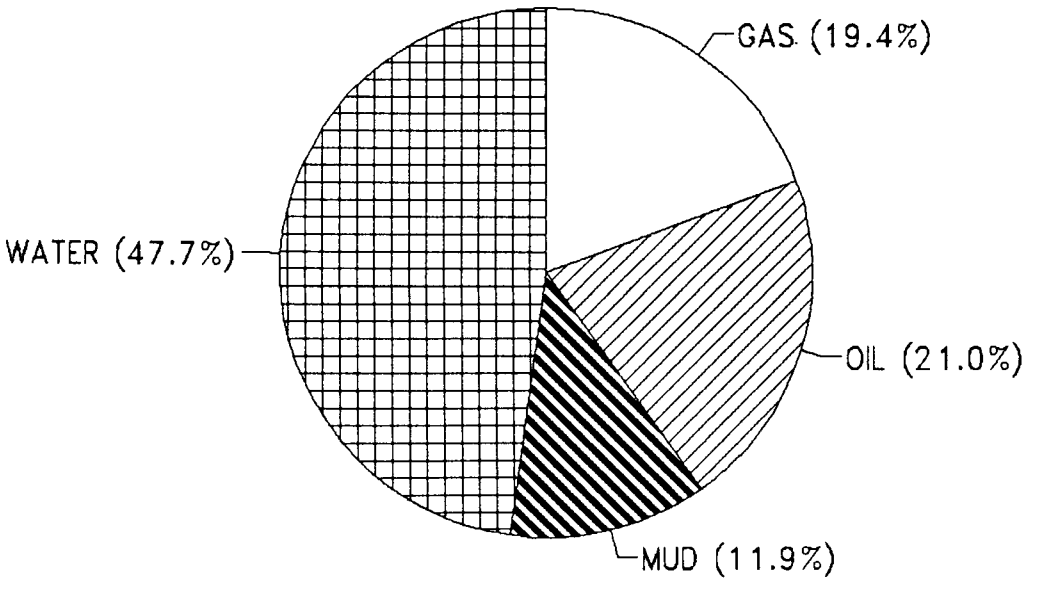
POINT	PRESSURE	FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	2118	2120.6
(B)	FIRST INITIAL FLOW PRESSURE	200	204.5
(C)	FIRST FINAL FLOW PRESSURE	696	703.2
(D)	INITIAL CLOSED-IN PRESSURE	1079	1084.5
(E)	SECOND INITIAL FLOW PRESSURE	751	760.4
(F)	SECOND FINAL FLOW PRESSURE	925	930.6
(G)	FINAL CLOSED-IN PRESSURE	1079	1083.4
(H)	FINAL HYDROSTATIC MUD	2118	2110.4

CALCULATED RECOVERY ANALYSIS

DST # 1 TICKET # 4516

SAMPLE		TOTAL	GAS		OIL		WATER		MUD	
	#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL	1	85	10	8.5	10	8.5	0	0	80	68
PIPE	2	120	40	48	35	42	10	12	15	18
	3	576	50	288	40	230.4	10	57.6	0	0
	4	192	15	28.8	15	28.8	20	38.4	50	96
	5	852		0	10	85.2	85	724.2	5	42.6
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
DRILL	1	300	0	0	10	30	85	255	5	15
COLLAR	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		2125		373.3		424.9		1087.2		239.6

		HRS OPEN	BBL/DAY
BBL OIL= 5.762178	*	2	69.1461
BBL WATER13.08083	*		156.97
BBL MUD= 3.267162			
BBL GAS =5.308326			



TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4516

Well Name & No. FRITZLER #1 Test No. ONE Date 2-1-92

Company HESS OIL CO. Zone Tested 1ST. SCOTT

Address P.O.B. 1009 McPHERSON, KS 67460 Elevation 2310 GL

Co. Rep./Geo. JAMES C. HESS Cont. MALLARD Est. Ft. of Pay

Location: Sec. 21 Twp. 19 S Rge. 24 W Co. NESS State KS.

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

Interval Tested 4250 TO 4310 Drill Pipe Size 4 1/2" F.H.

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

Top Packer Depth 4245 Hole Size — 7 7/8" ____ Rubber Size — 6 3/4" ____

Bottom Packer Depth 4250 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 4310 Drill Collar — 2.25 Ft. Run 300'

Mud Wt. 9.4 lb / gal. Viscosity 49 Filtrate ~~8.~~ 6

Tool Open @ 5:05 Initial Blow VERY GOOD BOT. BUCKET IN 1 MIN. GOOD BLOW BACK ON SHUT IN

Final Blow SAME AS INITIAL

Recovery — Total Feet 2125 Feet of Gas in Pipe ____ Flush Tool? NO

Rec. 85	Feet Of O+G.C.M.	10 %gas	10 %oil	%water 80	%mud	
Rec. 120	Feet Of G+O.C.M.	40 %gas	35 %oil	10 %water	15 %mud	
Rec. 576	Feet Of GASSY OIL	50 %gas	40 %oil	10 %water	%mud	
Rec. 192	Feet Of O.G.+W.C.M.	15 %gas	15 %oil	20 %water	50 %mud	
Rec. 1152	Feet Of	~~%~~ %gas	10 %oil	85 %water	5 %mud	

BHT 125 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW 0.1 @ 65 °F Chlorides 85,000 ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	2118 PSI	AK1 Recorder No. 13851	Range 4425
(B) First Initial Flow Pressure	200 PSI	@ (depth) 4285	w/Clock No. 25813
(C) First Final Flow Pressure	696 PSI	AK1 Recorder No. 13850	Range 4325
(D) Initial Shut-In Pressure	1079 PSI	@ (depth) 4310	w/Clock No. 25814
(E) Second Initial Flow Pressure	751 PSI	AK1 Recorder No. ____	Range ____
(F) Second Final Flow Pressure	925 PSI	@ (depth) ____	w/Clock No. ____
(G) Final Shut-In Pressure	1079 PSI	Initial Opening 60	Test 550.00
(H) Final Hydrostatic Mud	2118 PSI	Initial Shut-In 45	Jars ____
		Final Flow 60	Safety Joint 50.00
		Final Shut-In 45	Straddle ____
			Circ. Sub 35.00
			Sampler ____
			Extra Packer ____
			Other ____
			TOTAL PRICE $ 635.00

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 [signature]

Our Representative [signature]

Printcraft Printers - Hays, KS

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FRITZLER #1 Test No. 2 Date 2/2/92

Company HESS OIL COMPANY Zone Tested MISSISSIPPI

Address P.O. BOX 1009 McPHERSON KS 67460 Elevation 2310 G.L.

Co. Rep./Geo. JAMES C. HESS Cont. MALLARD Est. Ft. of Pay

Location: Sec. 21 Twp. 19S Rge. 24W Co. NESS State KS

Interval Tested 4320-4394 Drill Pipe Size 4.5 FH

Anchor Length 74 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4315 Drill Collar — 2.25 Ft. Run 300

Bottom Packer Depth 4320

Total Depth 4394

Mud Wt. 9.3 lb / gal. Viscosity 45 Filtrate 8.8

Tool Open @ 1:45 Initial Blow DIED IN 5 MINUTES

Final Blow NONE TAKEN

Recovery — Total Feet 8 Flush Tool? YES

Rec. 8 Feet of MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 125 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2190.4 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 22.4 PSI @ (depth) 4323 w/Clock No. 25813

(C) First Final Flow Pressure 22.4 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure PSI @ (depth 4394 w/Clock No. 25814

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

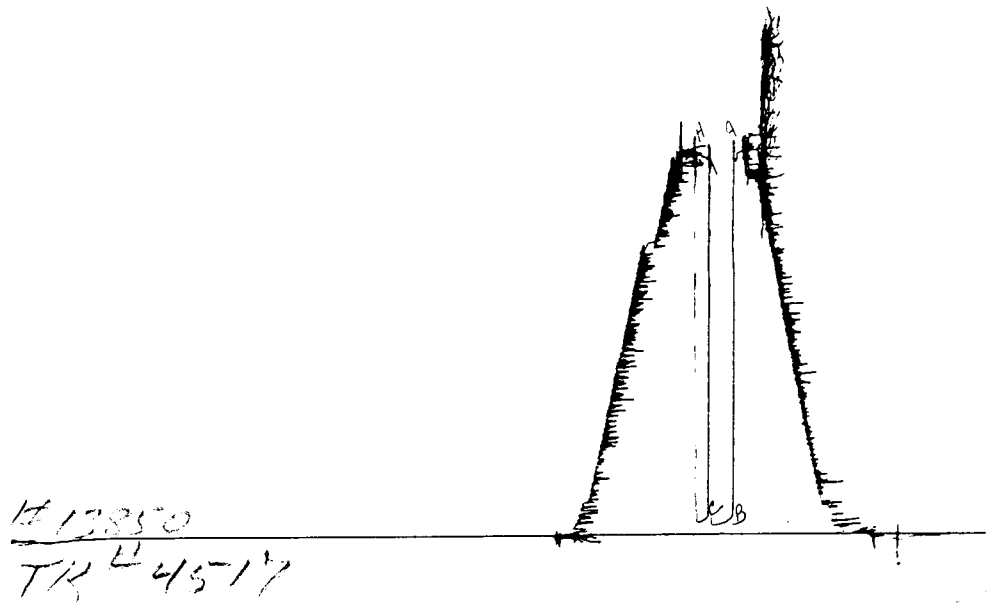
(F) Second Final Flow Pressure PSI @ (depth) w/Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 20 Final Flow

(H) Final Hydrostatic Mud 2180.3 PSI Initial Shut-in Final Shut-in

Our Representative HARRY SCHMIDT TOTAL PRICE $ 600

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

POINT	PRESSURE	
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2185	2190.4
(B) FIRST INITIAL FLOW PRESSURE	20	22.4
(C) FIRST FINAL FLOW PRESSURE	20	22.4
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2185	2180.3

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N2 4517

Well Name & No. FRITZLER #1 Test No. TWO Date 2-2-92

Company HESS OIL CO. Zone Tested MISS.

Address P.O. BOX 1009 McPHERSON KS 67460 Elevation 2310GL

Co. Rep./Geo. JAMES C. HESS Cont. MALLARD Est. Ft. of Pay

Location: Sec. 21 Twp. 19S Rge. 24W Co. NESS State KS.

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

Interval Tested 4320 TO 4394 Drill Pipe Size 4½" F.H.

Anchor Length 74' Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4315 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4320 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 4394 Drill Collar — 2.25 Ft. Run 300

Mud Wt. 9.3 lb / gal. Viscosity 45 Filtrate 8-8

Tool Open @ 1:45 Initial Blow DIED IN 5 MIN.

Final Blow NONE TAKEN

Recovery — Total Feet 8 Feet of Gas in Pipe ____ Flush Tool? YES

Rec. 8	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 125 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

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

(A) Initial Hydrostatic Mud 2185 PSI	AK1 Recorder No. 13851	Range 4425	
(B) First Initial Flow Pressure 20 PSI	@ (depth) 4323	w/Clock No. 25813	
(C) First Final Flow Pressure 20 PSI	AK1 Recorder No. 13850	Range 4325	
(D) Initial Shut-In Pressure — PSI	@ (depth) 4394	w/Clock No. 25814	
(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 20	Test 55 00	
(H) Final Hydrostatic Mud 2185 PSI	Initial Shut-In —	Jars ____	
	Final Flow —	Safety Joint 50 00	
	Final Shut-In —	Straddle ____	
		Circ. Sub ____	
		Sampler ____	
		Extra Packer ____	
		Other ____	
		TOTAL PRICE $ 600 00	

Approved By James C. Hess

Our Representative Johnny

Printcraft Printers - Hays, KS

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FRITZLER #1 Test No. 3 Date 2/2/92
Company HESS OIL COMPANY Zone Tested FT SCOTT
Address P.O. BOX 1009 McPHERSON KS 67460 Elevation 2310 G.L.
Co. Rep./Geo. JAMES C. HESS Cont. MALLARD Est. Ft. of Pay 4
Location: Sec. 21 Twp. 19S Rge. 24W Co. NESS State KS

Interval Tested 4250-4394 Drill Pipe Size 4.5 FH
Anchor Length 144 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 4245 Drill Collar — 2.25 Ft. Run 240
Bottom Packer Depth 4250
Total Depth 4394

Mud Wt. 9.3 lb / gal. Viscosity 45 Filtrate 8.8

Tool Open @ 5:30 Initial Blow VERY GOOD - BOTTOM OF BUCKET IN 1 MINUTE

Final Blow BOTTOM OF BUCKET IN 5 MINUTES

Recovery — Total Feet 2040 Flush Tool? NO

Rec. 2040 Feet of OIL, GAS & WTR CUT MUD-15%GAS/5%OIL/30%WTR/50%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.1 @ 65 °F Chlorides 85000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2190.4 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 260.7 PSI @ (depth) 4389 w/Clock No. 25813

(C) First Final Flow Pressure 710.3 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 1150.6 PSI @ (depth 4394 w/Clock No. 25814

(E) Second Initial Flow Pressure 760.4 PSI AK1 Recorder No. _____ Range _____

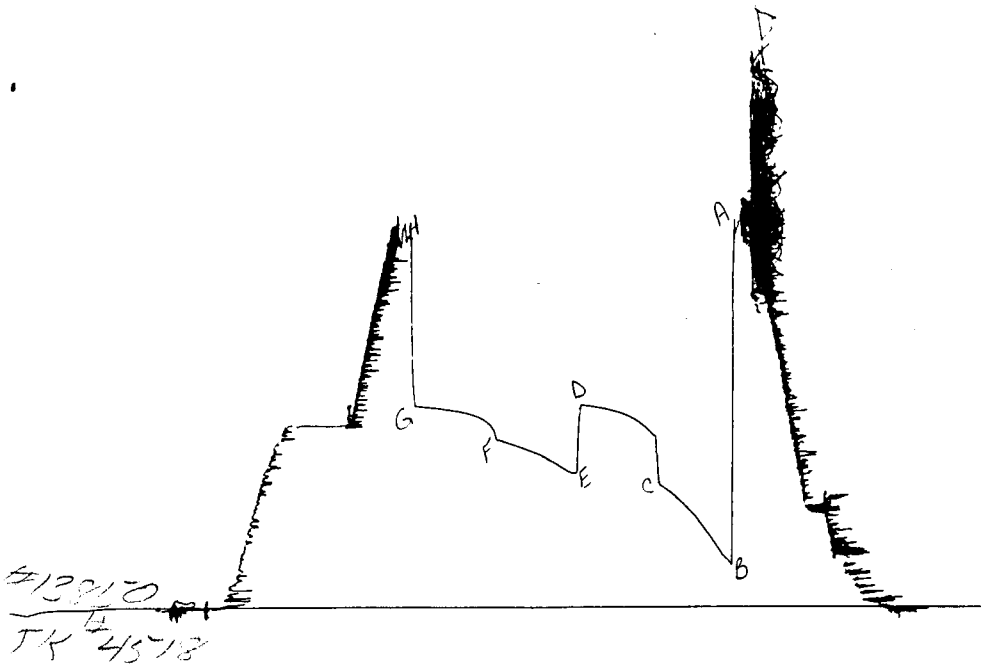
(F) Second Final Flow Pressure 950.8 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 1150.6 PSI Initial Opening 60 Final Flow 60

(H) Final Hydrostatic Mud 2180.3 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative HARRY SCHMIDT TOTAL PRICE $ 635

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

POINT	PRESSURE	
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2185	2190.4
(B) FIRST INITIAL FLOW PRESSURE	255	260.7
(C) FIRST FINAL FLOW PRESSURE	707	710.3
(D) INITIAL CLOSED-IN PRESSURE	1145	1150.6
(E) SECOND INITIAL FLOW PRESSURE	751	760.4
(F) SECOND FINAL FLOW PRESSURE	947	950.8
(G) FINAL CLOSED-IN PRESSURE	1145	1150.6
(H) FINAL HYDROSTATIC MUD	2185	2180.3

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4518

Well Name & No. FRITZLER #1 Test No. THREE Date 2-2-92

Company HESS OIL CO. Zone Tested FT. SCOTT

Address P.O. BOX 1009 MCPHERSON KS 67460 Elevation 2310 G.L.

Co. Rep./Geo. J. C. HESS Cont. MALLARD Est. Ft. of Pay 4

Location: Sec. 21 Twp. 19S Rge. 24W Co. NESS State KS

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

Interval Tested 4250 TO 4394 Drill Pipe Size 4½" IEH

Anchor Length 144 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4245 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4250 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 4394 Drill Collar — 2.25 Ft. Run 240

Mud Wt. 9.3 lb / gal. Viscosity 45 Filtrate 8.8

Tool Open @ 5:30 Initial Blow VERY GOOD BOT. BUCKET IN 1 MIN

Final Blow BOT. BUCKET IN 5 MIN.

Recovery — Total Feet 2040 Feet of Gas in Pipe — Flush Tool? NO

Rec. 2040	Feet Of	O.G.+W.C.M.	15 %gas	5 %oil	30 %water	50 %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 225 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW 0.1 @ 65 °F Chlorides 85,000 ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	2185 PSI	AK1 Recorder No.	13851	Range	4425
(B) First Initial Flow Pressure	255 PSI	@ (depth)	4389	w/Clock No.	25813
(C) First Final Flow Pressure	707 PSI	AK1 Recorder No.	13850	Range	4325
(D) Initial Shut-In Pressure	1145 PSI	@ (depth)	4394	w/Clock No.	25814
(E) Second Initial Flow Pressure	751 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	947 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-In Pressure	1145 PSI	Initial Opening	60	Test	530
(H) Final Hydrostatic Mud	2185 PSI	Initial Shut-In	60	Jars	____
		Final Flow	60	Safety Joint	50 OK
		Final Shut-In	60	Straddle	____
				Circ. Sub	35 OK
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	635 00

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Approved By James C. Hess

Our Representative John Mallard

Printcraft Printers - Hays, KS