TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

API #15-057-20530

Drill-Stem Test Data

ORIGINAL

Computer Invented

Well Name HYER #1-19 Test No. 1 Date 12/12/94

Company CROSS BAR PETROLEUM INC Zone KRIDER

Address 151 N. MAIN, STE 630, WICHITA, KS 67202-1407 Elevation 2402

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRILLING #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 2556-2635 Drill Pipe Size 4.5" XH

Anchor Length 79 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 2551 Drill Collar – 2.25 Ft. Run 150

Bottom Packer Depth 2556 Mud Wt. 9.6 lb/Gal.

Total Depth 2635 Viscosity 35 Filtrate

Tool Open @ Initial Blow COMMENT: HIT BRIDGE AT APPROXIMATELY 700 FEET. TRIED HITTING THROUGH, BUT NO SUCCESS.

Final Blow MISRUN - COULD NOT GET TO BOTTOM.

Recovery - Total Feet Flush Tool? NO

KCC

MAY 17 1996

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW @ °F Chlorides ppm Recovery Chlorides 56,000 ppm System

(A) Initial Hydrostatic Mud PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure PSI @ (depth) 2632 w / Clock No. 27665

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

(D) Initial Shut-in Pressure PSI @ (depth) 2627 w / Clock No. 23858

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

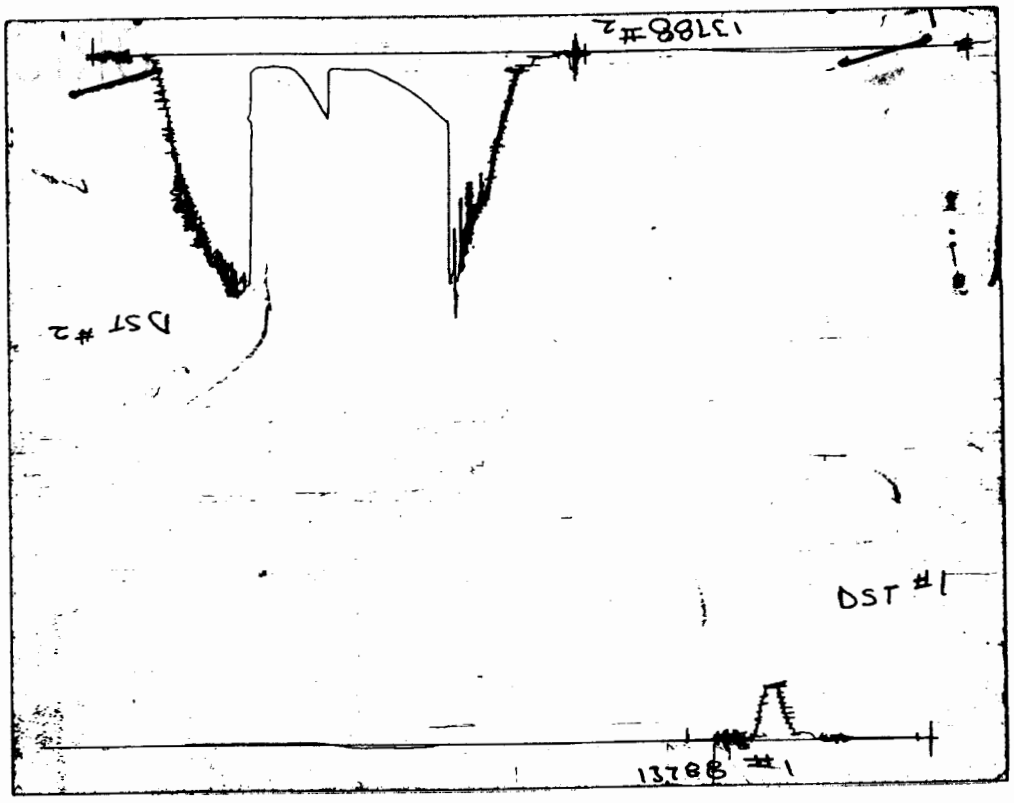
(F) Second Final Flow Pressure PSI @ (depth) w / Clock No.

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

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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket ORIGINAL No. 7583

Well Name & No. HYER # 1-19 Test No. 1 Date 12-12-94

Company CROSS BAR PETR. INC. Zone Tested KRIDER

Address 151 N. MAIN SUITE 630 / WICHITA KS. 67202-1407 Elevation 2402 K.B.

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRLG. # 21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 2556 - 2635' Drill Pipe Size 4½" X.H.

Anchor Length 79' Top Choke — 1" ~ Bottom Choke — ¾" ~

Top Packer Depth 2551' Hole Size — 7⅞" ~ Rubber Size — 6¾" ~

Bottom Packer Depth 2556' Wt. Pipe I.D. — 2.7 Ft. Run NONE

Total Depth 2635' Drill Collar — 2.25 Ft. Run 150

Mud Wt. 9.6 lb/gal. Viscosity 35 Filtrate N.C.

Tool Open @ ____ Initial Blow ____

COMMENT: HIT BRIDGE @ APPROX. 700'. TRIED HITTING THROUGH, BUT NO SUCCESS.

~~Final Blow~~

MISRUN - COULD NOT GET TO BTM.

Recovery — Total Feet ~ NONE Feet of Gas in Pipe ~ Flush Tool? NO

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
Rec. ____ Feet Of ____	%gas	%oil	%water	%mud

KCC MAY 17 1996

BHT N.C. °F Gravity N.A. °API @ ~ °F Corrected Gravity N.A. °API

RW N.C. @ ~ °F Chlorides ____ ppm Recovery Chlorides 56,000 ppm System

(A) Initial Hydrostatic Mud	PSI	AK1 Recorder No. 13788	Range 4650
(B) First Initial Flow Pressure	PSI	@ (depth) 2632'	w/Clock No. 27665
(C) First Final Flow Pressure	PSI	AK1 Recorder No. 10248	Range 4400
(D) Initial Shut-In Pressure	PSI	@ (depth) 2627'	w/Clock No. 23858
(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 30	Test ✓ 400.00
(H) Final Hydrostatic Mud	PSI	Initial Shut-In 30	Jars ✓ 200
		Final Flow 30	Safety Joint ✓ 50
		Final Shut-In 60	Straddle ____
			Circ. Sub ____
			Sampler ____
			Extra Packer ____
			Other ____
			TOTAL PRICE $ ✓ 650

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 ____

Our Representative ____

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HYER #1-19 Test No. 2 Date 12/13/94

Company CROSS BAR PETROLEUM INC Zone KRIDER

Address 151 N. MAIN, STE 630, WICHITA, KS 67202-1407 Elevation 2402

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRILLING #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 2556-2635 Drill Pipe Size 4.5" XH

Anchor Length 79 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 2551 Drill Collar – 2.25 Ft. Run 150

Bottom Packer Depth 2556 Mud Wt. 9.6 lb/Gal.

Total Depth 2635 Viscosity 35 Filtrate

Tool Open @ 12:31AM Initial Blow WEAK BLOW 2-4" IN WATER.

Final Blow WEAK BLOW. 1-3" IN WATER.

Recovery - Total Feet 70 Flush Tool? NO

Rec. 70 Feet of HEAVY MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 98 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides 56,000 ppm Recovery Chlorides 56,000 ppm System

(A) Initial Hydrostatic Mud 1392.6 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 81.0 PSI @ (depth) 2632 w / Clock No. 27665

(C) First Final Flow Pressure 74.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 401.7 PSI @ (depth) 2627 w / Clock No. 23858

(E) Second Initial Flow Pressure 83.2 PSI AK1 Recorder No. Range

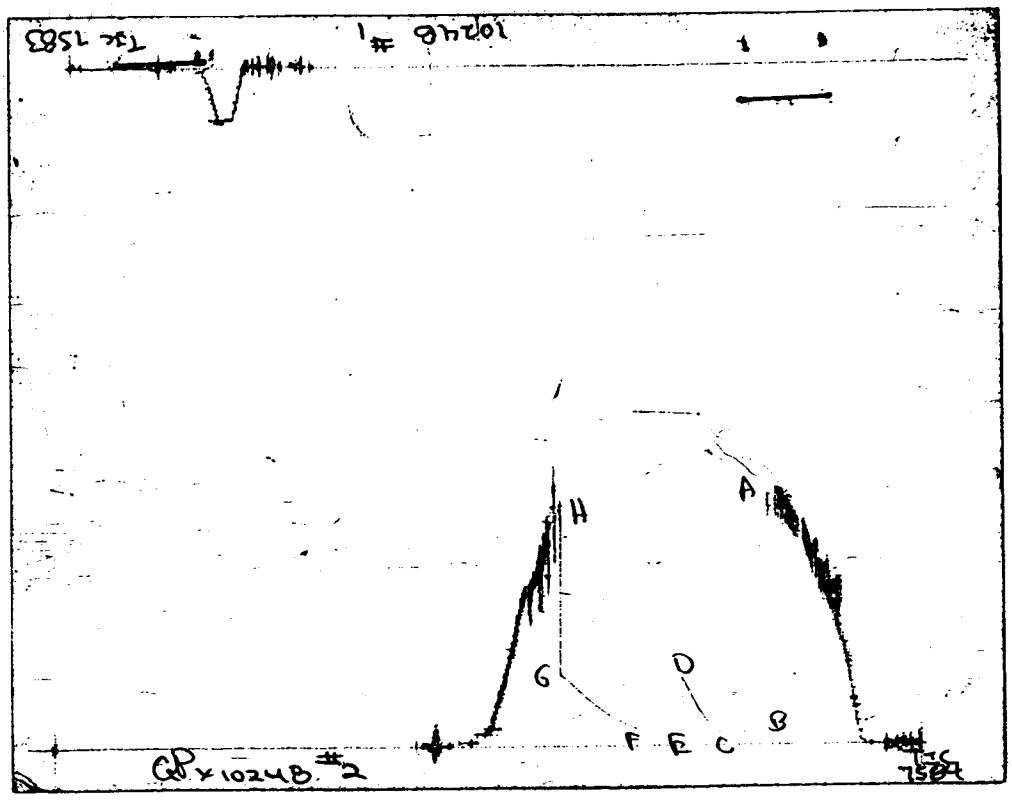
(F) Second Final Flow Pressure 101.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 424.0 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1407.9 PSI Initial Shut-in 30 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	1384	1392.6
(B) FIRST INITIAL FLOW PRESSURE	80	81.0
(C) FIRST FINAL FLOW PRESSURE	85	74.3
(D) INITIAL CLOSED-IN PRESSURE	399	401.7
(E) SECOND INITIAL FLOW PRESSURE	87	83.2
(F) SECOND FINAL FLOW PRESSURE	94	101.4
(G) FINAL CLOSED-IN PRESSURE	417	424.0
(H) FINAL HYDROSTATIC MUD	1333	1407.9

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7584

Well Name & No. Hyer #1-19 Test No. 2 Date 12-13-94

Company Cross Bar Petl. Inc. Zone Tested Krider

Address 151 N. Main Suite 630 / Wichita Ks. 67202-1407 Elevation 2402 K.B.

Co. Rep./Geo. Thomas Blair Cont. Murfin Drlg. #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. Ford State Ks.

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 2556 - 2635 Drill Pipe Size 4½" X.H.

Anchor Length 79' Top Choke — 1" ✓ Bottom Choke — ¼" ✓

Top Packer Depth 2551' Hole Size — 7⅞" ✓ Rubber Size — 6¾" ✓

Bottom Packer Depth 2556' Wt. Pipe I.D. — 2.7 Ft. Run None

Total Depth 2635' Drill Collar — 2.25 Ft. Run 150

Mud Wt. 9.6 lb / gal. Viscosity 35 Filtrate N.C.

Tool Open @ 12:31 A.M Initial Blow Weak below. 2-4" in H20

Final Blow Weak below. 1-3" in H20

Recovery — Total Feet 70 Feet of Gas in Pipe None Flush Tool? No

Rec. 70	Feet Of Heavy 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 98 °F Gravity N.A. °API @ — °F Corrected Gravity N.A. °API

RW N.C. @ — °F Chlorides 56,000 ppm Recovery Chlorides 56,000 ppm System

(A) Initial Hydrostatic Mud	1384 PSI	AK1 Recorder No.	13788	Range	4650
(B) First Initial Flow Pressure	80 PSI	@ (depth)	2632'	w/Clock No.	27665
(C) First Final Flow Pressure	85 PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	399 PSI	@ (depth)	2627'	w/Clock No.	23858
(E) Second Initial Flow Pressure	87 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	94 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	417 PSI	Initial Opening	30	Test	✓ 600
(H) Final Hydrostatic Mud	1333 PSI	Initial Shut-In	30	Jars	✓ 200
		Final Flow	30	Safety Joint	✓ 50
		Final Shut-In	60	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	✓ 850.00

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

Our Representative

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HYER #1-19 Test No. 3 Date 12/16/94

Company CROSS BAR PETROLEUM INC Zone LANSING

Address 151 N. MAIN, STE 630, WICHITA, KS 67202-1407 Elevation 2402

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRILLING #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 4580-4606 Drill Pipe Size 4.5" XH

Anchor Length 26 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4575 Drill Collar – 2.25 Ft. Run 150

Bottom Packer Depth 4580 Mud Wt. 9.3 lb/Gal.

Total Depth 4606 Viscosity 44 Filtrate 10.8

Tool Open @ 11:32PM Initial Blow WEAK BLOW. (1/2 TO 3-1/2")

Final Blow WEAK BLOW. (1/2 TO 2")

Recovery - Total Feet 185 Flush Tool? NO

Rec. 185 Feet of MUDDY WATER. 90% WATER; 10% MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 118 °F Gravity °API @ °F Corrected Gravity °API

RW 0.13 @ 64 °F Chlorides 89,000 ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud 2199.2 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 48.1 PSI @ (depth) 4603 w / Clock No. 27665

(C) First Final Flow Pressure 81.0 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1653.9 PSI @ (depth) 4598 w / Clock No. 23858

(E) Second Initial Flow Pressure 112.9 PSI AK1 Recorder No. Range

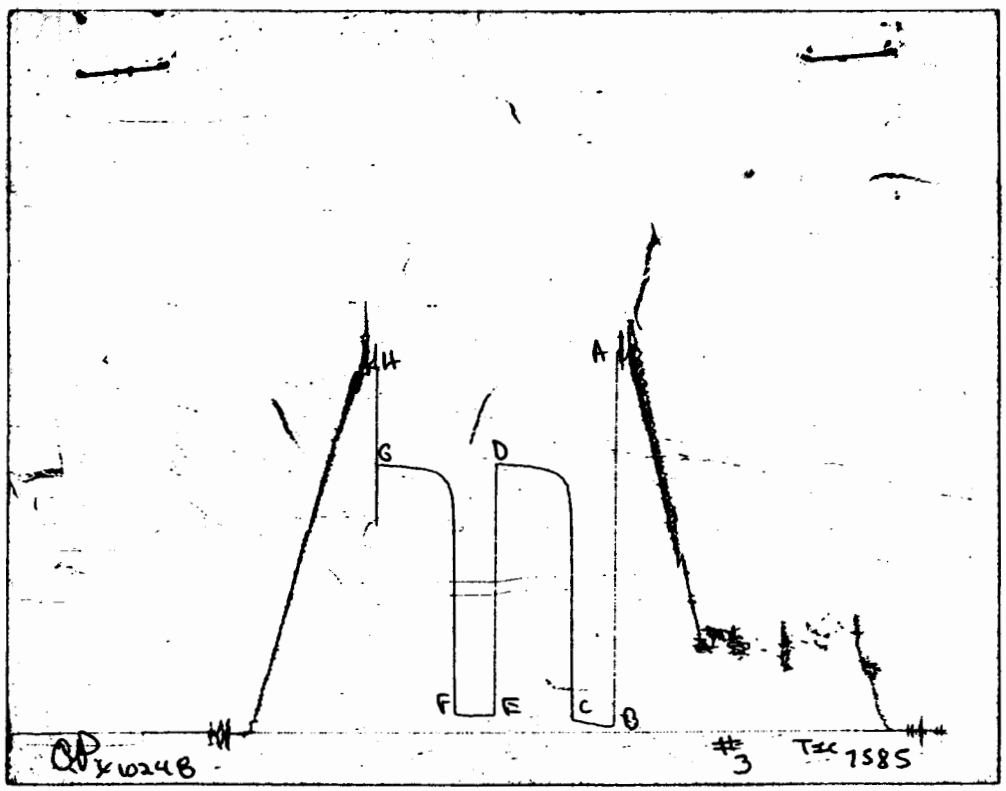
(F) Second Final Flow Pressure 114.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1544.5 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2153.0 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	2184	2199.2
(B) FIRST INITIAL FLOW PRESSURE	28	48.1
(C) FIRST FINAL FLOW PRESSURE	69	81.0
(D) INITIAL CLOSED-IN PRESSURE	1550	1653.9
(E) SECOND INITIAL FLOW PRESSURE	89	112.9
(F) SECOND FINAL FLOW PRESSURE	103	114.8
(G) FINAL CLOSED-IN PRESSURE	1550	1544.5
(H) FINAL HYDROSTATIC MUD	2151	2153.0

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Nº 7585

Test Ticket

Well Name & No. Hyer #1-19 Test No. 3 Date 12-16-94

Company Cross Bar Petr. Inc. Zone Tested L&NS.

Address 151 N. Main Suite 630 / Wichita Ks. 67202 Elevation 2402 K.B.

Co. Rep./Geo. Steve Davis Cont. Murfin Drlg. #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. Ford State Ks.

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4580 - 4606' Drill Pipe Size 4½" X.H.

Anchor Length 26' Top Choke — 1" V Bottom Choke — ¾" V

Top Packer Depth 4575' Hole Size — 7⅞" V Rubber Size — 6¾" V

Bottom Packer Depth 4580' Wt. Pipe I.D. — 2.7 Ft. Run None

Total Depth 4606' Drill Collar — 2.25 Ft. Run 150

Mud Wt. 9.3 lb/gal. Viscosity 44 Filtrate 10.8 cc.

Tool Open @ 11:32 P.M. Initial Blow Weak blow. (½ - 3½")

Final Blow Weak blow. (½ - 2")

Recovery — Total Feet 185' Feet of Gas in Pipe None Flush Tool? No

Rec.	185	Feet Of	M.W.	%gas	%oil 90	%water 10	%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 118 °F Gravity N.A. °API @ — °F Corrected Gravity N.A. °API

RW .013 @ 64 °F Chlorides 89,000 ppm Recovery Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud	2184 PSI	AK1 Recorder No.	13789	Range	4650
(B) First Initial Flow Pressure	28 PSI	@ (depth)	4603'	w/Clock No.	27665
(C) First Final Flow Pressure	69 PSI	AK1 Recorder No.	10248	Range	4,400
(D) Initial Shut-In Pressure	1550 PSI	@ (depth)	4598'	w/Clock No.	23858
(E) Second Initial Flow Pressure	89 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	103 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-In Pressure	1550 PSI	Initial Opening	30	Test	V 600.00
(H) Final Hydrostatic Mud	2151 PSI	Initial Shut-In	60	Jars	V 200.00
		Final Flow	30	Safety Joint	V 50.00
		Final Shut-In	60	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	V 850.00

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

Our Representative

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HYER #1-19 Test No. 4 Date 12/18/94

Company CROSS BAR PETROLEUM INC Zone MISSISSIPPI

Address 151 N. MAIN, STE 630, WICHITA, KS 67202-1407 Elevation 2402

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRILLING #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 4952-4976 Drill Pipe Size 4.5" XH

Anchor Length 24 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4947 Drill Collar – 2.25 Ft. Run 90

Bottom Packer Depth 4952 Mud Wt. 9.2 lb/Gal.

Total Depth 4976 Viscosity 60 Filtrate 9.6

Tool Open @ 7:02PM Initial Blow STRONG BLOW. GAS TO SURFACE IN 13 MINUTES. (SEE GAS VOLUME REPORT.)

Final Blow STRONG BLOW. (SEE GAS VOLUME REPORT).

Recovery - Total Feet 70 Flush Tool? NO

Rec. 4880 Feet of GAS IN PIPE

Rec. 70 Feet of DRILLING MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 127 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides 4,000 ppm Recovery Chlorides 3,200 ppm System

(A) Initial Hydrostatic Mud 2366.6 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 27.6 PSI @ (depth) 4973 w / Clock No. 27665

(C) First Final Flow Pressure 27.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1376.2 PSI @ (depth) 4968 w / Clock No. 23858

(E) Second Initial Flow Pressure 36.7 PSI AK1 Recorder No. Range

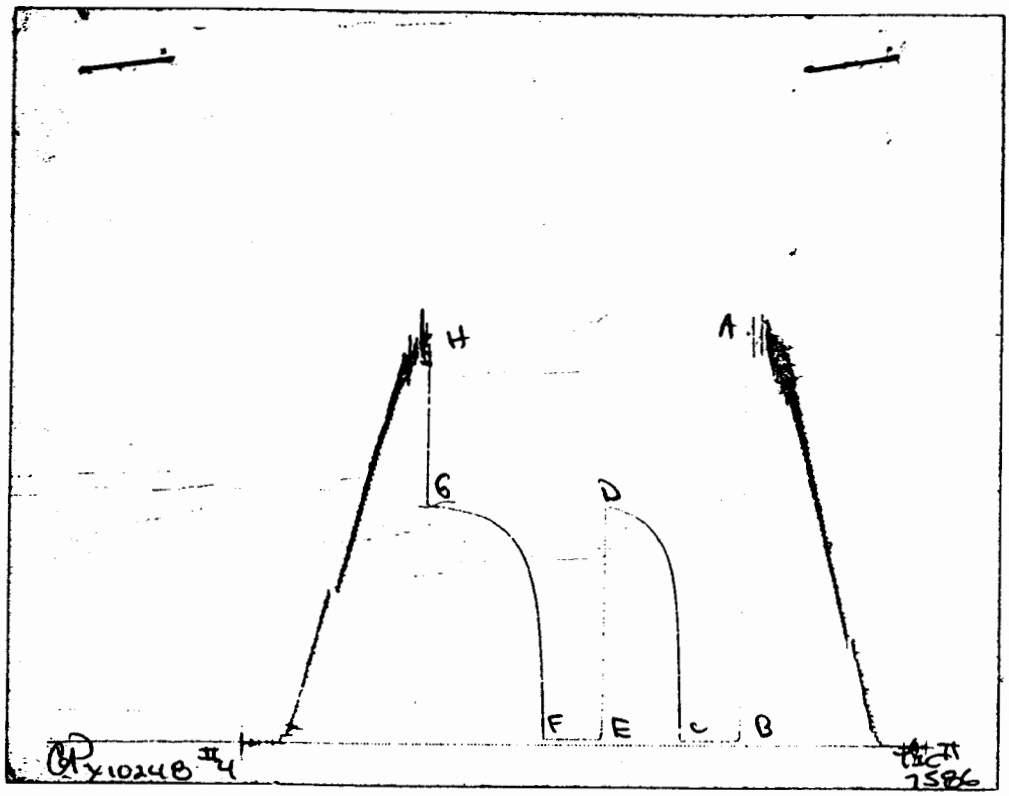
(F) Second Final Flow Pressure 41.5 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1383.9 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2258.6 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2371	2366.6
(B) FIRST INITIAL FLOW PRESSURE	21	27.6
(C) FIRST FINAL FLOW PRESSURE	23	27.6
(D) INITIAL CLOSED-IN PRESSURE	1384	1376.2
(E) SECOND INITIAL FLOW PRESSURE	25	36.7
(F) SECOND FINAL FLOW PRESSURE	25	41.5
(G) FINAL CLOSED-IN PRESSURE	1384	1383.9
(H) FINAL HYDROSTATIC MUD	2316	2258.6

GAS VOLUME REPORT

CROSS BAR PETROLEUM INC

HYER #1-19 DST # 4

MIN	IN OF WATER	ORIFICE	MCF/D
13		0.75	GTS
15	26	0.5	31.9
20	38	0.5	38.6
30	42	0.5	40.7
40	42	0.5	40.7

MIN	IN OF WATER	ORIFICE	MCF/D
10	74	0.5	53.9
20	54	0.5	46.1
30	42	0.5	40.7
40	40	0.5	39.6
45	38	0.5	38.6

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7586

Well Name & No. Hyer #1-19 Test No. 4 Date 12-18-94

Company Cross Bar Petr. Inc. Zone Tested Miss.

Address 151 N. Main Suite 630/Wichita Ks. 67202-1407 Elevation 2402 K.B.

Co. Rep./Geo. Steve Davis Cont. Murfin Drlg. #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. Ford State Ks.

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4952 - 4976' Drill Pipe Size 4½" X.H.

Anchor Length 24' Top Choke — 1" ✓ Bottom Choke — ¾" ✓

Top Packer Depth 4947' Hole Size — 7⅞" ✓ Rubber Size — 6¾" ✓

Bottom Packer Depth 4952' Wt. Pipe I.D. — 2.7 Ft. Run None

Total Depth 4976' Drill Collar — 2.25 Ft. Run 90'

Mud Wt. 9.2 lb / gal. Viscosity 60 Filtrate 9.6 c.c.

Tool Open @ 7:02 P.M. Initial Blow Strong blow. Gas to surface in 13 mins - (see gas volume report)

Final Blow Strong blow. (see gas volume report)

Recovery — Total Feet 70' Feet of Gas in Pipe 4880' approx. Flush Tool? No

Rec. 70	Feet Of Drlg. 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 127 °F Gravity N.A. °API @ ~ °F Corrected Gravity N.A. °API

RW N.A. @ ~ °F Chlorides 4,000 ppm Recovery Chlorides 3,200 ppm System

(A) Initial Hydrostatic Mud	2371 PSI	AK1 Recorder No.	13788	Range	4650
(B) First Initial Flow Pressure	21 PSI	@ (depth)	4973'	w/Clock No.	27665
(C) First Final Flow Pressure	23 PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	1384 PSI	@ (depth)	4968'	w/Clock No.	23858
(E) Second Initial Flow Pressure	25 PSI	AK1 Recorder No.	~	Range	~
(F) Second Final Flow Pressure	25 PSI	@ (depth)	~	w/Clock No.	~
(G) Final Shut-In Pressure	1384 PSI	Initial Opening	45	Test	✓ [redacted]600
(H) Final Hydrostatic Mud	2316 PSI	Initial Shut-In	60	Jars	✓ 200
		Final Flow	45	Safety Joint	✓ 560
		Final Shut-In	90	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	✓ 850.00

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Approved By ____

Our Representative Craig Pinkerton

Printcraft Printers - Hays, KS

TRILOBITE TESTING

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

CROSS BAR PETL. INC. (OPERATOR) | HYER # 1-19 (WELL NAME AND NO.) | 4 (DST NO.)

INITIAL OPEN				FINAL OPEN			
Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
13	—	3/4"	G.T.S.	10	74" in H20	1/2"	53.9
15	26" in H20	1/2"	31.9	20	54" in H20	1/2"	46.1
20	38" in H20	1/2"	38.6	30	42" in H20	1/2"	40.7
30	42" in H20	1/2"	40.7	40	40" in H20	1/2"	39.6
40	42" in H20	1/2"	40.7	45	38" in H20	1/2"	38.6

Remarks:

1 NCR

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HYER 1-19 Test No. 5 Date 12/19/94

Company CROSS BAR PETROLEUM INC Zone MISSISSIPPI

Address 151 N MAIN #630 WICHITA KS 67202 Elevation 2402

Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 4982-5002 Drill Pipe Size 4.5" XH

Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4977 Drill Collar – 2.25 Ft. Run 90

Bottom Packer Depth 4982 Mud Wt. 9.1 lb/Gal.

Total Depth 5002 Viscosity 47 Filtrate 8

Tool Open @ 11:26AM Initial Blow STRONG BLOW - GAS TO SURFACE IN 4 MINUTES

Final Blow STRONG BLOW

Recovery - Total Feet 85 Flush Tool? NO

Rec. 4890 Feet of GAS IN PIPE

Rec. 85 Feet of GASSY MUD 6%GAS/94%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 128 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides 4000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud 2376.5 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 81.0 PSI @ (depth) 4999 w / Clock No. 27665

(C) First Final Flow Pressure 81.0 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1121.6 PSI @ (depth) 4994 w / Clock No. 23858

(E) Second Initial Flow Pressure 95.6 PSI AK1 Recorder No. Range

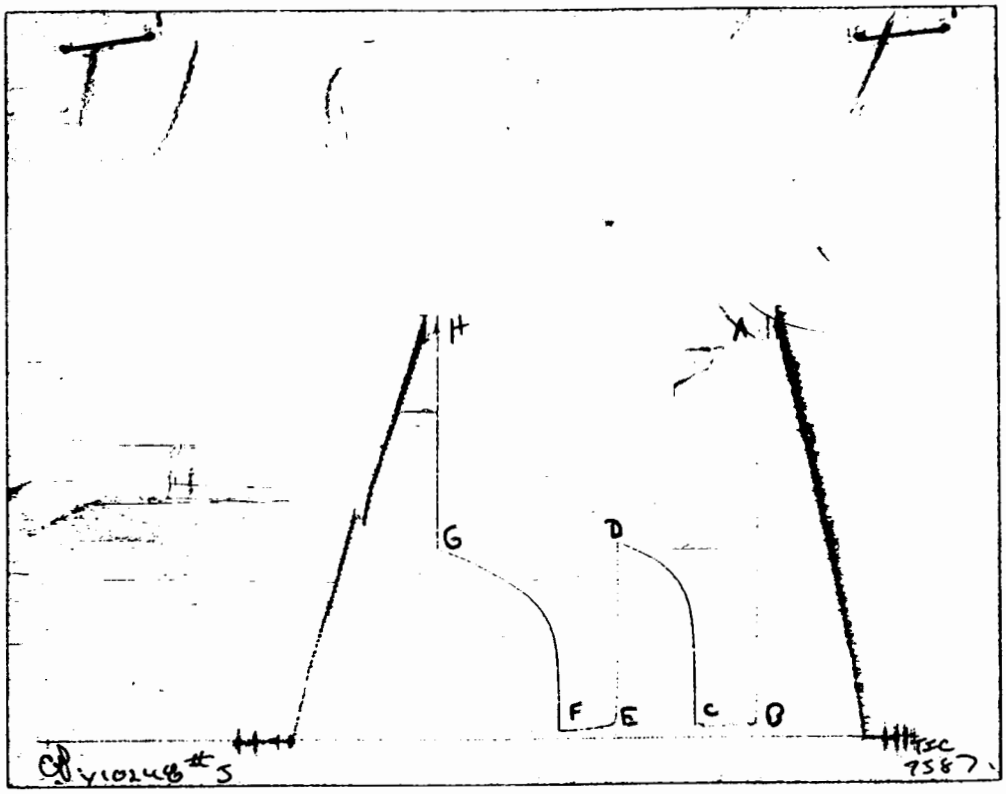
(F) Second Final Flow Pressure 47.0 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1093.2 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2313.5 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2371	2376.5
(B) FIRST INITIAL FLOW PRESSURE	57	81
(C) FIRST FINAL FLOW PRESSURE	57	81
(D) INITIAL CLOSED-IN PRESSURE	1123	1121.6
(E) SECOND INITIAL FLOW PRESSURE	57	95.6
(F) SECOND FINAL FLOW PRESSURE	28	47
(G) FINAL CLOSED-IN PRESSURE	1088	1093.2
(H) FINAL HYDROSTATIC MUD	2318	2313.5

ORIGINAL

INITIAL SHUT-IN

HYER 1-19

DST # 5

INITIAL FLOW TIME 45

SLOPE PSI/CYCLE

P* PSI

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	762.3	1.204	762.3	16
	6	822.7	0.929	60.4	9
	9	869.9	0.778	47.2	6
	12	910.4	0.677	40.6	5
	15	934.5	0.602	24.1	4
	18	961.9	0.544	27.4	4
	21	982.7	0.497	20.8	3
	24	1001.3	0.459	18.6	3
	27	1018.8	0.426	17.5	3
	30	1033.1	0.398	14.2	3
	33	1047.3	0.374	14.2	2
	36	1058.2	0.352	10.9	2
	39	1065.9	0.333	7.7	2
	42	1079.0	0.316	13.1	2
X	45	1088.8	0.301	9.8	2
	48	1098.7	0.287	9.8	2
	51	1107.4	0.275	8.7	2
	54	1115.1	0.263	7.7	2
X	57	1121.6	0.253	6.6	2

FINAL SHUT-IN

HYER 1-19

DST # 5

TOTAL FLOW TIME 90

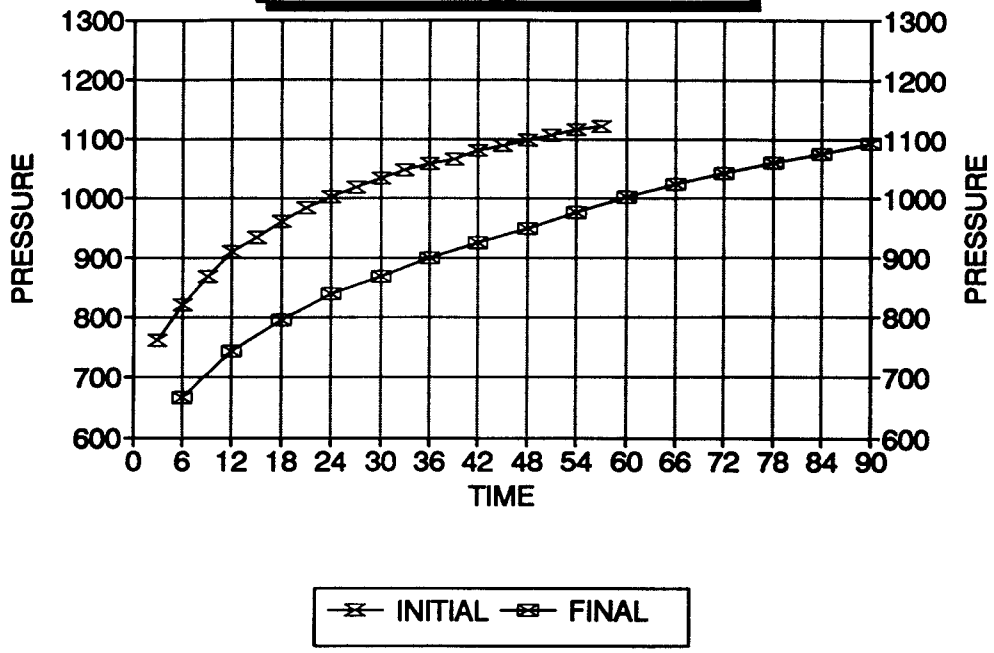
	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	6	665.4	1.204	665.4	16
	12	744.7	0.929	79.3	9
	18	797.4	0.778	52.7	6
	24	840.3	0.677	42.8	5
	30	868.8	0.602	28.5	4
	36	899.5	0.544	30.7	4
	42	925.8	0.497	26.3	3
	48	948.8	0.459	23.0	3
	54	976.2	0.426	27.4	3
	60	1001.3	0.398	25.2	3
	66	1023.2	0.374	21.9	2
X	72	1041.8	0.352	18.6	2
	78	1059.3	0.333	17.5	2
	84	1074.6	0.316	15.3	2
X	90	1093.2	0.301	18.6	2

SLOPE PSI/CYCLE

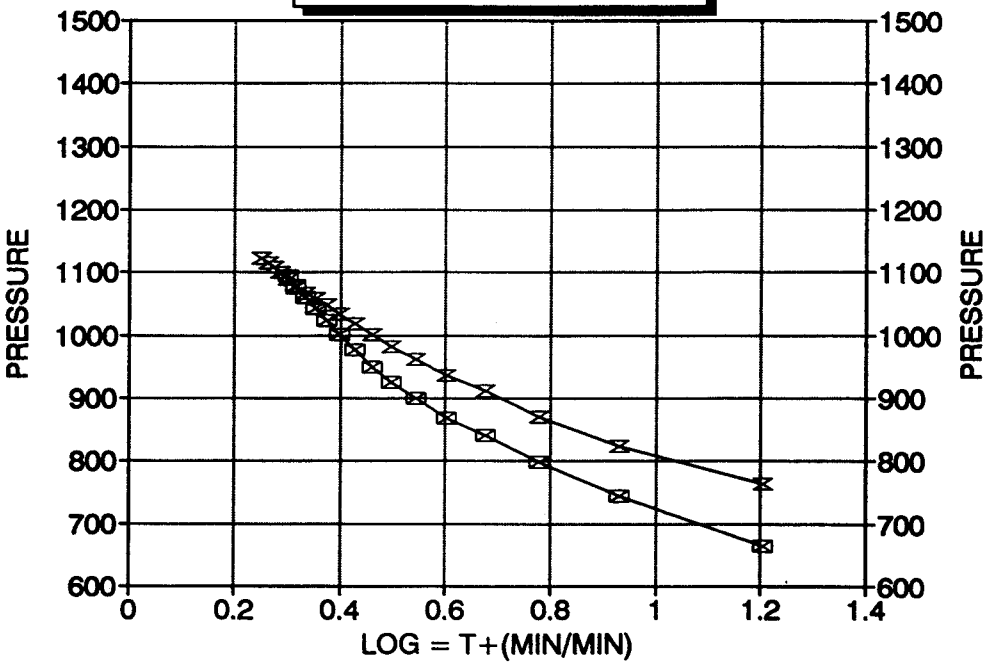
P* PSI

DELTA T DELTA P

HYER 1-19 / DST #5



HORNER PLOT



GAS VOLUME REPORT

CROSS BAR PETROLEUM INC

HYER 1-19 DST # 5

MIN	IN WATER/PSIG	ORIFICE	MCF/D	MIN	IN WATER/PSIG	ORIFICE	MCF/D
4		0.75	GTS	10	16	0.75	344
8	12	0.75	288	20	14	0.75	317
10	14	0.75	317	30	11	0.75	274
20	15	0.75	331	40	10	0.75	259
30	14	0.75	317	45	9.5	0.75	251
40	12	0.75	288				

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7587

Well Name & No. HYER # 1-19 Test No. 5 Date 12-19-94

Company CROSS BAR PETL. INC. Zone Tested MISS.

Address 151 N. MAIN SUITE 630 / WICHITA KS. 67202-1407 Elevation 2402 K.B.

Co. Rep./Geo. STEVE DAVIS Cont. MURFIN DRLG. #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS.

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4982 - 5002' Drill Pipe Size 4½" X.H.

Anchor Length 20' Top Choke — 1" ✓ Bottom Choke — ¾" ✓

Top Packer Depth 4977' Hole Size — 7⅞" ✓ Rubber Size — 6¾" ✓

Bottom Packer Depth 4982' Wt. Pipe I.D. — 2.7 Ft. Run NONE

Total Depth 5002' Drill Collar — 2.25 Ft. Run 90'

Mud Wt. 9.1 lb / gal. Viscosity 47 Filtrate 8.0 cc.

Tool Open @ 11:26 A.M. Initial Blow Strong blow. G.T.S. in 4 mins. (see gas volume report)

Final Blow Strong blow. (see gas volume report)

Recovery — Total Feet 85 Feet of Gas in Pipe Approx 4890' Flush Tool? No

Rec. 85 Feet Of Gassy Mud C %gas %oil %water 94 %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 128 °F Gravity N.A. °API @ ~ °F Corrected Gravity N/A. °API

RW N.A. @ ~ °F Chlorides 4,000 ppm Recovery Chlorides 3,500 ppm System

(A) Initial Hydrostatic Mud	2371 PSI	AK1 Recorder No.	13788	Range	4650
(B) First Initial Flow Pressure	57 PSI	@ (depth)	4999'	w/Clock No.	27665
(C) First Final Flow Pressure	57 PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	1123 PSI	@ (depth)	4994'	w/Clock No.	23858
(E) Second Initial Flow Pressure	57 PSI	AK1 Recorder No.	~	Range	~
(F) Second Final Flow Pressure	28 PSI	@ (depth)	~	w/Clock No.	~
(G) Final Shut-In Pressure	1088 PSI	Initial Opening	45	Test	✓ 700
(H) Final Hydrostatic Mud	2318 PSI	Initial Shut-In	60	Jars	✓ 200
		Final Flow	45	Safety Joint	✓ 50
		Final Shut-In	90	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	eval
				TOTAL PRICE $	✓ 950.00

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 ____

Our Representative ____

Printcraft Printers - Hays, KS

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

CROSS BAR PETL INC (OPERATOR) | HEIR # 1-19 (WELL NAME AND NO.) | 5 (DST NO.)

INITIAL OPEN				FINAL OPEN			
Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
4	~	3/4"	G.T.S.	10	16 P.S.I.	3/4"	344
8	12 P.S.I.	3/4"	288	20	14 P.S.I.	3/4"	317
10	14 P.S.I.	3/4"	317	30	11 P.S.I.	3/4"	27[illegible]
20	15 P.S.I.	3/4"	331	40	10 P.S.I.	3/4"	251
30	14 P.S.I	3/4"	317	45	9.5 P.S.I.	3/4"	251
40	12 P.S.I.	3/4"	288				

Remarks:

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HYER #1-19 Test No. 6 Date 12/20/94

Company CROSS BAR PETROLEUM INC Zone MISSISSIPPI

Address 151 N. MAIN, STE 630, WICHITA, KS 67202-1407 Elevation 2402

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRILLING #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 5000-5047 Drill Pipe Size 4.5" XH

Anchor Length 47 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4995 Drill Collar – 2.25 Ft. Run 90

Bottom Packer Depth 5000 Mud Wt. 9 lb/Gal.

Total Depth 5047 Viscosity 52 Filtrate 8.0

Tool Open @ 8:07AM Initial Blow STRONG BLOW. BOTTOM OF BUCKET IN 10 SECONDS OR LESS.

Final Blow STRONG BLOW. GAS TO SURFACE IN 1 MINUTE. (SEE GAS VOLUME REPORT)

Recovery - Total Feet 160 Flush Tool? NO

Rec. 4830 Feet of GAS IN PIPE

Rec. 100 Feet of GASSY MUD WITH OIL SPECS. 10% GAS; 90% MUD.

Rec. 60 Feet of GASSY OIL CUT MUD. 10% GAS; 18% OIL; 72% MUD.

Rec. Feet of

Rec. Feet of

BHT 130 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides 4,500 ppm Recovery Chlorides 4,500 ppm System

(A) Initial Hydrostatic Mud 2478.0 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 51.2 PSI @ (depth) 5044 w / Clock No. 27665

(C) First Final Flow Pressure 51.2 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1410.6 PSI @ (depth) 5039 w / Clock No. 23858

(E) Second Initial Flow Pressure 64.0 PSI AK1 Recorder No. Range

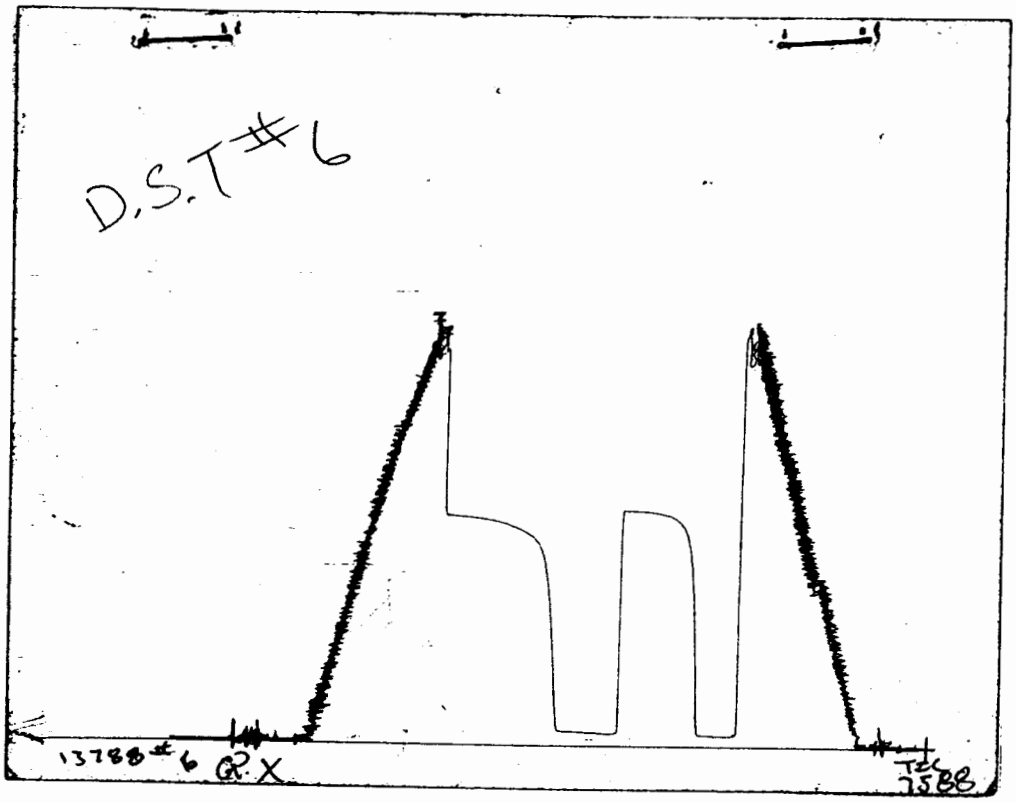
(F) Second Final Flow Pressure 83.7 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1375.0 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2412.8 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2460	2478.0
(B) FIRST INITIAL FLOW PRESSURE	53	51.2
(C) FIRST FINAL FLOW PRESSURE	60	51.2
(D) INITIAL CLOSED-IN PRESSURE	1406	1410.6
(E) SECOND INITIAL FLOW PRESSURE	60	64.0
(F) SECOND FINAL FLOW PRESSURE	84	83.7
(G) FINAL CLOSED-IN PRESSURE	1367	1375.0
(H) FINAL HYDROSTATIC MUD	2391	2412.8

FLUID SAMPLER DATA

Ticket No.: 7495 **Date:** 12/20/94

Company: CROSS BAR PETROLEUM INC

Lease: HYER #1-19 **Test No.:** 6

County: FORD **Sec.:** 19 **Twp.:** 27S **Rng.:** 21W

SAMPLER RECOVERY

Gas		ML
Oil		ML
Mud	4000	ML
Water		ML
Other		ML
Pressure	15	PSI
TOTAL	4000	ML

SAMPLER ANALYSIS

Resistivity	5.5	ohms@	70	F
Chlorides	900			ppm.
Gravity			corrected @60F	

PIT MUD ANALYSIS

Chlorides	4,500		
Resistivity		ohms@	F
Viscosity	52		
Mud Wt.	9		
Filtrate	8.0		
Other			

PIPE RECOVERY

TOP

Resistivity		ohms@	F
Chlorides			ppm

MIDDLE

Resistivity		ohms@	F
Chlorides			ppm

BOTTOM

Resistivity	5.5	ohms@	70	F
Chlorides	900			ppm

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7588

Well Name & No. Hall #1-19 Test No. 6 Date 12-20-94

Company Cross Bar Petr. Inc. Zone Tested Miss

Address 151 N. Main Suite 630 / Wichita Ks. 67202-1407 Elevation 2402 K.B

Co. Rep./Geo. Steve Davis Cont. Murfin Drlg. #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. Ford. State Ks.

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 5000 - 5047' Drill Pipe Size 4½" X.H.

Anchor Length 47' Top Choke — 1" ✓ Bottom Choke — ¾" ✓

Top Packer Depth 4995' Hole Size — 7⅞" ✓ Rubber Size — 6¾" ✓

Bottom Packer Depth 5000' Wt. Pipe I.D. — 2.7 Ft. Run None

Total Depth 5047' Drill Collar — 2.25 Ft. Run 90

Mud Wt. 9.0 lb/gal. Viscosity 52 Filtrate 8.0 cc.

Tool Open @ 807 A.M. Initial Blow Strong blow (1st min. of bucket in 10 seconds or less)

Final Blow Strong blow G.T.S. in 1 min. (see gas volume report)

Recovery — Total Feet 160' Feet of Gas in Pipe approx 4,830' Flush Tool? No

Rec. 100' Feet Of Gassy Mud & oil specs 10 %gas %oil %water 90 %mud

Rec. 60' Feet Of G.O.&M. 10 %gas 18 %oil %water 72 %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

BHT 130 °F Gravity N.A. °API @ — °F Corrected Gravity N.A. °API

RW N.R. @ — °F Chlorides 4500 ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud	2460 PSI	AK1 Recorder No.	13788	Range	4650
(B) First Initial Flow Pressure	53 PSI	@ (depth)	5044'	w/Clock No.	27665
(C) First Final Flow Pressure	60 PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-in Pressure	1406 PSI	@ (depth)	5039'	w/Clock No.	23858
(E) Second Initial Flow Pressure	60 PSI	AK1 Recorder No.	—	Range	—
(F) Second Final Flow Pressure	84 PSI	@ (depth)	—	w/Clock No.	—
(G) Final Shut-in Pressure	1367 PSI	Initial Opening	30	Test	✓ 700
(H) Final Hydrostatic Mud	2391 PSI	Initial Shut-in	60	Jars	✓ 200
		Final Flow	45	Safety Joint	✓ 50
		Final Shut-in	90	Straddle	____
				Circ. Sub	____
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	✓ 950.00

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 [signature]

Our Representative [signature]

Printcraft Printers - Hays, KS

TRILOBITE TESTING

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GAS VOLUME REPORT

CROSS BAR PETL. INC. (OPERATOR) | HYER II 1-19 (WELL NAME AND NO.) | 6 (DST NO.)

INITIAL OPEN				FINAL OPEN			
Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
30			NO G.T.S.	1	—	½"	G.T.S.
				10	10" in H2O	½"	19.9
				20	66" in H2O	¼"	13.6
				30	84" in H2O	¼"	15.4
				40	94" in H2O	¼"	16.3
				45	100" in H2O	¼"	16.8

Remarks:

101 NCR

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HYER #1-19 Test No. 7 Date 12/21/94

Company CROSS BAR PETROLEUM INC Zone MISSISSIPPI

Address 151 N. MAIN, STE 630, WICHITA, KS 67202-1407 Elevation 2402

Co. Rep./Geo. THOMAS BLAIR Cont. MURFIN DRILLING #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27S Rge. 21W Co. FORD State KS

Interval Tested 5038-5055 Drill Pipe Size 4.5" XH

Anchor Length 17 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 5033 Drill Collar – 2.25 Ft. Run 150

Bottom Packer Depth 5038 Mud Wt. 9.0 lb/Gal.

Total Depth 5055 Viscosity 52 Filtrate 8.0

Tool Open @ 1:28AM Initial Blow FAIR TO STRONG BELOW. BOTTOM OF BUCKET IN 21 MINUTES.

Final Blow FAIR TO STRONG BLOW. BOTTOM OF BUCKET IN 22 MINUTES.

Recovery - Total Feet 550 Flush Tool? NO

Rec. 120 Feet of GAS IN PIPE

Rec. 550 Feet of MUDDY WATER. 92% WATER; 8% MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW 0.81 @ 50 °F Chlorides 17,000 ppm Recovery Chlorides 4,500 ppm System

(A) Initial Hydrostatic Mud 2493.3 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 39.0 PSI @ (depth) 5052 w / Clock No. 27665

(C) First Final Flow Pressure 145.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1425.4 PSI @ (depth) 5047 w / Clock No. 23858

(E) Second Initial Flow Pressure 170.7 PSI AK1 Recorder No. Range

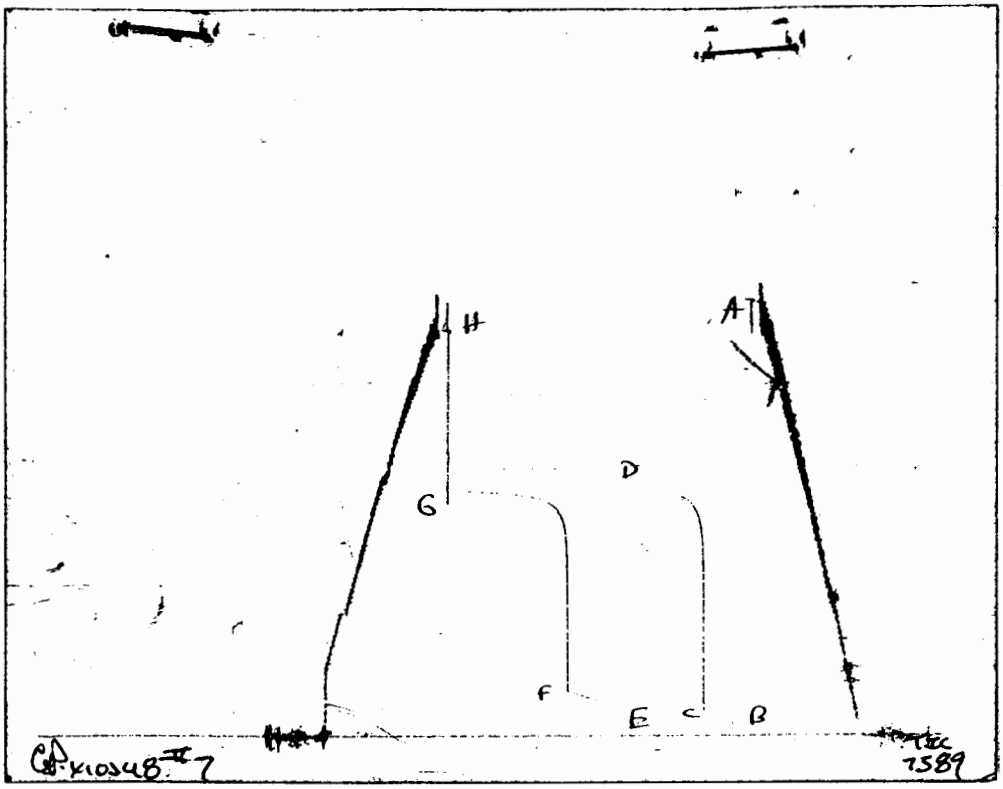
(F) Second Final Flow Pressure 264.2 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1415.6 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2398.5 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2483	2493.3
(B) FIRST INITIAL FLOW PRESSURE	23	39.0
(C) FIRST FINAL FLOW PRESSURE	144	145.8
(D) INITIAL CLOSED-IN PRESSURE	1434	1425.4
(E) SECOND INITIAL FLOW PRESSURE	153	170.7
(F) SECOND FINAL FLOW PRESSURE	263	264.2
(G) FINAL CLOSED-IN PRESSURE	1412	1415.6
(H) FINAL HYDROSTATIC MUD	2338	2398.5

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 7589

Well Name & No. Hyer #1-19 Test No. 7 Date 12-21-94

Company Cross Bar Petl. Inc. Zone Tested Miss

Address 151 N. Main Suite 630 / Wichita Ks. 67202-1407 Elevation 2402 K.B

Co. Rep./Geo. Steve Davis Cont. Murfin Drlg. #21 Est. Ft. of Pay

Location: Sec. 19 Twp. 27s Rge. 21w Co. Ford State Ks.

No. of Copies 6 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 5038 - 5055' Drill Pipe Size 4½" X.H

Anchor Length 17' Top Choke — 1" ✓ Bottom Choke — ¼" ✓

Top Packer Depth 5033' Hole Size — 7⅞" ✓ Rubber Size — 6¾" ✓

Bottom Packer Depth 5038' Wt. Pipe I.D. — 2.7 Ft. Run None

Total Depth 5055' Drill Collar — 2.25 Ft. Run 150

Mud Wt. 9.0 lb/gal. Viscosity 52 Filtrate 8.0 cc.

Tool Open @ 1:28 A.M. Initial Blow Fair to strong blow. (Btm. of bucket in 21 mins.)

Final Blow Fair to strong blow. (Btm. of bucket in 22 mins.)

Recovery — Total Feet 550' Feet of Gas in Pipe 120 Flush Tool? No

Rec. 550 Feet Of M.W. %gas %oil 92 %water 8 %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 ____ °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW 0.81 @ 50 °F Chlorides 17,000 ppm Recovery Chlorides 4,500 ppm System

(A) Initial Hydrostatic Mud	2483 PSI	AK1 Recorder No.	13788	Range	4650
(B) First Initial Flow Pressure	23 PSI	@ (depth)	5052'	w/Clock No.	27665
(C) First Final Flow Pressure	144 PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	1434 PSI	@ (depth)	5047'	w/Clock No.	23858
(E) Second Initial Flow Pressure	153 PSI	AK1 Recorder No.	~~	Range	~~
(F) Second Final Flow Pressure	263 PSI	@ (depth)	~~	w/Clock No.	~~
(G) Final Shut-In Pressure	1412 PSI	Initial Opening	30	Test	✓ 700.00
(H) Final Hydrostatic Mud	2338 PSI	Initial Shut-In	60	Jars	✓ 200.00
		Final Flow	45	Safety Joint	✓ 50
		Final Shut-In	90	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	✓ 950.00

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 Steve Davis

Our Representative Tommy Printcraft

Printcraft Printers - Hays, KS