TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name COOK "P" #1-33 Test No. 1 Date 5/30/94

Company McCOY PETROLEUM CORPORATION Zone LANSING "G"

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 2961

Co. Rep./Geo. JOHN HASTINGS Cont. SWEETMAN DRLG RIG #1 Est. Ft. of Pay 5

Location: Sec. 33 Twp. 22S Rge. 34W Co. FINNEY State KS

Interval Tested 4001-4018 Drill Pipe Size 4.5" XH

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

Top Packer Depth 3996 Drill Collar – 2.25 Ft. Run 275

Bottom Packer Depth 4001 Mud Wt. 8.9 lb/Gal.

Total Depth 4018 Viscosity 42 Filtrate 11.6

Tool Open @ 3:35 PM Initial Blow WEAK BLOW DIED IN 15 MINUTES

Final Blow NO RETURN BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD WITH SPOTS OIL IN TOOL

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 110 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 1891.7 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 67.6 PSI @ (depth) 4008 w / Clock No. 22992

(C) First Final Flow Pressure 41.6 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 239.1 PSI @ (depth) 4013 w / Clock No. 19960

(E) Second Initial Flow Pressure 69.6 PSI AK1 Recorder No. Range

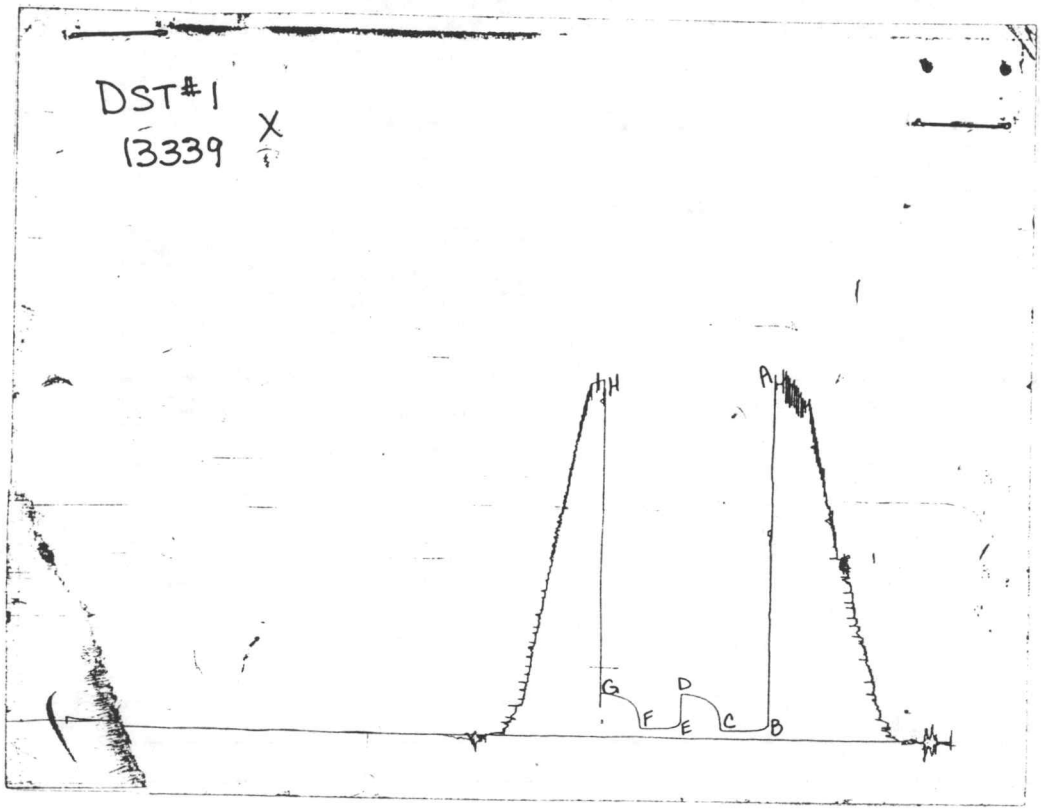
(F) Second Final Flow Pressure 48.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 237.1 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1872.7 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart #13339

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1872	1891.7
(B) FIRST INITIAL FLOW PRESSURE	31	67.6
(C) FIRST FINAL FLOW PRESSURE	31	41.6
(D) INITIAL CLOSED-IN PRESSURE	239	239.1
(E) SECOND INITIAL FLOW PRESSURE	31	69.6
(F) SECOND FINAL FLOW PRESSURE	31	48.8
(G) FINAL CLOSED-IN PRESSURE	228	237.1
(H) FINAL HYDROSTATIC MUD	1862	1872.7

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name COOK "P" #1-33 Test No. 2 Date 5/31/94

Company McCOY PETROLEUM CORPORATION Zone KS CITY "A"

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 2961

Co. Rep./Geo. JOHN HASTINGS Cont. SWEETMAN DRLG RIG #1 Est. Ft. of Pay

Location: Sec. 33 Twp. 22S Rge. 34W Co. FINNEY State KS

Interval Tested 4130-4150 Drill Pipe Size 4.5" XH

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

Top Packer Depth 4125 Drill Collar – 2.25 Ft. Run 275

Bottom Packer Depth 4130 Mud Wt. 9 lb/Gal.

Total Depth 4150 Viscosity 48 Filtrate 12

Tool Open @ 8:22 AM Initial Blow WEAK 1/4" BLOW STEADY THROUGHOUT

Final Blow NO RETURN BLOW

Recovery - Total Feet 120 Flush Tool? NO

Rec. 120 Feet of WATERY MUD WITH GOOD SHOW OF OIL SCUM IN TOOL

Rec. Feet of (25% WTR/ 75% MUD)

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW 0.36 @ 98 °F Chlorides 12500 ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 1965.7 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 17.6 PSI @ (depth) 4140 w / Clock No. 19960

(C) First Final Flow Pressure 35.3 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 742.7 PSI @ (depth) 4145 w / Clock No. 22992

(E) Second Initial Flow Pressure 64.8 PSI AK1 Recorder No. Range

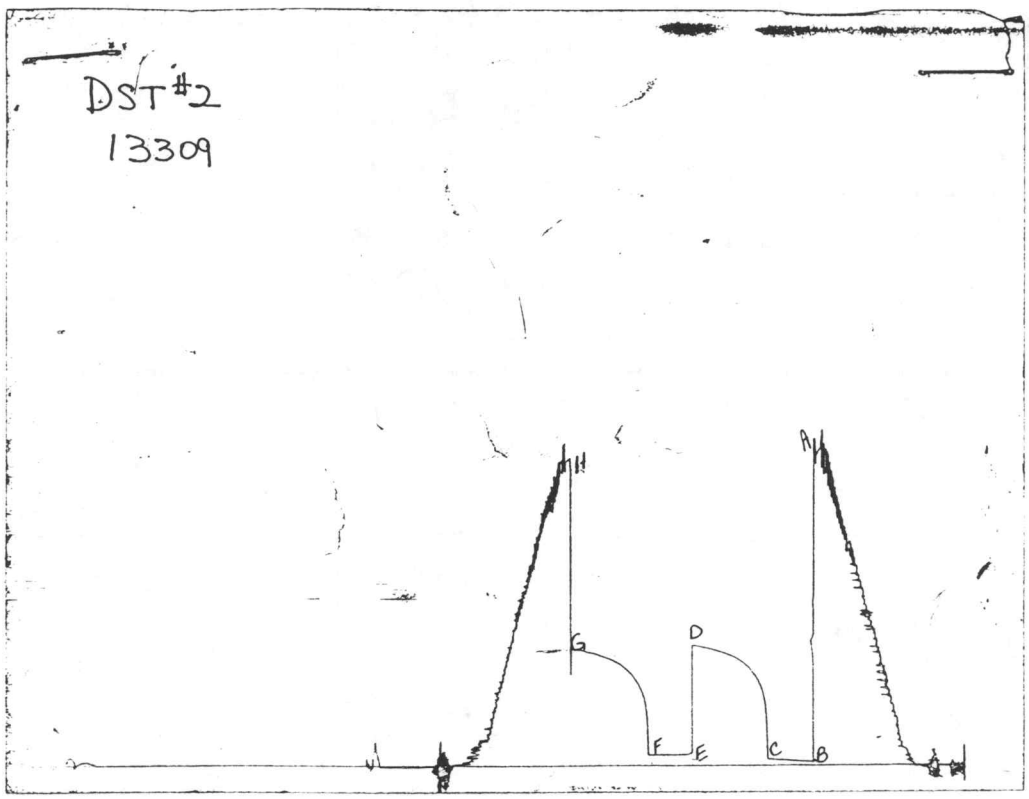
(F) Second Final Flow Pressure 64.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 724.8 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1883.2 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart #13309

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1942	1965.7
(B) FIRST INITIAL FLOW PRESSURE	20	17.6
(C) FIRST FINAL FLOW PRESSURE	31	35.3
(D) INITIAL CLOSED-IN PRESSURE	749	742.7
(E) SECOND INITIAL FLOW PRESSURE	62	64.8
(F) SECOND FINAL FLOW PRESSURE	62	64.8
(G) FINAL CLOSED-IN PRESSURE	729	724.8
(H) FINAL HYDROSTATIC MUD	1882	1883.2

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name COOK "P" #1-33 Test No. 3 Date 6/1/94

Company McCOY PETROLEUM CORPORATION Zone MARMATON

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 2961

Co. Rep./Geo. JOHN HASTINGS Cont. SWEETMAN DRLG RIG #1 Est. Ft. of Pay 6

Location: Sec. 33 Twp. 22S Rge. 34W Co. FINNEY State KS

Interval Tested 4285-4304 Drill Pipe Size 4.5" XH

Anchor Length 19 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4280 Drill Collar – 2.25 Ft. Run 275

Bottom Packer Depth 4285 Mud Wt. 8.9 lb/Gal.

Total Depth 4304 Viscosity 45 Filtrate 12

Tool Open @ 7:54 AM Initial Blow TOOL SLID 2' FAIR BLOW SLOWLY BUILT TO 8"

ISI: BLED OFF BLOW - SURFACE RETURN BUILT TO 2"

Final Blow FAIR TO STRONG BLOW OFF BOTTOM IN 15 MINUTES

FSI: BLED OFF BLOW- SURFACE RETURN BUILT TO 2"

Recovery - Total Feet 315 Flush Tool? NO

Rec. 975 Feet of GAS IN PIPE

Rec. 135 Feet of CLEAN GASSY OIL- 75% GAS/ 25% OIL

Rec. 180 Feet of GASSY OIL CUT MUD - 30% GAS/ 20% OIL/ 50% MUD

Rec. Feet of

Rec. Feet of

BHT 120 °F Gravity 39.8 °API @ 88 °F Corrected Gravity 37 °API

RW @ °F Chlorides ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 1996.9 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 100.8 PSI @ (depth) 4294 w / Clock No. 19960

(C) First Final Flow Pressure 100.8 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 482.9 PSI @ (depth) 4299 w / Clock No. 22992

(E) Second Initial Flow Pressure 124.7 PSI AK1 Recorder No. Range

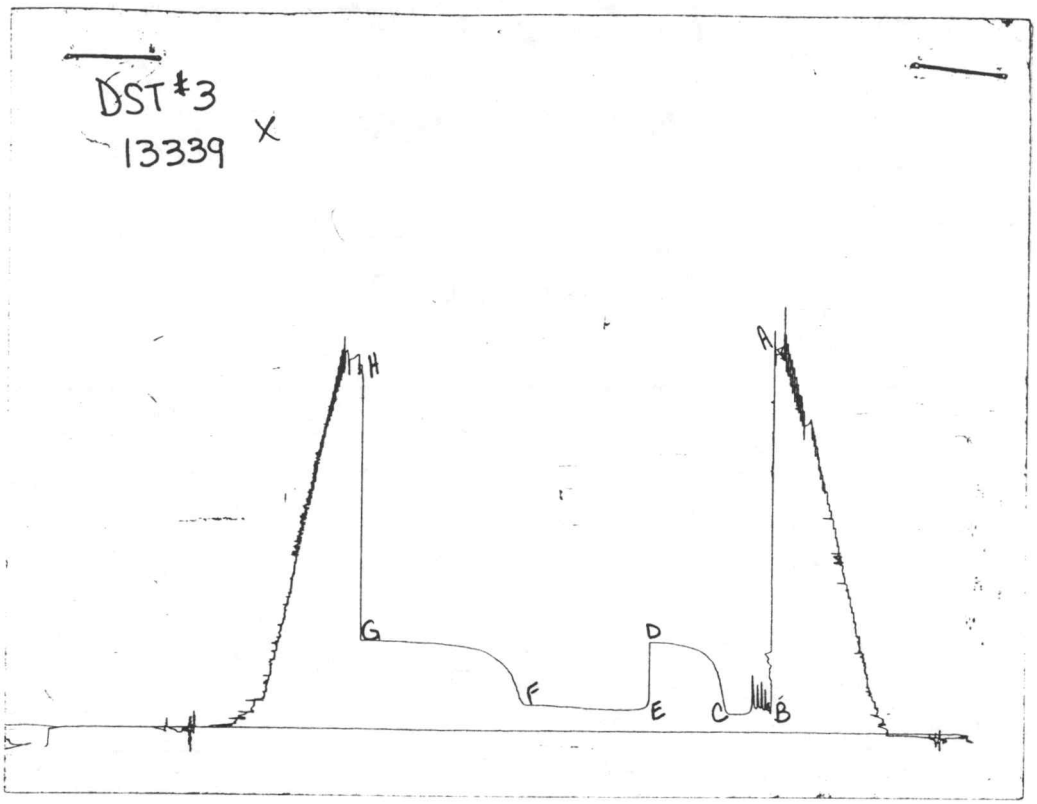
(F) Second Final Flow Pressure 142.4 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 477.7 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 1914.7 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart #13339

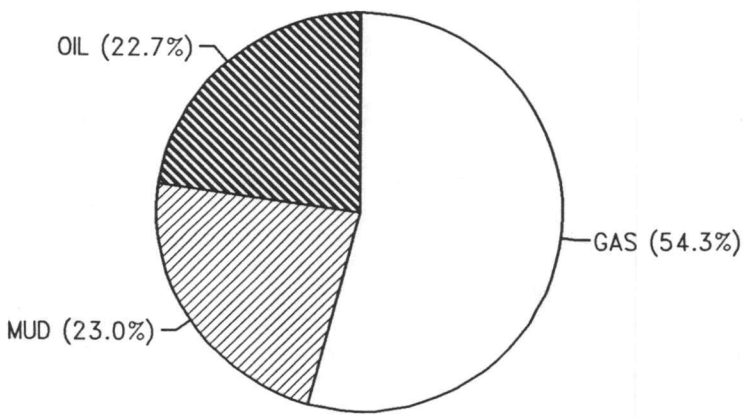
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2003	1996.9
(B) FIRST INITIAL FLOW PRESSURE	104	100.8
(C) FIRST FINAL FLOW PRESSURE	104	100.8
(D) INITIAL CLOSED-IN PRESSURE	488	482.9
(E) SECOND INITIAL FLOW PRESSURE	124	124.7
(F) SECOND FINAL FLOW PRESSURE	145	142.4
(G) FINAL CLOSED-IN PRESSURE	488	477.7
(H) FINAL HYDROSTATIC MUD	1972	1914.7

CALCULATED RECOVERY ANALYSIS

DST 3 TICKET # 7069

SAMPLE #	TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
DRILL 1	40	75	30	25	10	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
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	95	75	71.25	25	23.75	0	0	0	0
COLLAR 2	180	30	54	20	36	0	0	50	90
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	315		155.25		69.75		0		90

			HRS OPEN	BBL/DAY
BBL OIL=	0.4343775	*	1.5	6.95004
BBL WATER=	0	*		0
BBL MUD=	0.4401			
BBL GAS =	1.0390725			



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: COOK "P" #1-33 | Test No. 4 | Date 6/2/94

Company: McCOY PETROLEUM CORPORATION | Zone CHEROKEE

Address: 3017 N. CYPRESS WICHITA KS 67226-4003 | Elevation 2961

Co. Rep./Geo.: JOHN HASTINGS | Cont. SWEETMAN DRLG RIG #1 | Est. Ft. of Pay 3

Location: Sec. 33 | Twp. 22S | Rge. 34W | Co. FINNEY | State KS

Interval Tested: 4383-4414 | Drill Pipe Size: 4.5" XH

Anchor Length: 31 | Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4378 | Drill Collar – 2.25 Ft. Run: 275

Bottom Packer Depth: 4383 | Mud Wt.: 8.9 lb/Gal.

Total Depth: 4414 | Viscosity: 47 | Filtrate: 12

Tool Open @: 6:00 AM | Initial Blow: SURFACE BLOW W/ PLUGGING ACTION BUILT TO 11"

ISI:BLED OFF BLOW-SURFACE RETURN AFTER 10 MINUTES-DIED IN 20 MINUTES

Final Blow: FAIR TO STRONG BLOW OFF BOTTOM IN 8 MINUTES

FSI: BLED OFF BLOW-SURFACE RETURN SLOWLY BUILT TO 2.5"

Recovery - Total Feet: 285 | Flush Tool?: NO

Rec. 980	Feet of	GAS IN PIPE
Rec. 95	Feet of	CLEAN GASSY OIL- 60% GAS/ 40% OIL
Rec. 190	Feet of	GASSY OIL CUT MUD - 45% GAS/ 15% OIL/ 40% MUD
Rec.	Feet of	
Rec.	Feet of	

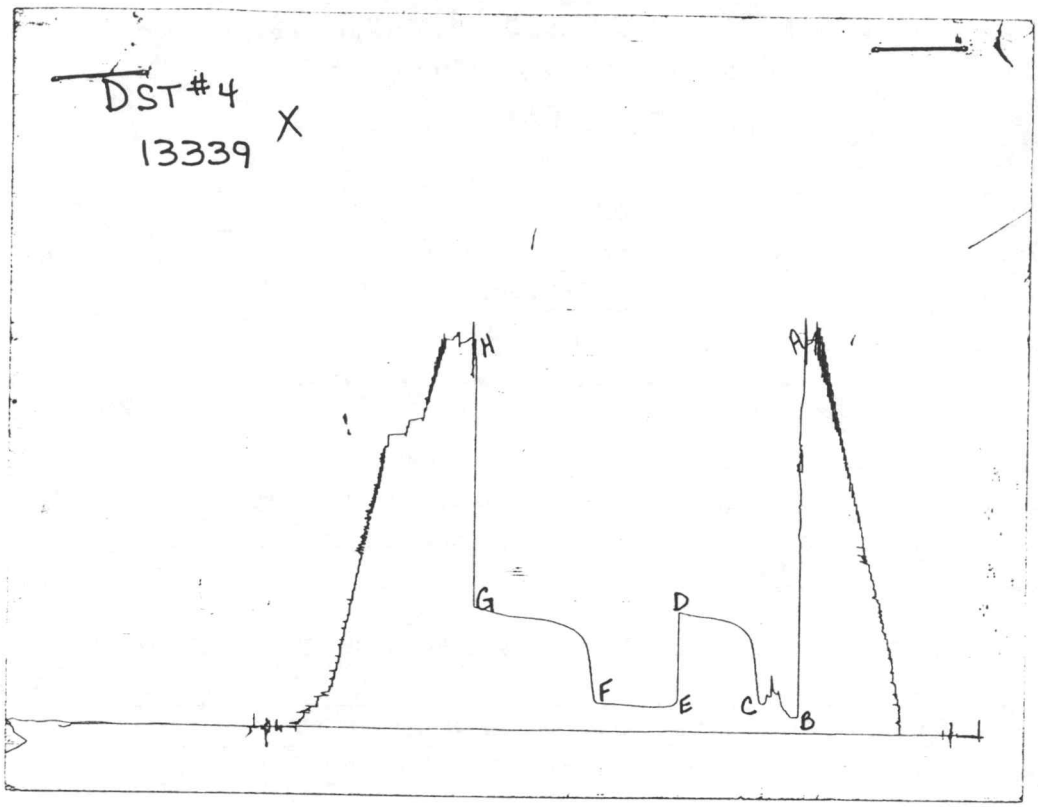
BHT 120 °F | Gravity 33 °API | @ 80 °F | Corrected Gravity 31 °API

RW @ °F | Chlorides ppm Recovery | Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	2057.1 PSI	AK1 Recorder No. 13309	Range 4700
(B) First Initial Flow Pressure	85.2 PSI	@ (depth) 4404	w / Clock No. 19960
(C) First Final Flow Pressure	153.8 PSI	AK1 Recorder No. 13339	Range 4025
(D) Initial Shut-in Pressure	637.2 PSI	@ (depth) 4409	w / Clock No. 22992
(E) Second Initial Flow Pressure	138.2 PSI	AK1 Recorder No.	Range
(F) Second Final Flow Pressure	150.7 PSI	@ (depth)	w / Clock No.
(G) Final Shut-in Pressure	652.3 PSI	Initial Opening 30	Final Flow 60
(H) Final Hydrostatic Mud	2053.1 PSI	Initial Shut-in 60	Final Shut-in 90

Our Representative: ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart #13339

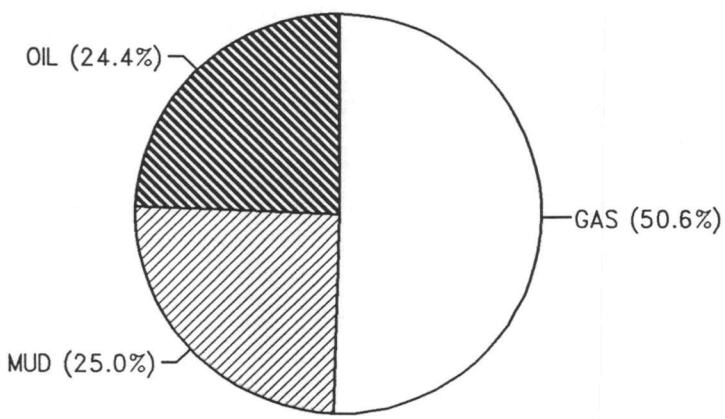
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2053	2057.1
(B) FIRST INITIAL FLOW PRESSURE	72	85.2
(C) FIRST FINAL FLOW PRESSURE	135	153.8
(D) INITIAL CLOSED-IN PRESSURE	629	637.2
(E) SECOND INITIAL FLOW PRESSURE	135	138.2
(F) SECOND FINAL FLOW PRESSURE	145	150.7
(G) FINAL CLOSED-IN PRESSURE	639	652.3
(H) FINAL HYDROSTATIC MUD	2033	2053.1

CALCULATED RECOVERY ANALYSIS

DST 4 TICKET # 7070

SAMPLE #	TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
DRILL 1	10	60	6	40	4	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
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	85	60	51	40	34	0	0	0	0
COLLAR 2	190	45	85.5	15	28.5	0	0	40	76
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	285		142.5		66.5		0		76

			HRS OPEN	BBL/DAY
BBL OIL=	0.362505	*	1.5	5.80008
BBL WATER=	0	*		0
BBL MUD=	0.37164			
BBL GAS =	0.752805			



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name COOK "P" #1-33 Test No. 5 Date 6/3/94

Company McCOY PETROLEUM CORPORATION Zone ST LOUIS

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 2961

Co. Rep./Geo. JOHN HASTINGS Cont. SWEETMAN DRLG RIG #1 Est. Ft. of Pay

Location: Sec. 33 Twp. 22S Rge. 34W Co. FINNEY State KS

Interval Tested 4602-4722

Anchor Length 120

Top Packer Depth 4597

Bottom Packer Depth 4602

Total Depth 4722

Drill Pipe Size 4.5" XH

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

Drill Collar – 2.25 Ft. Run 275

Mud Wt. 8.9 lb/Gal.

Viscosity 51 Filtrate 9.6

Tool Open @ 12:48 PM Initial Blow TOOL SLID 2 FT - 1" BLOW DECREASED TO 3/4"

Final Blow NO RETURN BLOW

Recovery - Total Feet 100 Flush Tool? NO

Rec. 100 Feet of VERY SLIGHTLY OIL CUT MUD - 1% OIL/ 99% 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 5000 ppm System

(A) Initial Hydrostatic Mud 2223.4 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 89.4 PSI @ (depth) 4634 w / Clock No. 19960

(C) First Final Flow Pressure 84.2 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 212.1 PSI @ (depth) 4651 w / Clock No. 22992

(E) Second Initial Flow Pressure 94.6 PSI AK1 Recorder No. Range

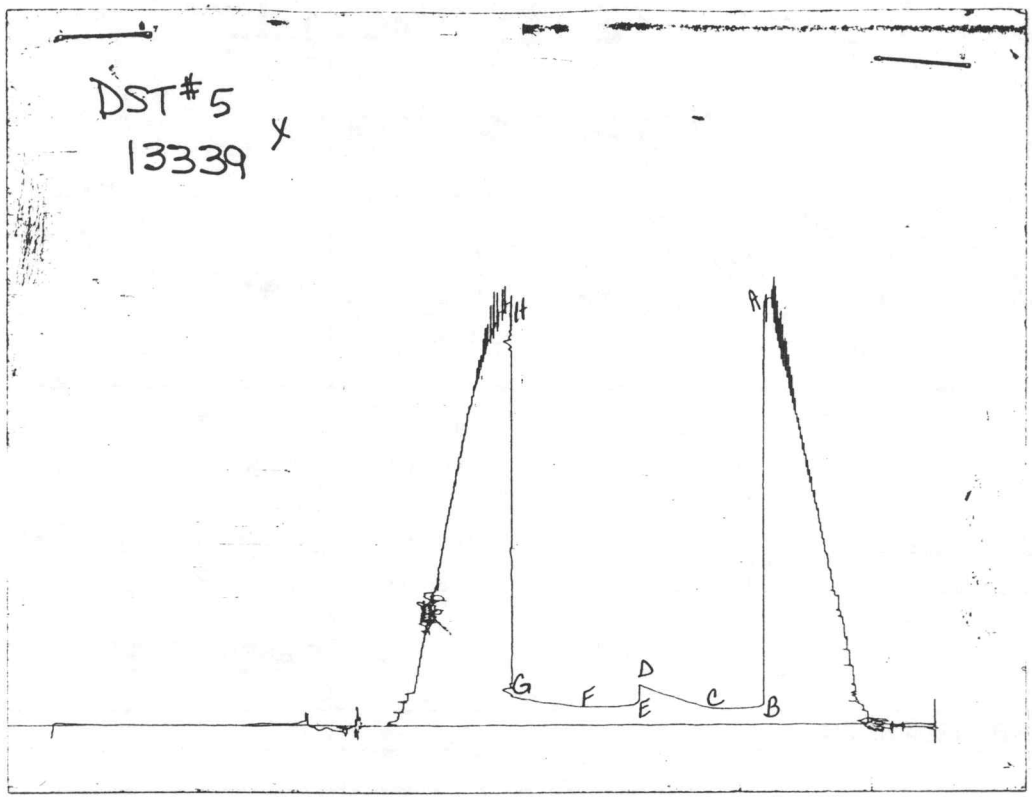
(F) Second Final Flow Pressure 94.6 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 147.6 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2203.3 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart #13339

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2203	2223.4
(B) FIRST INITIAL FLOW PRESSURE	72	89.4
(C) FIRST FINAL FLOW PRESSURE	72	84.2
(D) INITIAL CLOSED-IN PRESSURE	197	212.1
(E) SECOND INITIAL FLOW PRESSURE	83	94.6
(F) SECOND FINAL FLOW PRESSURE	83	94.6
(G) FINAL CLOSED-IN PRESSURE	135	147.6
(H) FINAL HYDROSTATIC MUD	2183	2203.3

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name COOK "P" #1-33 Test No. 6 Date 6/4/94

Company McCOY PETROLEUM CORPORATION Zone ST LOUIS

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 2961

Co. Rep./Geo. JOHN HASTINGS Cont. SWEETMAN DRLG RIG #1 Est. Ft. of Pay

Location: Sec. 33 Twp. 22S Rge. 34W Co. FINNEY State KS

Interval Tested 4722-4744

Anchor Length 20

Top Packer Depth 4717

Bottom Packer Depth 4722

Total Depth 4744

Drill Pipe Size 4.5" XH

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

Drill Collar – 2.25 Ft. Run 275

Mud Wt. 8.9 lb/Gal.

Viscosity 47 Filtrate 10.4

Tool Open @ 3:50 AM Initial Blow STRONG BLOW OFF BOTTOM IN 6 MINUTES

ISI: BLED OFF BLOW- SURFACE RETURN BUILT TO BOTTOM IN 11 MINUTES

Final Blow FAIR TO STRONG RETURN BUILT TO BOTTOM IN 6 MINUTES

FSI: BLED OFF BLOW - SURFACE RETURN BUILT TO BOTTOM IN 10 MINUTES

Recovery - Total Feet 795 Flush Tool? NO

Rec. 2630 Feet of GAS IN PIPE ABOVE FLUID

Rec. 565 Feet of CLEAN GASSY OIL- 35% GAS/ 65% OIL

Rec. 230 Feet of GASSY OIL CUT MUD - 45% GAS/ 10% OIL / 45% MUD

Rec. Feet of

Rec. Feet of

BHT 120 °F Gravity 31 °API @ 78 °F Corrected Gravity 29.2 °API

RW @ °F Chlorides ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2323.6 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 106.1 PSI @ (depth) 4734 w / Clock No. 22992

(C) First Final Flow Pressure 135.1 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 729.4 PSI @ (depth) 4739 w / Clock No. 19960

(E) Second Initial Flow Pressure 209.9 PSI AK1 Recorder No. Range

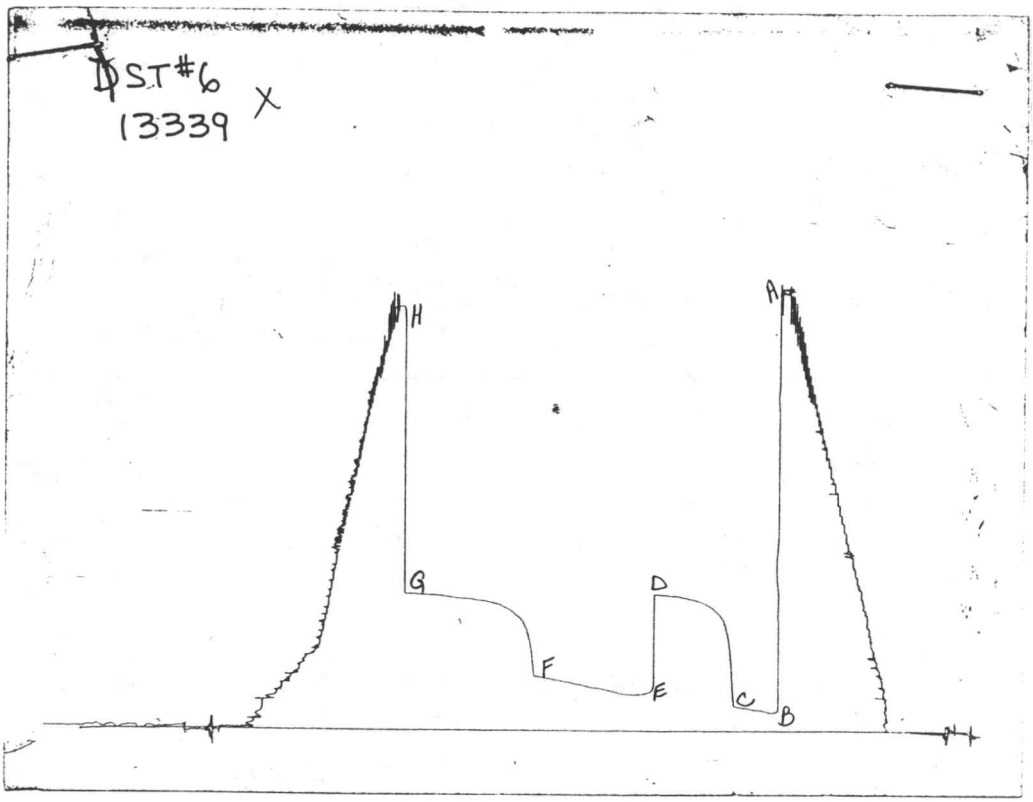
(F) Second Final Flow Pressure 291.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 724.4 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 2215.3 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart #13339

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2303	2323.6
(B) FIRST INITIAL FLOW PRESSURE	93	106.1
(C) FIRST FINAL FLOW PRESSURE	124	135.1
(D) INITIAL CLOSED-IN PRESSURE	719	729.4
(E) SECOND INITIAL FLOW PRESSURE	187	209.9
(F) SECOND FINAL FLOW PRESSURE	280	291.1
(G) FINAL CLOSED-IN PRESSURE	719	724.4
(H) FINAL HYDROSTATIC MUD	2203	2215.3

CALCULATED RECOVERY ANALYSIS

DST 6 TICKET # 7010

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL 1	520	35	182	65	338	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
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	45	35	15.75	65	29.25	0	0	0	0
COLLAR 2	230	45	103.5	10	23	0	0	45	103.5
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	795		301.25		390.25		0		103.5

			HRS OPEN	BBL/DAY
BBL OIL=	5.0618625	*	1.5	80.9898
BBL WATER=	0	*		0
BBL MUD=	0.506115			
BBL GAS =	3.1711725