TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name QUIGG "A" 1-33 Test No. 1 Date 9/29/94

Company McCOY PETROLEUM CORPORATION Zone MORROW

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 3192

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

Location: Sec. 33 Twp. 32S Rge. 38W Co. STEVENS State KS

Interval Tested 6083-6101

Anchor Length 18

Top Packer Depth 6078

Bottom Packer Depth 6083-6101

Total Depth 6200

Drill Pipe Size 4.5" XH

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

Drill Collar – 2.25 Ft. Run 273

Mud Wt. 8.9 lb/Gal.

Viscosity 60 Filtrate 8.2

Tool Open @ 6:20 Initial Blow STRONG BLOW GAS TO SURFACE IN 4 MIN

Final Blow GAS TO SURFACE AS TOOL OPENED

Recovery - Total Feet 1560 Flush Tool? NO

Rec. 1560 Feet of SLIGHT GAS CUT SALT WATER 5%GAS/95%WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

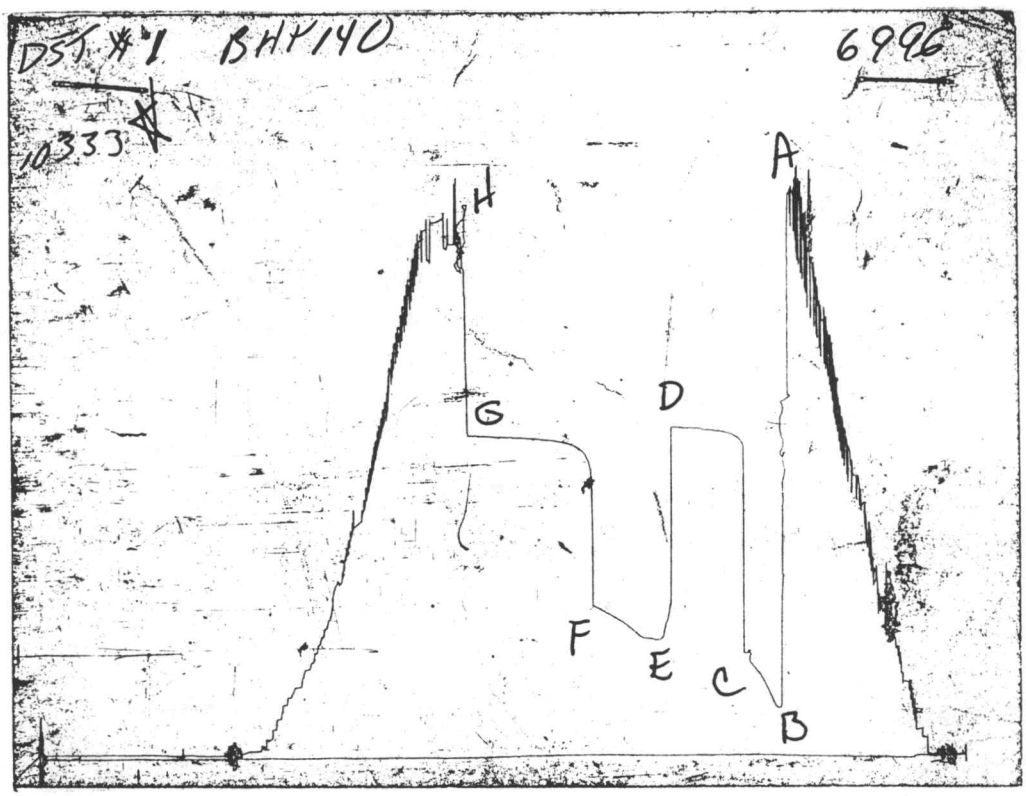
BHT 140 °F Gravity °API @ °F Corrected Gravity °API

RW 0.44 @ 68 °F Chlorides 130000 ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud	3014.0 PSI	AK1 Recorder No. 10333	Range 4050
(B) First Initial Flow Pressure	287.7 PSI	@ (depth) 6086	w / Clock No. 26191
(C) First Final Flow Pressure	534.4 PSI	AK1 Recorder No. 13255	Range 6300
(D) Initial Shut-in Pressure	1743.7 PSI	@ (depth) 6098	w / Clock No. 8698
(E) Second Initial Flow Pressure	630.8 PSI	AK1 Recorder No. 13251	Range 4550
(F) Second Final Flow Pressure	789.2 PSI	@ (depth) 6197	w / Clock No. 26192
(G) Final Shut-in Pressure	1718.8 PSI	Initial Opening 30	Final Flow 60
(H) Final Hydrostatic Mud	2822.3 PSI	Initial Shut-in 60	Final Shut-in 225

Our Representative ROBERT COLLINS

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	3018	3014
(B) FIRST INITIAL FLOW PRESSURE	243	287.7
(C) FIRST FINAL FLOW PRESSURE	538	534.4
(D) INITIAL CLOSED-IN PRESSURE	1744	1743.7
(E) SECOND INITIAL FLOW PRESSURE	619	630.8
(F) SECOND FINAL FLOW PRESSURE	782	789.2
(G) FINAL CLOSED-IN PRESSURE	1703	1718.8
(H) FINAL HYDROSTATIC MUD	2936	2822.3

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Drill-Stem Test Data

Well Name QUIGG "A" 1-33 Test No. 2 Date 9/30/94

Company McCOY PETROLEUM CORPORATION Zone MORROW

Address 3017 N. CYPRESS WICHITA KS 67226-4003 Elevation 3192

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

Location: Sec. 33 Twp. 32S Rge. 38W Co. STEVENS State KS

Interval Tested 6082-6090 Drill Pipe Size 4.5" XH

Anchor Length 8 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3078 Drill Collar – 2.25 Ft. Run 273

Bottom Packer Depth 6082-6090 Mud Wt. 9.0 lb/Gal.

Total Depth 6203 Viscosity 59 Filtrate

Tool Open @ 4:40 P.M. Initial Blow STRONG BLOW-GAS TO SURFACE IN 10 MIN

Final Blow GAS TO SURFACE AS TOOL OPENED

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of GAS CUT WATERY MUD 20%GAS/20%WATER/60%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

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

RW 0.2 @ 75 °F Chlorides 65000 ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 2959.0 PSI AK1 Recorder No. 13255 Range 6300

(B) First Initial Flow Pressure 196.9 PSI @ (depth) 6079 w / Clock No. 8698

(C) First Final Flow Pressure 206.2 PSI AK1 Recorder No. 1055 Range 4050

(D) Initial Shut-in Pressure 1700.0 PSI @ (depth) 6200 w / Clock No. 26191

(E) Second Initial Flow Pressure 236.9 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 240.0 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1700.0 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2940.2 PSI Initial Shut-in 60 Final Shut-in 90

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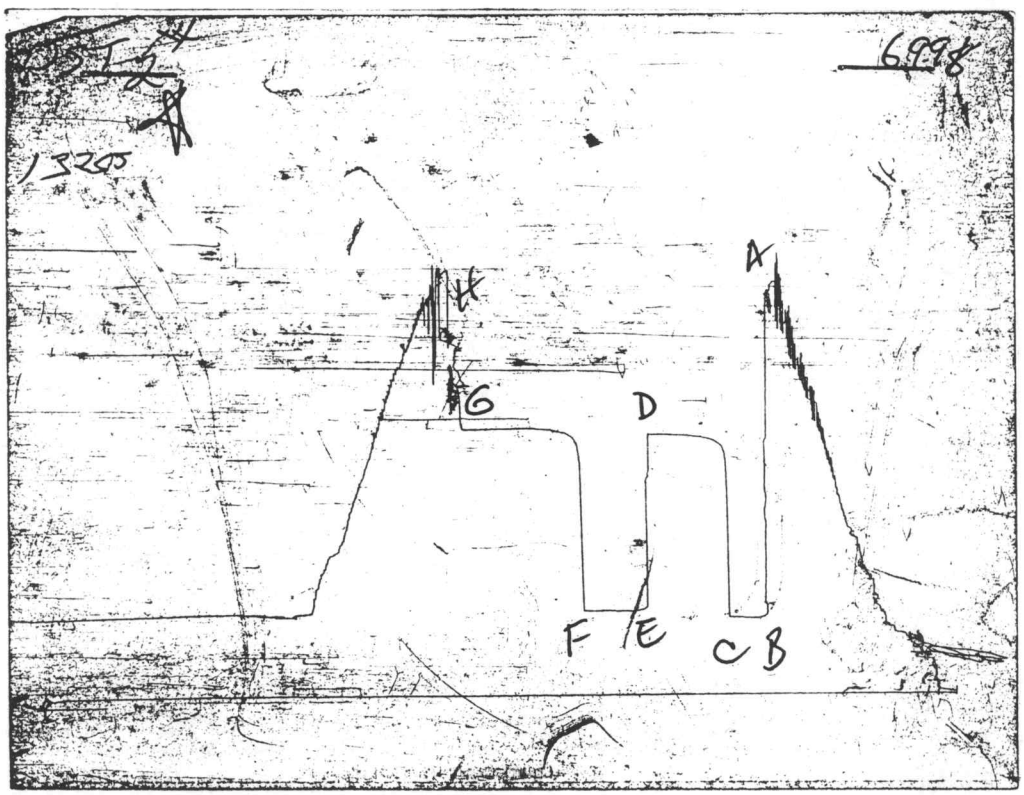

		FIELD READING	OFFICE READING
(A)	INITIAL HYDROSTATIC MUD	2662	2959
(B)	FIRST INITIAL FLOW PRESSURE	443	196.9
(C)	FIRST FINAL FLOW PRESSURE	443	206.2
(D)	INITIAL CLOSED-IN PRESSURE	1557	1700
(E)	SECOND INITIAL FLOW PRESSURE	502	236.9
(F)	SECOND FINAL FLOW PRESSURE	502	240
(G)	FINAL CLOSED-IN PRESSURE	1580	1700
(H)	FINAL HYDROSTATIC MUD	2534	2940.2

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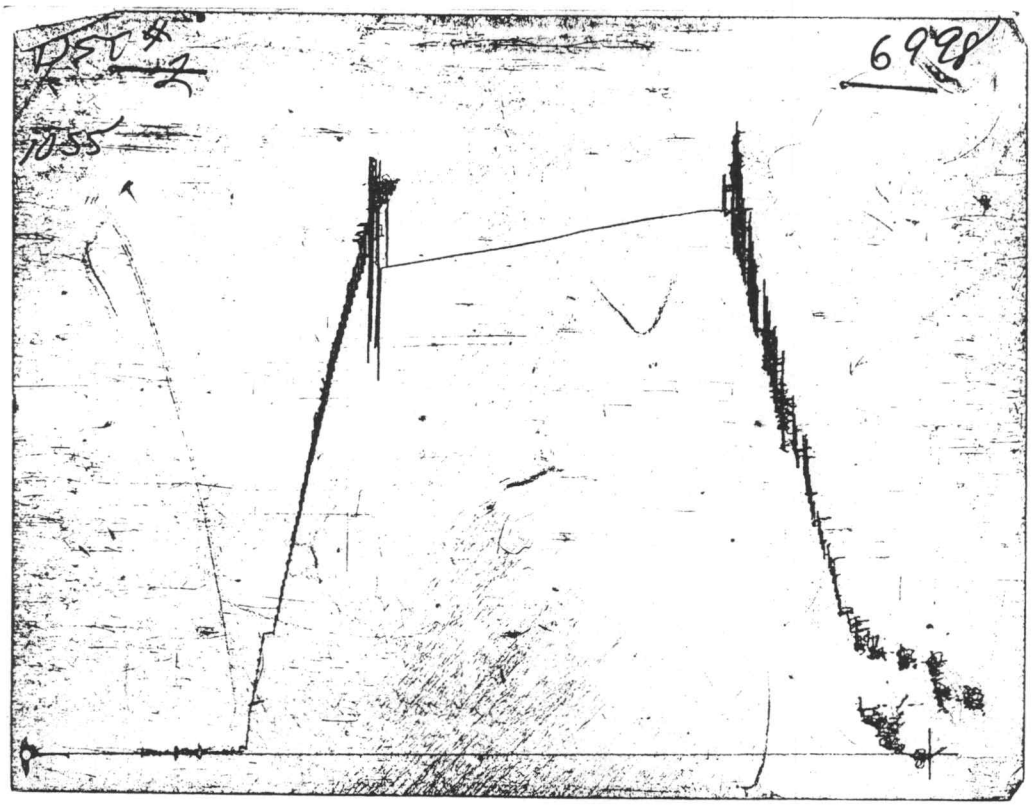

	FIELD READING	OFFICE READING

(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

GAS VOLUME REPORT

McCOY PETROLEUM CORPORATION

QUIGG "A" 1-33 DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
15	8.5	0.5	105	10	8.5	1	429
20	16	0.5	153	20	11	1	499
25	23	0.5	193	30	13	1	552
30	30	0.5	231	40	13	1	552
				50	15	1	306
				60	16	1	327

Remarks: GAS TO SURFACE IN 10 MIN

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	940509	Analyzed:	10/01/94
Sample From:	Quigg "A" 1-33 DST 2	Pressure:	
Producer:	McCoy Petroleum	Temperature:	
Date:		Location:	31-32S-38W
Time:		County:	Stevens
Sampler:		State:	Kansas
Source:		Formation:	

		Mole %	GPM
Helium	He:		0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	3.439	0.000
Carbon Dioxide	CO2:	0.259	0.000
Methane	C1:	87.877	0.000
Ethane	C2:	4.424	1.183
Propane	C3:	2.187	0.603
Iso Butane	iC4:	0.303	0.099
Normal Butane	nC4:	0.697	0.220
Iso Pentane	iC5:	0.191	0.070
Normal Pentane	nC5:	0.227	0.082
Hexanes Plus	C6+:	0.396	0.173
	TOTAL:	100.000	2.430
	Z Fact:	0.9975	
	SP.GR.:	0.6480	
	BTU (SAT):	1076.7 @ 14.73 psia	
	BTU (DRY):	1095.7 @ 14.73 psia	
	OCTANE RATING:	122.2	

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis

Caraway Analytical, 01-Oct-94