

12-31-43w

Charger Production Co.

KU ENDOWMENT DRILLSTEM TESTS

AP2 # 15-129-21138

KU Endowment "A" #1

DST #1: 2843'-2875'. 30"-60"-30"-60".
Recovered: 1200' of gas in pipe, 90' of GCM & 270'
water. HP 1297#-1260#, IFP 41#-109#, FFP 136#-
176#, ISIP 468#, FSIP 468#, BHT 92°.

DST #2: 3690'-3703'. 60"-60"-60"-60".
Recovered: 1080' MSW (20% mud & 80% sw). HP
1768#-1660#, IFP 42#-256#, FFP 288#-363#, ISIP
672#, FSIP 672#, BHT 100°.

JAN 2 5

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DST #3: 5028'-5068'. Frmn: Keyes Sandstone.
30"-60"-60"-90". First open: Strong blow off
bottom in 7". Second open: GTS 15", 20" 6.5 mcf,
30" 8.2 mcf, 40" 9.5 mcf, 50" 10.4 mcf, 60" 11.2
mcf. IFP 29#-37#, ISIP 300#, FFP 48#-60#, FSIP
994#, IHP 2326#, FSIP 2289#. Recovered 60'
GCM. BHT 112°.

DST #4: 5066'-5082'. Frmn: Keyes Sandstone.
Misrun. Slid 15' to bottom.

DST #5: 5066'-5082'. Frmn: Keyes Sandstone.
60"-60"-60"-90". First open: Strong blow off
bottom in 4". Second open GTS 2", 10" 29.8 mcf,
20" 36.5 mcf, 30" 39.6 mcf, 40" 43.4 mcf, 50"
46.1 mcf, 60" 47.8 mcf. Recovered: 90' GCM. IFP
30#-60#, FFP 60#-72#, IHP 2413#, ISIP 795#, FSIP
1029#, FHP 2377#. BHT 112°.

DST #6: 5083'-5112' Frmn: Keyes Sandstone.
60"-60"-60"-90". First open GTS in 13", 20" 65.2
mcf, 30" 72.4 mcf, 40" 84.3 mcf, 50" 94.1 mcf,
60" 100 mcf. Second open: GTS in 10" 146 mcf,
20" 137 mcf, 30" 141 mcf, 40" 146 mcf, 50" 151
mcf, 60" 155 mcf. Recovered 120' GCM. IFP 48#-
72#, FFP 72#-85#, IHP 2431#, ISIP 1017#, FSIP
1053#, FHP 2384#.

RELEASED

FEB 1 4 1995

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
JAN 2 5 1993
CONSULTATION DIVISION
WICHITA, KANSAS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name K.U. ENDOWMENT A#1 Test No. 1 Date 10/3/92
Company CHARTER PRODUCTION COMPANY Zone _____
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 3572
Co. Rep./Geo. CHUCK SCHMALTZ Cont. ZENITH DRLG RIG #1 Est. Ft. of Pay _____
Location: Sec. 12 Twp. 31S Rge. 43W Co. MORTON State KS

Interval Tested <u>2843-2875</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>32</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>2838</u>	Drill Collar - 2.25 Ft. Run <u>587</u>
Bottom Packer Depth <u>2843</u>	Mud Wt. <u>8.7</u> lb/Gal.
Total Depth <u>2875</u>	Viscosity <u>35</u> Filtrate <u>15.2</u>

Tool Open @ 1:55 PM Initial Blow STRONG BLOW-BUILT TO BOTTOM IN 1 MINUTE
ISI: BLED OFF BLOW-WEAK BLOW BUILT TO 1.5"
Final Blow 1.5" BUILT TO BOTTOM OF BUCKET IN 4 MINUTES
FSI: BLED OFF BLOW-WEAK BLOW BUILT TO 2"

Recovery - Total Feet 360 Flush Tool? NO

Rec. <u>1200</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>90</u>	Feet of <u>GASSY DRILLING MUD</u>
Rec. <u>270</u>	Feet of <u>SALT WATER</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____

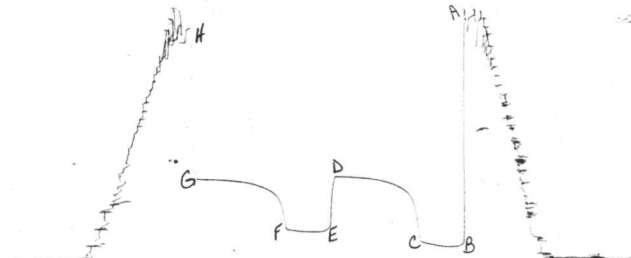
BHT 92 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.4 @ 74 °F Chlorides 17000 ppm Recovery Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud <u>1302.5</u> PSI	AK1 Recorder No. <u>13277</u> Range <u>4125</u>
(B) First Initial Flow Pressure <u>44.7</u> PSI	@ (depth) <u>2846</u> w / Clock No. <u>27594</u>
(C) First Final Flow Pressure <u>111.6</u> PSI	AK1 Recorder No. <u>11038</u> Range <u>5075</u>
(D) Initial Shut-in Pressure <u>470.2</u> PSI	@ (depth) <u>2866</u> w / Clock No. <u>30418</u>
(E) Second Initial Flow Pressure <u>141.2</u> PSI	AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure <u>181.3</u> PSI	@ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure <u>469.1</u> PSI	Initial Opening <u>30</u> Final Flow <u>30</u>
(H) Final Hydrostatic Mud <u>1259.8</u> PSI	Initial Shut-in <u>60</u> Final Shut-in <u>60</u>

Our Representative TOM HORACEK

CHART PAGE

DS 12 /
13277



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1297	1302.5
(B) FIRST INITIAL FLOW PRESSURE	41	44.7
(C) FIRST FINAL FLOW PRESSURE	109	111.6
(D) INITIAL CLOSED-IN PRESSURE	468	470.2
(E) SECOND INITIAL FLOW PRESSURE	136	141.2
(F) SECOND FINAL FLOW PRESSURE	176	181.3
(G) FINAL CLOSED-IN PRESSURE	468	469.1
(H) FINAL HYDROSTATIC MUD	1260	1259.8

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name K.U. ENDOWMENT A#1 Test No. 2 Date 10/5/92
Company CHARTER PRODUCTION COMPANY Zone LANSING
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 3572
Co. Rep./Geo. CHUCK SCHMALTZ Cont. ZENITH DRLG RIG #1 Est. Ft. of Pay _____
Location: Sec. 12 Twp. 31S Rge. 43W Co. MORTON State KS

Interval Tested 3690-3703
Anchor Length 13
Top Packer Depth 3685
Bottom Packer Depth 3690
Total Depth 3703

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 600
Mud Wt. 9 lb/Gal.
Viscosity 33 Filtrate 17.6

Tool Open @ 10:15 PM Initial Blow STRONG 12" BLOW IN 15 MINUTES

Final Blow STRONG 12" BLOW IN 45 MINUTES

Recovery - Total Feet 1080 Flush Tool? NO

Rec. 630 Feet of MUDDY WATER-75%WTR/25%MUD
Rec. 450 Feet of MUDDY WATER-90%WTR/10%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 100 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.26 @ 72 °F Chlorides 25000 ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 1770.3 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 45.8 PSI @ (depth) 3694 w / Clock No. 26191

(C) First Final Flow Pressure 261.3 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 670.9 PSI @ (depth) 3700 w / Clock No. 17658

(E) Second Initial Flow Pressure 290.4 PSI AK1 Recorder No. _____ Range _____

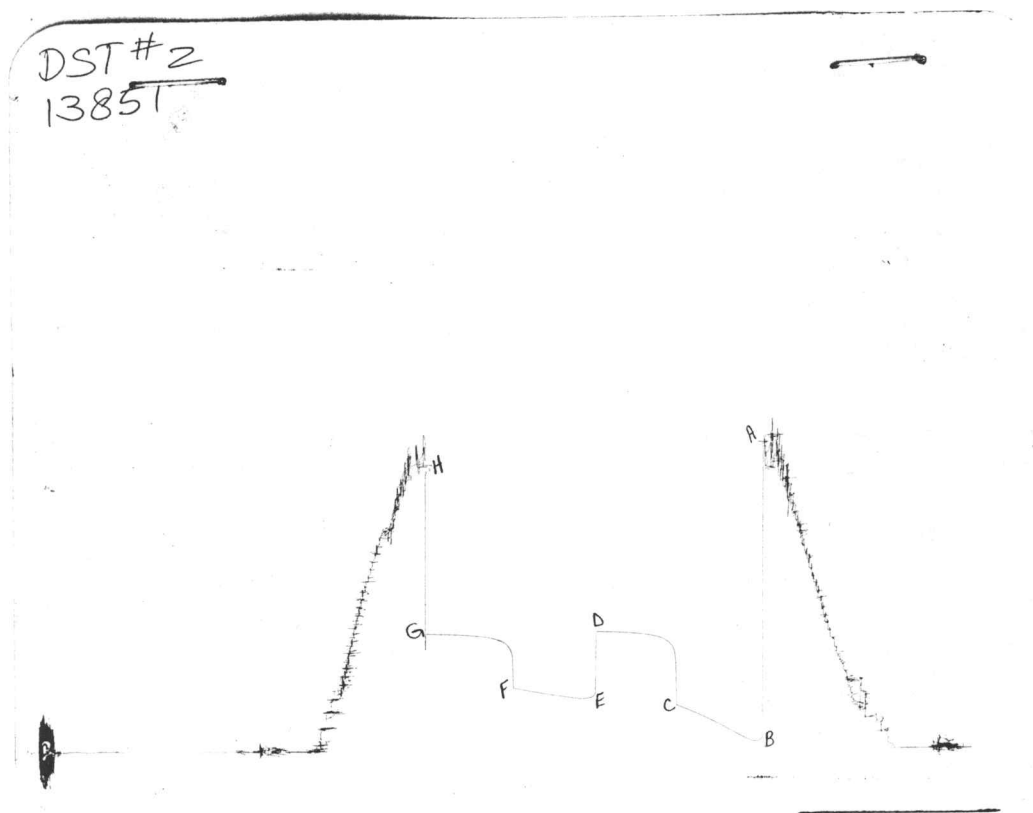
(F) Second Final Flow Pressure 365.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 670.9 PSI Initial Opening 60 Final Flow 60

(H) Final Hydrostatic Mud 1664.7 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative STEVE BOWMAN

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1768	1770.3
(B) FIRST INITIAL FLOW PRESSURE	42	45.8
(C) FIRST FINAL FLOW PRESSURE	256	261.3
(D) INITIAL CLOSED-IN PRESSURE	672	670.9
(E) SECOND INITIAL FLOW PRESSURE	288	290.4
(F) SECOND FINAL FLOW PRESSURE	363	365.8
(G) FINAL CLOSED-IN PRESSURE	672	670.9
(H) FINAL HYDROSTATIC MUD	1660	1664.7

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name K.U. ENDOWMENT A #1 Test No. 3 Date 10/9/92
Company CHARTER PRODUCTION COMPANY Zone MORROW
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 3573
Co. Rep./Geo. CHUCK SCHMALTZ Cont. ZENITH RIG #1 Est. Ft. of Pay 10
Location: Sec. 12 Twp. 31S Rge. 43W Co. MORTON State KS

Interval Tested 5028-5068
Anchor Length 37
Top Packer Depth 5023
Bottom Packer Depth 5028
Total Depth 5068

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run 591
Drill Collar - 2.25 Ft. Run 9 lb/Gal.
Mud Wt. 50 Viscosity 8.8 Filtrate

Tool Open @ 3:52 PM Initial Blow OFF BOTTOM IN 7 MINUTES - GOOD BLOW

Final Blow OFF BOTTOM IN 1 SECOND-STRONG BLOW/GAS TO SURFACE 15 MINUTES
43" OF WATER ON 1/4" ORIFICE-11.25 MCF/DAY

Recovery - Total Feet 60 Flush Tool? NO

Rec. 4968 Feet of GAS IN PIPE
Rec. 60 Feet of GASSY MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2326.9 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 41.2 PSI @ (depth) 5030 w / Clock No. 19960

(C) First Final Flow Pressure 41.2 PSI AK1 Recorder No. 13308 Range 4700

(D) Initial Shut-in Pressure 306.9 PSI @ (depth) 5060 w / Clock No. 7452

(E) Second Initial Flow Pressure 50.8 PSI AK1 Recorder No. _____ Range _____

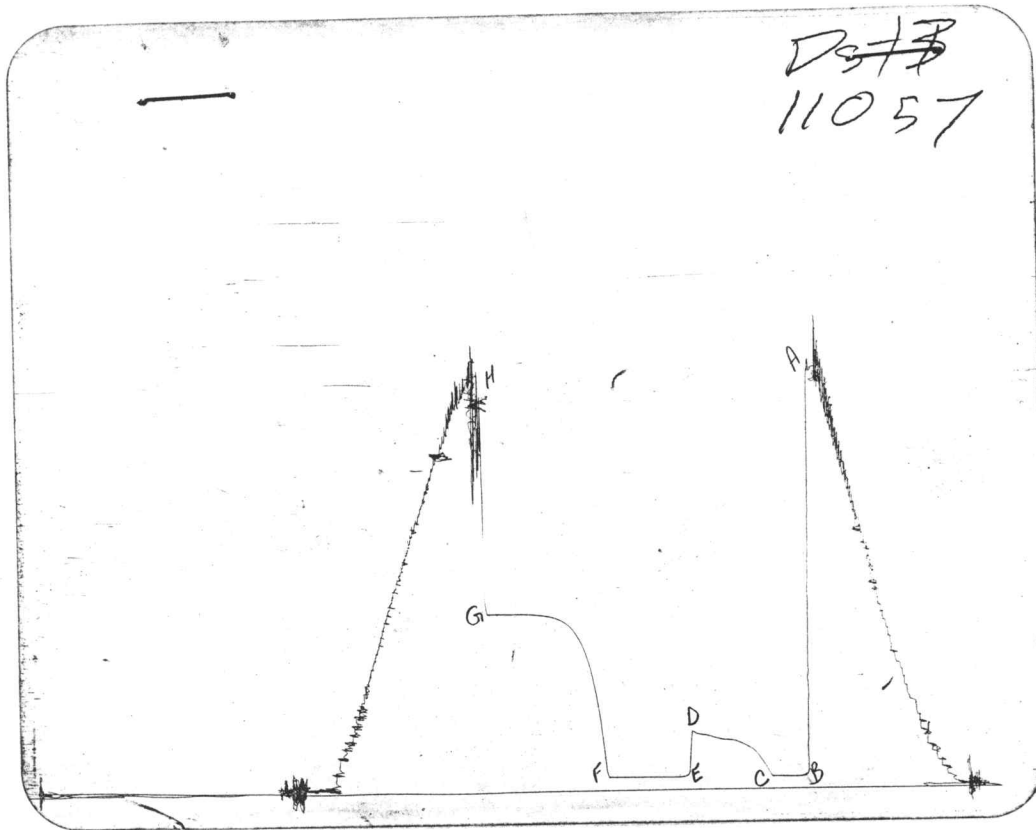
(F) Second Final Flow Pressure 62.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 943.7 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2280.9 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2326	2326.9
(B) FIRST INITIAL FLOW PRESSURE	39	41.2
(C) FIRST FINAL FLOW PRESSURE	39	41.2
(D) INITIAL CLOSED-IN PRESSURE	300	306.9
(E) SECOND INITIAL FLOW PRESSURE	48	50.8
(F) SECOND FINAL FLOW PRESSURE	60	62.3
(G) FINAL CLOSED-IN PRESSURE	944	943.7
(H) FINAL HYDROSTATIC MUD	2282	2280.9

GAS VOLUME REPORT

CHARTER PRODUCTION COMPANY

K.U. ENDOWMENT A #1

DST # 3

MIN	PSIG	ORIFICE	MCF/D
NO GAS TO SURFACE			

MIN	PSIG	ORIFICE	MCF/D
20	30	0.25	6.55
25	15	0.25	7.51
30	20	0.25	8.22
35	24	0.25	9.09
40	29	0.25	9.5
45	32	0.25	9.89
50	38	0.25	10.4
55	41	0.25	10.75
60	43	0.25	11.25

Remarks: GAS TO SURFACE IN 15 MINUTES 2nd OPENING

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name K.U. ENDOWMENT A #1 Test No. 4 Date 10/10/92
Company CHARTER PRODUCTION COMPANY Zone MORROW
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 3573
Co. Rep./Geo. CHUCK SCHMALTZ Cont. ZENITH RIG #1 Est. Ft. of Pay _____
Location: Sec. 12 Twp. 31S Rge. 43W Co. MORTON State KS

Interval Tested <u>5066-5082</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>16</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>5061</u>	Drill Collar - 2.25 Ft. Run <u>591</u>
Bottom Packer Depth <u>5066</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>5082</u>	Viscosity <u>52</u> Filtrate <u>8.8</u>

Tool Open @ 7:59 AM Initial Blow SLID TOOL 15ft - STOPPED 4ft OFF BOTTOM
SURFACE BLOW 4 MINUTES - NO BLOW
Final Blow NO BLOW

Recovery - Total Feet 90 Flush Tool? NO

Rec. <u>90</u>	Feet of <u>MUD-PLUGGED OFF</u>
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 1000 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure _____ PSI @ (depth) 5068 w / Clock No. 19960

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 13308 Range 4700

(D) Initial Shut-in Pressure _____ PSI @ (depth) 5077 w / Clock No. 7452

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

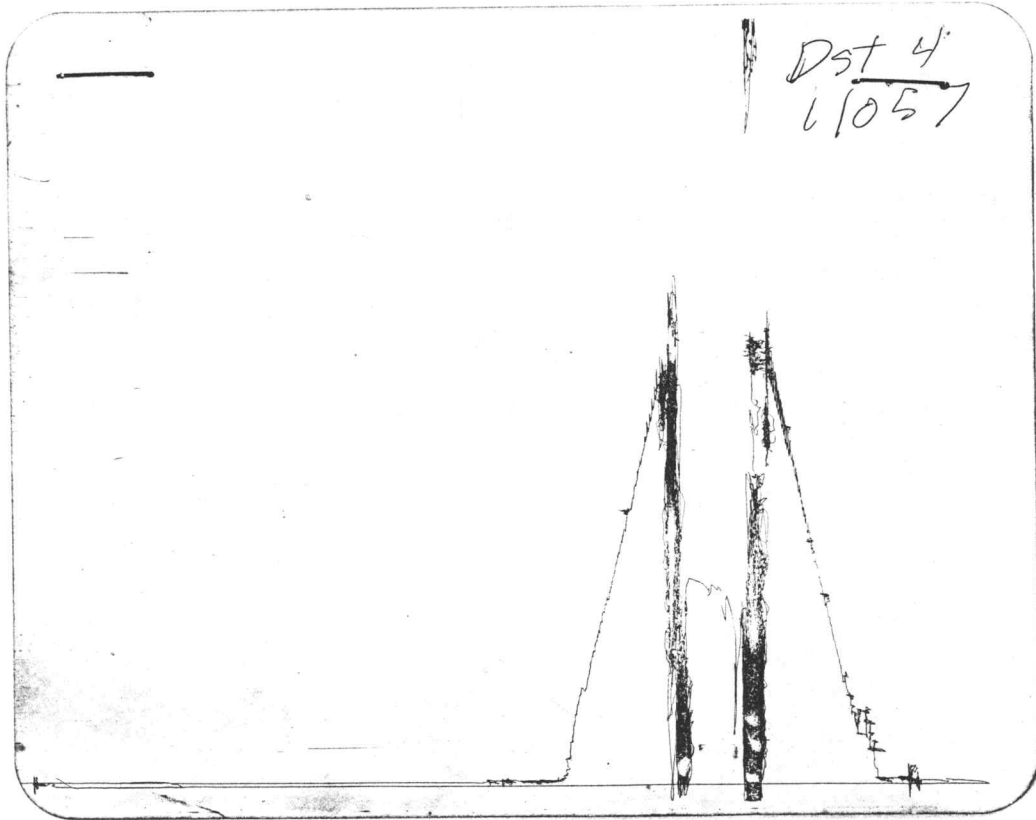
(F) Second Final Flow Pressure _____ PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure _____ PSI Initial Opening 15 Final Flow 5

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

Our Representative MARK HERSKOWITZ

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

Drill-Stem Test Data

Well Name K.U. ENDOWMENT A #1 Test No. 5 Date 10/10/92
Company CHARTER PRODUCTION COMPANY Zone MORROW
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 3573
Co. Rep./Geo. CHUCK SCHMALTZ Cont. ZENITH RIG #1 Est. Ft. of Pay 6
Location: Sec. 12 Twp. 31S Rge. 43W Co. MORTON State KS

Interval Tested 5066-5082 Drill Pipe Size 4.5" XH
Anchor Length 16 Wt. Pipe I.D. - 2.7 Ft. Run 591
Top Packer Depth 5061 Drill Collar - 2.25 Ft. Run 8.9
Bottom Packer Depth 5066 Mud Wt. 65 lb/Gal. 8
Total Depth 5082 Viscosity 65 Filtrate 8

Tool Open @ 12:07 Initial Blow GOOD BLOW OFF BOTTOM IN 4 MINUTES

Final Blow OFF BOTTOM IN 1 SECOND/GAS TO SURFACE ON OPEN/ 58" OF
WATER ON 1/2" ORIFICE = 47.8 MCF/DAY

Recovery - Total Feet 90 Flush Tool? NO

Rec. 4976 Feet of GAS IN PIPE
Rec. 90 Feet of MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2415.6 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 35.1 PSI @ (depth) 5068 w / Clock No. 19960

(C) First Final Flow Pressure 62.3 PSI AK1 Recorder No. 13308 Range 4700

(D) Initial Shut-in Pressure 799.5 PSI @ (depth) 5077 w / Clock No. 7452

(E) Second Initial Flow Pressure 62.3 PSI AK1 Recorder No. _____ Range _____

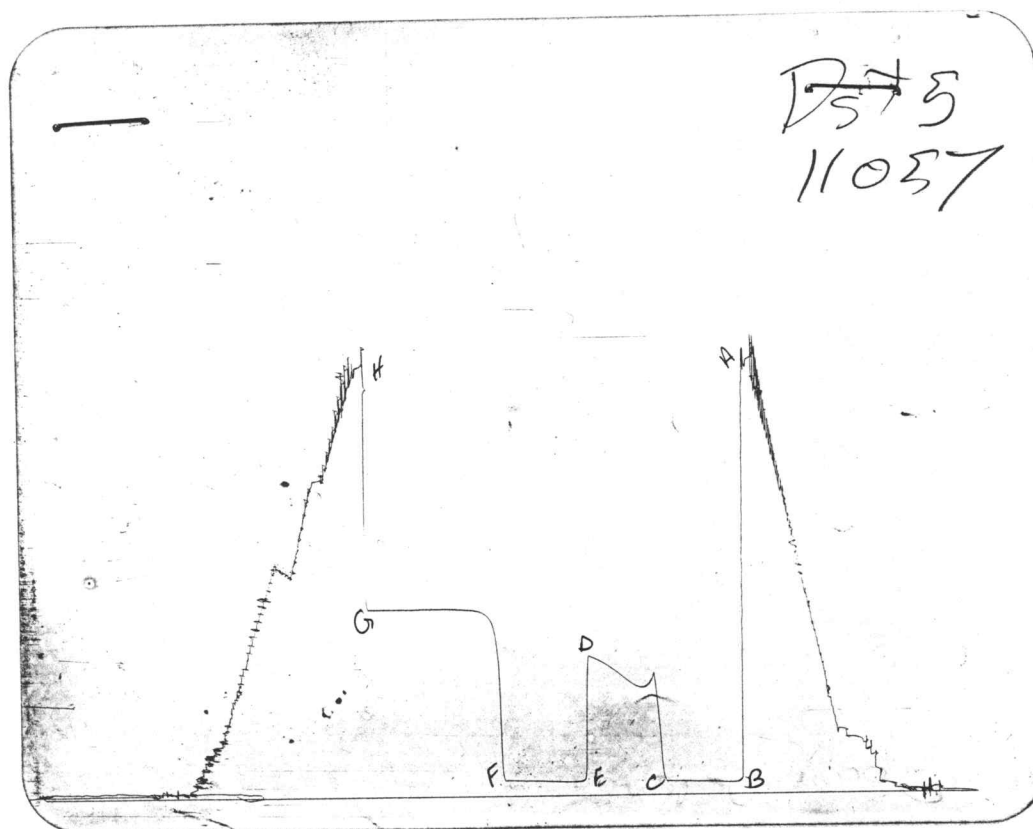
(F) Second Final Flow Pressure 70.6 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1031.4 PSI Initial Opening 60 Final Flow 60

(H) Final Hydrostatic Mud 2370.9 PSI Initial Shut-in 60 Final Shut-in 100

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2413	2415.6
(B) FIRST INITIAL FLOW PRESSURE	36	35.1
(C) FIRST FINAL FLOW PRESSURE	60	62.3
(D) INITIAL CLOSED-IN PRESSURE	795	799.5
(E) SECOND INITIAL FLOW PRESSURE	60	62.3
(F) SECOND FINAL FLOW PRESSURE	72	70.6
(G) FINAL CLOSED-IN PRESSURE	1029	1031.4
(H) FINAL HYDROSTATIC MUD	2377	2370.9

GAS VOLUME REPORT

CHARTER PRODUCTION COMPANY

K.U. ENDOWMENT A #1

DST # 5

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
NO GAS TO SURFACE				2	58	0.375	27.1
				5	62	0.375	28
				10	70	0.375	29.8
				15	32	0.5	35.5
				20	34	0.5	36.5
				25	36	0.5	37.5
				30	40	0.5	39.6
				35	44	0.5	41.6
				40	48	0.5	43.4
				45	52	0.5	45.2
				50	54	0.5	46.1
				55	56	0.5	46.9
				60	58	0.5	47.8

Remarks: GAS TO SURFACE ON TOOL OPEN SECOND TIME

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name K.U. ENDOWMENT A #1 Test No. 6 Date 10/11/92
Company CHARTER PRODUCTION COMPANY Zone MORROW
Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 3573
Co. Rep./Geo. CHUCK SCHMALTZ Cont. ZENITH RIG #1 Est. Ft. of Pay _____
Location: Sec. 12 Twp. 31S Rge. 43W Co. MORTON State KS

Interval Tested <u>5083-5112</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>29</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>5078</u>	Drill Collar - 2.25 Ft. Run <u>591</u>
Bottom Packer Depth <u>5083</u>	Mud Wt. _____ lb/Gal.
Total Depth <u>5112</u>	Viscosity <u>55</u> Filtrate <u>7.2</u>

Tool Open @ 9:30 PM Initial Blow OFF BOTTOM IN 15 SECONDS/ GAS TO SURFACE IN 13 MINUTES

Final Blow OFF BOTTOM IN 1 SECOND / 36" OF WATER ON 1" ORIFICE
= 155 MCF/DAY

Recovery - Total Feet 110 Flush Tool? NO

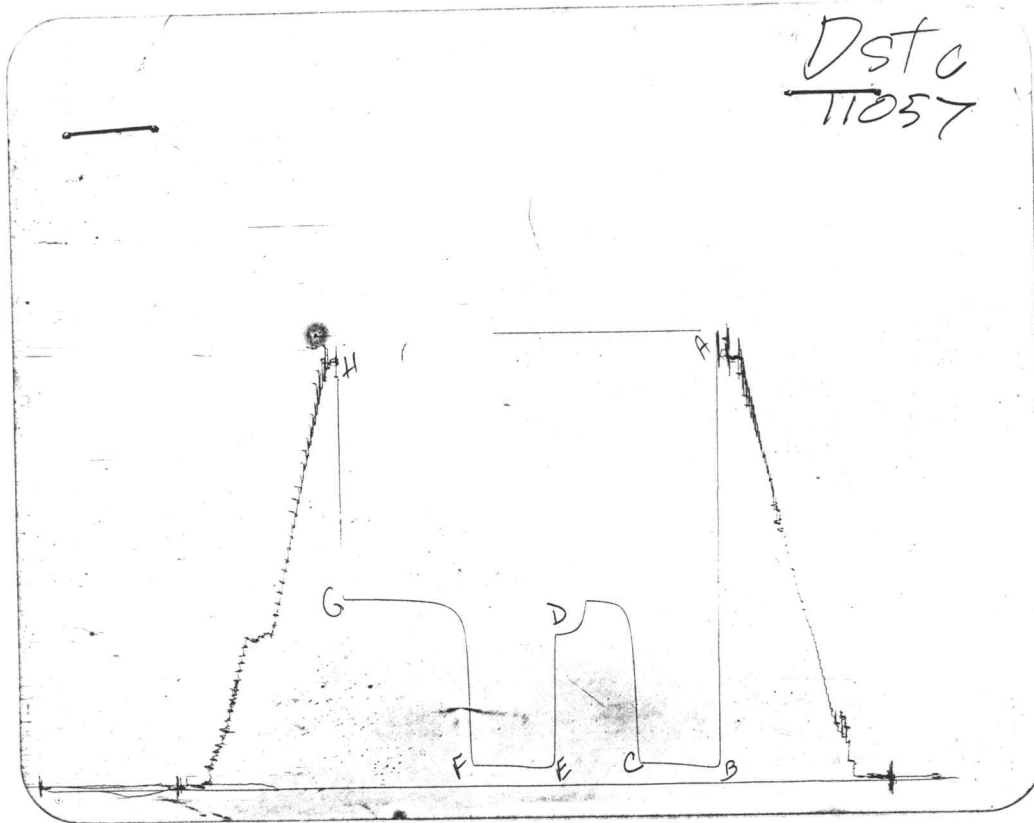
Rec. <u>4973</u>	Feet of <u>GAS IN PIPE</u>
Rec. <u>110</u>	Feet of <u>MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 123 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud <u>2440.9</u> PSI	AK1 Recorder No. <u>11057</u> Range <u>4500</u>
(B) First Initial Flow Pressure <u>50.8</u> PSI	@ (depth) <u>5086</u> w / Clock No. <u>1879</u>
(C) First Final Flow Pressure <u>70.6</u> PSI	AK1 Recorder No. <u>13308</u> Range <u>4700</u>
(D) Initial Shut-in Pressure <u>1020.3</u> PSI	@ (depth) <u>5107</u> w / Clock No. <u>7452</u>
(E) Second Initial Flow Pressure <u>70.6</u> PSI	AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure <u>88.6</u> PSI	@ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure <u>1050.6</u> PSI	Initial Opening <u>60</u> Final Flow <u>60</u>
(H) Final Hydrostatic Mud <u>2380.1</u> PSI	Initial Shut-in <u>60</u> Final Shut-in <u>90</u>

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2431	2440.9
(B) FIRST INITIAL FLOW PRESSURE	48	50.8
(C) FIRST FINAL FLOW PRESSURE	72	70.6
(D) INITIAL CLOSED-IN PRESSURE	1017	1020.3
(E) SECOND INITIAL FLOW PRESSURE	72	70.6
(F) SECOND FINAL FLOW PRESSURE	85	88.6
(G) FINAL CLOSED-IN PRESSURE	1053	1050.6
(H) FINAL HYDROSTATIC MUD	2384	2380.1

GAS VOLUME REPORT

CHARTER PRODUCTION COMPANY

K.U. ENDOWMENT A #1

DST # 6

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
13	18	0.75	60.2	2	44	1	171
15	20	0.75	63.5	5	38	1	159
20	21	0.75	65.2	10	32	1	146
25	23	0.75	67.5	15	28	1	137
30	26	0.75	72.4	20	28	1	137
35	30	0.75	77.8	25	30	1	141
40	35	0.75	84.3	30	30	1	141
45	40	0.75	89.8	35	32	1	146
50	44	0.75	94.1	40	32	1	146
55	48	0.75	94.4	45	33	1	148.5
60	50	0.75	100	50	34	1	151
				55	35	1	153
				60	36	1	155

Remarks: GAS TO SURFACE 13 MINUTES ON FIRST OPEN