

*****TIGHT HOLE*****
Drill Stem Test Information for ACO-1
Hugoton Energy Corporation
Homsher #2-33
Sec. 33-30S-33W, Haskell County, KS
API #15-081-20842

COPY

DST 1

Test Interval: 4114' - 4159'

Times: 30-60-45-90

First Open: Good blow off bottom in 5 minutes.

Second Open: Surface 6" in 10 min. - died to weak surface in 45 min.

Recovery 829' Gas in Pipe
140' Gassy Oil Cut Mud (2% gas, 5% oil, 93% mud)

Pressures IHP 1993
IFP 111-113
ISIP 750
FFP 154-789
FSIP 1849
FHP 1973

DST 2

Test Interval 4380' - 4418'

Times: 30-60-45-90

First Open: Strong - bottom of bucket when tool opened - GTS 12" into flow.

Second Open: Strong - bottom of bucket in 30 seconds.

Recovery 210' Gassy Watery Mud
1520' Saltwater

Pressures IHP 2128
IFP 217-412
ISIP 1098
FFP 510-720
FSIP 1133
FHP 2043

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DST 3

Test Interval 4556' - 4595'

Times: 30-60-40-110

First Open: Strong blow - bottom of bucket in 30 seconds, GTS in 2 min., oil to surface in 16 min.

Second Open: Bottom of bucket as tool opened.

Recovery: 120' Oil Cut Mud

Pressures IHP 2298
IFP 695-650
ISIP 1175
FFP 645-636
FSIP 1164
FHP 2106

DST 4

Test Interval 4617' - 4652'

Times: 30-60-60-90

First Open: Strong blow - bottom of bucket in 30 sec. GTS in 12".

Second Open: Bottom of bucket as tool opened.

Recovery: 1250' Clean Gassy Oil (40% gas, 60% oil)
120' Mud Cut Oil (60% oil, 40% mud)

Pressures IHP 2247
IFP 96-119
ISIP 933
FFP 223-284
FSIP 923
FHP 2230

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SEP 22 1994

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

*****TIGHT HOLE*****

Additional Information for ACO-1
Hugoton Energy Corporation
Homsher #2-33
Sec. 33-30S-33W
Haskell County, KS
API #15-081-20842

COPY

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample.
Name	Top	Datum
WABAUNSEE	3268	-323
HEEBNER	4034	-1089
LANSING A	4140	-1195
LANSING B	4170	-1225
KANSAS CITY A	4575	-1630
KANSAS CITY B	4642	-1697
MARMATON	4756	-1811
FT. SCOTT	4892	-1947
CHEROKEE SHALE	4921	-1976
MORROW SHALE	5190	-2245
ST. GEN.	5348	-2403
ST. LOUIS	5404	-2459

RELEASED

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KANSAS CORPORATION COMMISSION

SEP 22 1994

CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HOMSHER #2-33 Test No. 1 Date 6/1/94
Company HUGOTON ENERGY CORP Zone LANSING "A"
Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 2945
Co. Rep./Geo. JOHN CHRISTIANSEN Cont. ALLEN DRLG RIG #1 Est. Ft. of Pay 10
Location: Sec. 33 Twp. 30S Rge. 33W Co. HASKELL State KS

Interval Tested 4114-4159 Drill Pipe Size 4.5" XH
Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4109 Drill Collar - 2.25 Ft. Run 60
Bottom Packer Depth 4114 Mud Wt. 9.1 lb/Gal.
Total Depth 4159 Viscosity 45 Filtrate 9.6

Tool Open @ 2:40 PM Initial Blow GOOD BLOW OFF BOTTOM IN 5 MINUTES
NO BLOW ON SHUTIN
Final Blow SURFACE 6" IN 10 MINUTE-DIED TO WEAK SURFACE IN 45 MIN
PLUG OFF ON FINAL FLOW

Recovery - Total Feet 140 Flush Tool? NO

Rec. 829 Feet of GAS IN PIPE
Rec. 140 Feet of GASSY OIL CUT MUD- 2% GAS/ 5% OIL/ 93% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 98 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 1993.4 PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure 111.3 PSI @ (depth) 4116 w / Clock No. 25114

(C) First Final Flow Pressure 113.3 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 749.9 PSI @ (depth) 4154 w / Clock No. 26199

(E) Second Initial Flow Pressure 153.8 PSI AK1 Recorder No. _____ Range _____

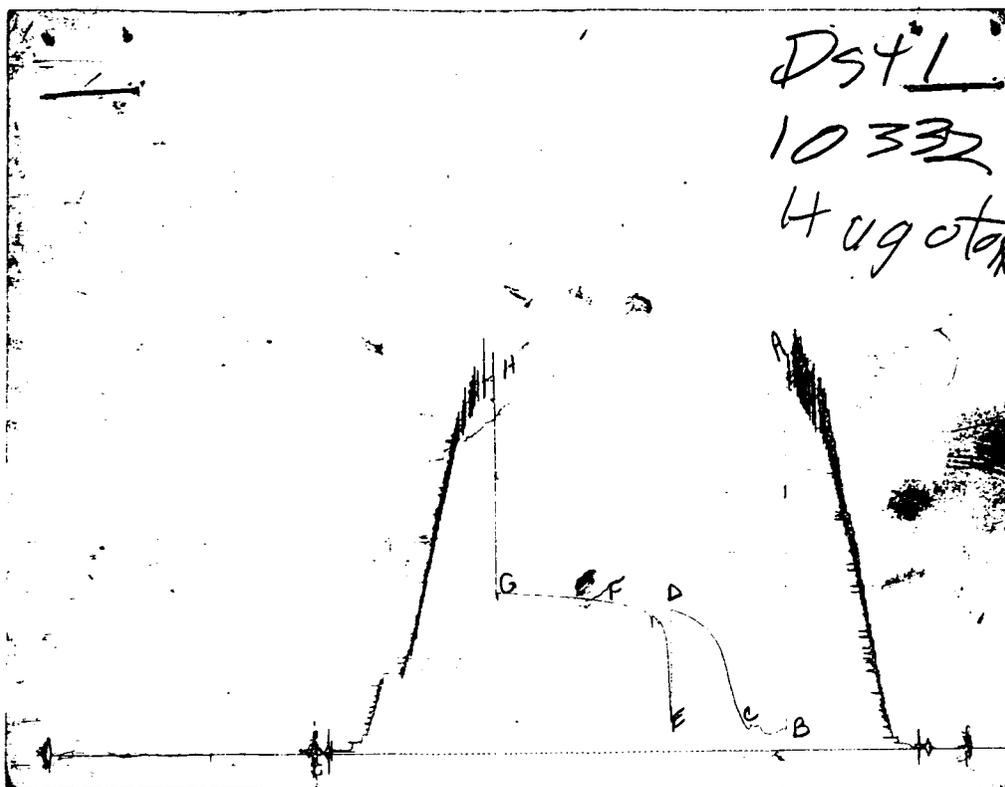
(F) Second Final Flow Pressure 789.6 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 849.5 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1973.2 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart #10332

	FIELD READING	OFFICE READING
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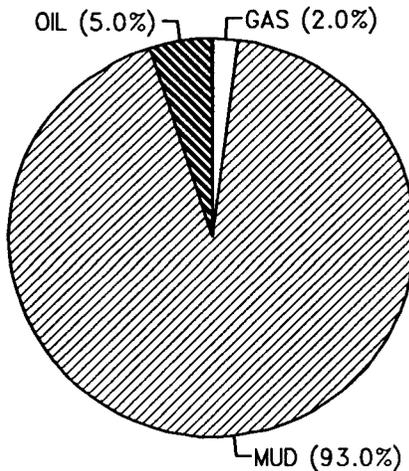
(A) INITIAL HYDROSTATIC MUD	1987	1993.4
(B) FIRST INITIAL FLOW PRESSURE	101	111.3
(C) FIRST FINAL FLOW PRESSURE	111	113.3
(D) INITIAL CLOSED-IN PRESSURE	750	749.9
(E) SECOND INITIAL FLOW PRESSURE	151	153.8
(F) SECOND FINAL FLOW PRESSURE	800	789.6
(G) FINAL CLOSED-IN PRESSURE	851	849.5
(H) FINAL HYDROSTATIC MUD	1967	1973.2

CALCULATED RECOVERY ANALYSIS

DST 1 TICKET # 6491

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	80	2	1.6	5	4	0	0	93	74.4
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	60	2	1.2	5	3	0	0	93	55.8
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	140		2.8		7		0		130.2

		HRS OPEN	BBL/DAY
BBL OIL=	0.07155 *	1.25	1.37376
BBL WATER=	0 *		0
BBL MUD=	1.33083		
BBL GAS =	0.02862		



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HOMSHER #2-33 Test No. 2 Date 6/2/94
Company HUGOTON ENERGY CORP Zone LANSING
Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 2945
Co. Rep./Geo. JOHN CHRISTIANSEN Cont. ALLEN DRLG RIG #1 Est. Ft. of Pay 8
Location: Sec. 33 Twp. 30S Rge. 33W Co. HASKELL State KS

Interval Tested 4380-4418 Drill Pipe Size 4.5" XH
Anchor Length 38 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4375 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4380 Mud Wt. 9.1 lb/Gal.
Total Depth 4418 Viscosity 43 Filtrate 8.8

Tool Open @ 7:05 PM Initial Blow STRONG-BOTTOM OF BUCKET WHEN TOOL OPENED
(TOOL SLID 5FT)-GAS TO SURFACE 12 MINUTES INTO FLOW-BLOW BACK
Final Blow STRONG- BOTTOM OF BUCKET IN 30 SECONDS
BLOW BACK BUILT TO 7"

Recovery - Total Feet 1730 Flush Tool? NO

Rec. 210 Feet of GASSY WATERY MUD
Rec. 1520 Feet of SALT WATER
Rec. _____ Feet of REVERSED OUT
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.075 @ 63.4 °F Chlorides 125000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2127.8 PSI AK1 Recorder No. 24174 Range 3050

(B) First Initial Flow Pressure 217.1 PSI @ (depth) 4415 w / Clock No. 25109

(C) First Final Flow Pressure 412.1 PSI AK1 Recorder No. 22150 Range 3925

(D) Initial Shut-in Pressure 1098.2 PSI @ (depth) 4383 w / Clock No. 23935

(E) Second Initial Flow Pressure 510.5 PSI AK1 Recorder No. _____ Range _____

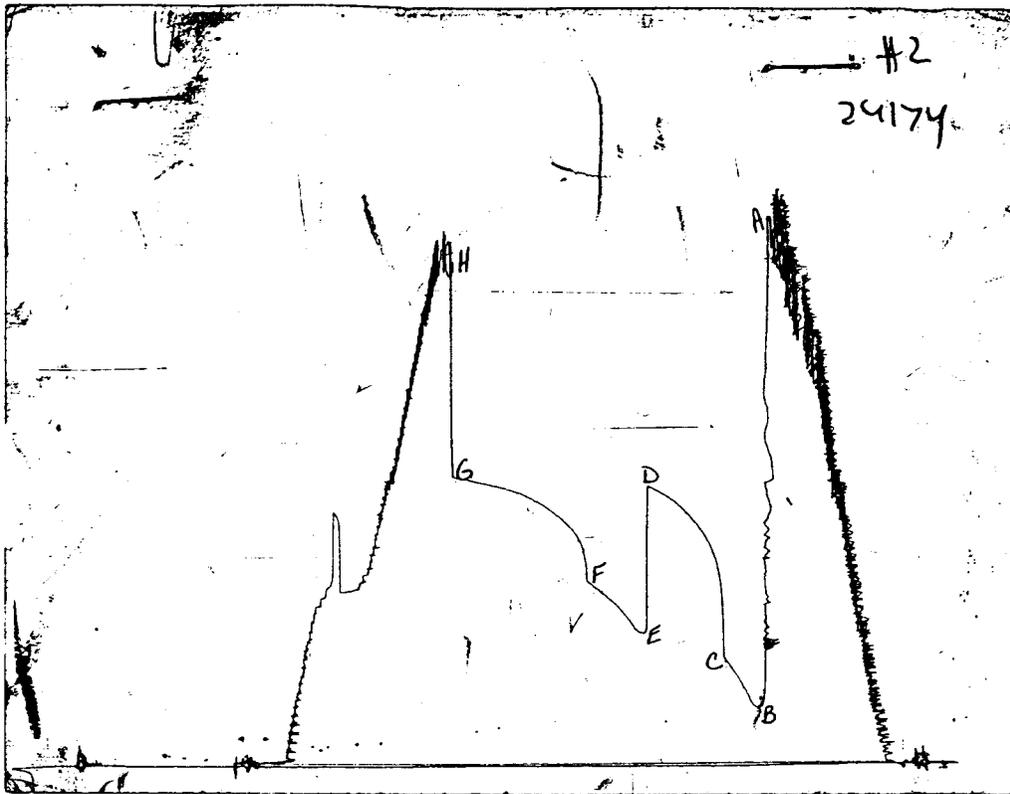
(F) Second Final Flow Pressure 720.5 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1132.9 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2043.1 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart #24174

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2174	2127.8
(B) FIRST INITIAL FLOW PRESSURE	225	217.1
(C) FIRST FINAL FLOW PRESSURE	423	412.1
(D) INITIAL CLOSED-IN PRESSURE	1115	1098.2
(E) SECOND INITIAL FLOW PRESSURE	522	510.5
(F) SECOND FINAL FLOW PRESSURE	720	720.5
(G) FINAL CLOSED-IN PRESSURE	1137	1132.9
(H) FINAL HYDROSTATIC MUD	2073	2043.1

GAS VOLUME REPORT

HUGOTON ENERGY CORP

HOMSHER #2-33

DST # 2

MIN	INCHES OF WTR	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
12	12	0.5	21.9	0	4	0.25	3.37
25	10	0.5	19.9	5	5	0.25	3.71
30	9	0.5	18.8	10	7	0.25	4.45
				20	4	0.25	3.37
				30	TSTM		

Remarks: GAS WILL BURN - CAUGHT SAMPLE DURING INITIAL FLOW

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: 316-324-5389
Fax: 316-626-7108

Lab Number:	940289	Analyzed:	06/04/94
Sample From:	Homsher #2-33 DST 2	Pressure:	
Producer:	Hugoton Energy Corp	Temperature:	
Date:		Location:	33-30S-33W
Time:		County:	Haskell
Sampler:		State:	Kansas
Source:		Formation:	Lansing

	Mole %	GPM
Helium	He:	0.000
Oxygen	O2:	0.000
Nitrogen	N2:	32.955
Carbon Dioxide	CO2:	0.047
Methane	C1:	52.479
Ethane	C2:	6.163
Propane	C3:	4.758
Iso Butane	iC4:	0.714
Normal Butane	nC4:	1.514
Iso Pentane	iC5:	0.381
Normal Pentane	nC5:	0.417
Hexanes Plus	C6+:	0.572

TOTAL:	100.000	4.210
Z Fact:	0.9977	
SP.GR.:	0.8315	
BTU (SAT):	881.2 @ 14.73 psia	
BTU (DRY):	896.8 @ 14.73 psia	
OCTANE RATING:	81.9	

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HOMSHER #2-33 Test No. 3 Date 6/3/94
Company HUGOTON ENERGY CORP Zone KS CITY "A"
Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 2945
Co. Rep./Geo. JOHN CHRISTIANSEN Cont. ALLEN DRLG RIG #1 Est. Ft. of Pay 20
Location: Sec. 33 Twp. 30S Rge. 33W Co. HASKELL State KS

Interval Tested <u>4556-4595</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>39</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>4551</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4556</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>4595</u>	Viscosity <u>40</u> Filtrate <u>9.2</u>

Tool Open @ 7:30 PM Initial Blow STRONG BLOW- BOTTOM OF BUCKET IN 30 SECONDS
GAS TO SURFACE IN 2 MINUTES - OIL TO SURFACE IN 16 MINUTES
Final Blow BOTTOM OF BUCKET AS TOOL OPENED
FSI: HAD TO BLEED GAS OFF BEFORE STARTING OUT

Recovery - Total Feet 120 Flush Tool? NO

Rec. 120 Feet of OIL CUT MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 118 °F Gravity 36 °API @ 70 °F Corrected Gravity 35.3 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2400 ppm System

(A) Initial Hydrostatic Mud 2298.1 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure 695.7 PSI @ (depth) 4562 w / Clock No. 25813

(C) First Final Flow Pressure 650.6 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 1175.9 PSI @ (depth) 4592 w / Clock No. 25814

(E) Second Initial Flow Pressure 645.4 PSI AK1 Recorder No. _____ Range _____

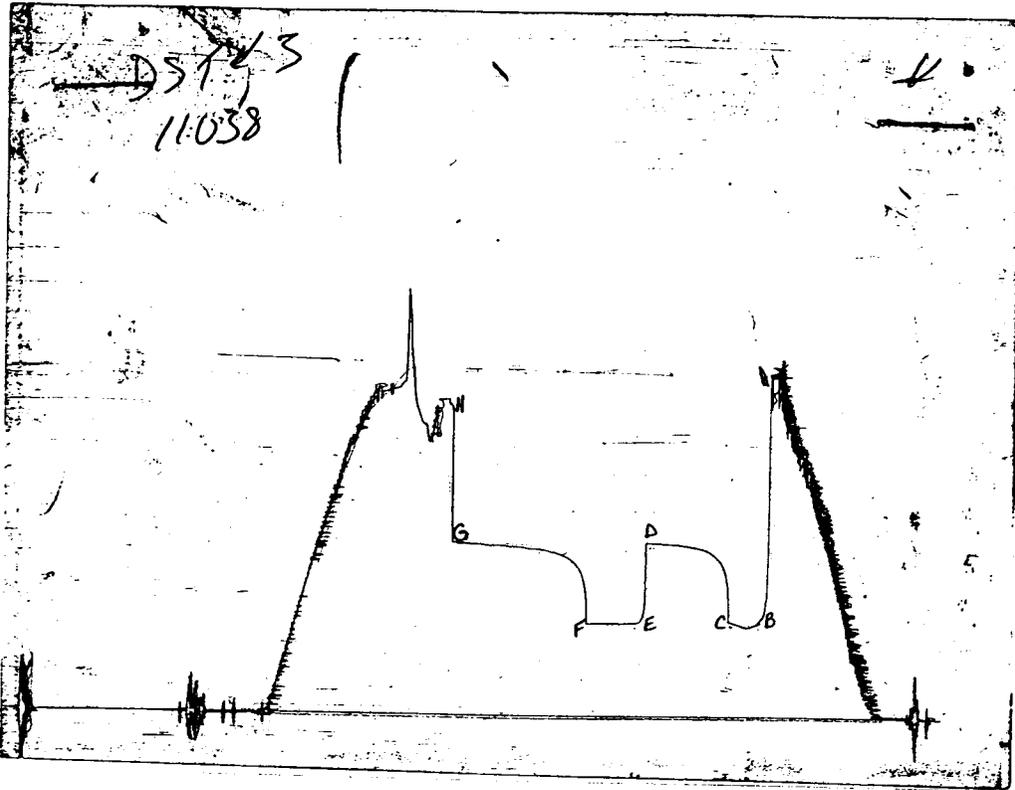
(F) Second Final Flow Pressure 636.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1164.6 PSI Initial Opening 30 Final Flow 40

(H) Final Hydrostatic Mud 2106.3 PSI Initial Shut-in 60 Final Shut-in 110

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart #11038

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2272	2298.1
(B) FIRST INITIAL FLOW PRESSURE	637	695.7
(C) FIRST FINAL FLOW PRESSURE	663	650.6
(D) INITIAL CLOSED-IN PRESSURE	1172	1175.9
(E) SECOND INITIAL FLOW PRESSURE	637	645.4
(F) SECOND FINAL FLOW PRESSURE	637	636.4
(G) FINAL CLOSED-IN PRESSURE	1172	1164.6
(H) FINAL HYDROSTATIC MUD	2118	2106.3

GAS VOLUME REPORT

HUGOTON ENERGY CORP

HOMSHER #2-33

DST # 3

MIN	INCHES OF WTR	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
5	28	1.25	1539	OIL TO SURFACE			
10	15	1.25	1023				
16	OIL TO SURFACE						

Remarks: GAS TO SURFACE IN 2 MINUTES

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: 316-324-5389
Fax: 316-626-7108

Lab Number:	940290	Analyzed:	06/04/94
Sample From:	Homsher #2-33 DST 3	Pressure:	
Producer:	Hugoton Energy Corp	Temperature:	
Date:		Location:	33-30S-33W
Time:		County:	Haskell
Sampler:		State:	Kansas
Source:		Formation:	K.C. "A"

	Mole %	GPM
Helium	He: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 18.615	0.000
Carbon Dioxide	CO2: 0.103	0.000
Methane	C1: 64.945	0.000
Ethane	C2: 6.741	1.803
Propane	C3: 5.523	1.522
Iso Butane	iC4: 0.727	0.238
Normal Butane	nC4: 1.764	0.556
Iso Pentane	iC5: 0.430	0.157
Normal Pentane	nC5: 0.464	0.168
Hexanes Plus	C6+: 0.688	0.300
	TOTAL: 100.000	4.744
	Z Fact: 0.9971	
	SP.GR.: 0.7921	
	BTU (SAT): 1053.3 @ 14.73 psia	
	BTU (DRY): 1072.0 @ 14.73 psia	
	OCTANE RATING: 99.8	

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HOMSHER #2-33 Test No. 4 Date 6/4/94
Company HUGOTON ENERGY CORP Zone KS CITY "B"
Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 2945
Co. Rep./Geo. JOHN CHRISTIANSEN Cont. ALLEN DRLG RIG #1 Est. Ft. of Pay 8
Location: Sec. 33 Twp. 30S Rge. 33W Co. HASKELL State KS

Interval Tested 4617-4652 Drill Pipe Size 4.5" XH
Anchor Length 35 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4612 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4617 Mud Wt. 9.2 lb/Gal.
Total Depth 4652 Viscosity 44 Filtrate 8.8

Tool Open @ 1:25 PM Initial Blow STRONG BLOW- BOTTOM OF BUCKET IN 30 SECONDS
GAS TO SURFACE IN 12 MINUTES
Final Blow BOTTOM OF BUCKET AS TOOL OPENED

Recovery - Total Feet 1370 Flush Tool? NO

Rec. 1250 Feet of CLEAN GASSY OIL- 40% GAS/ 60% OIL
Rec. 120 Feet of MUD CUT OIL - 60% OIL/ 40% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 120 °F Gravity 36 °API @ 76 °F Corrected Gravity 34.9 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud 2246.8 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure 95.7 PSI @ (depth) 4626 w / Clock No. 25813

(C) First Final Flow Pressure 118.7 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 933.3 PSI @ (depth) 4649 w / Clock No. 25814

(E) Second Initial Flow Pressure 223.7 PSI AK1 Recorder No. _____ Range _____

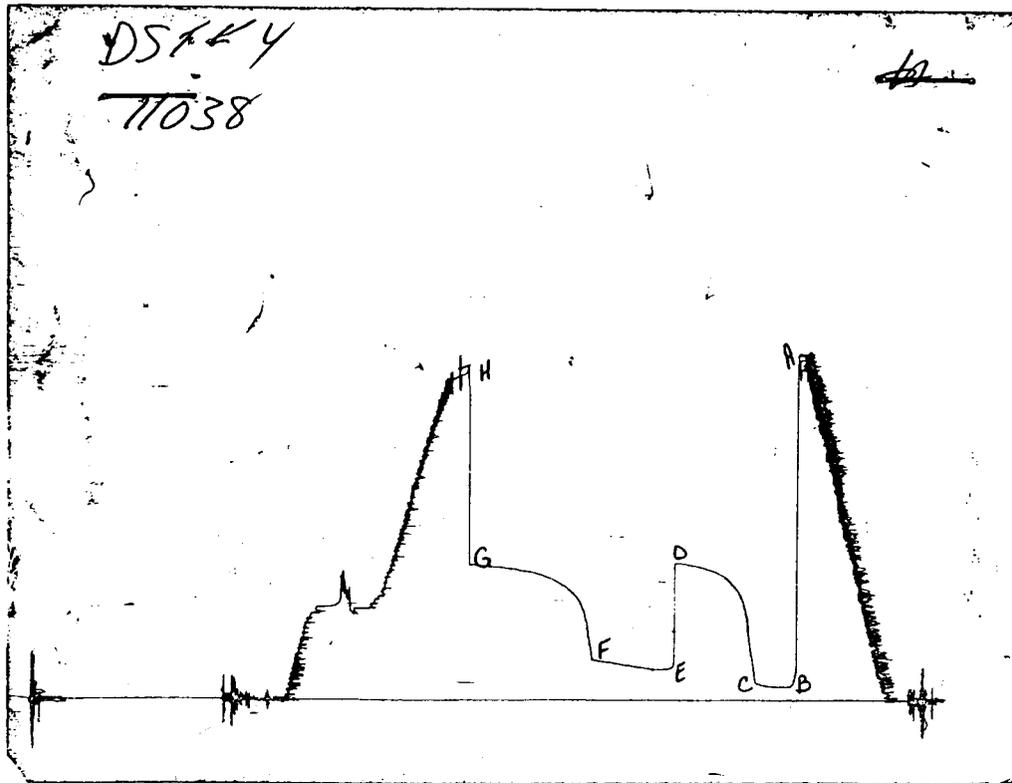
(F) Second Final Flow Pressure 283.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 923.1 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2230.1 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative TOM HORACEK

CHART PAGE

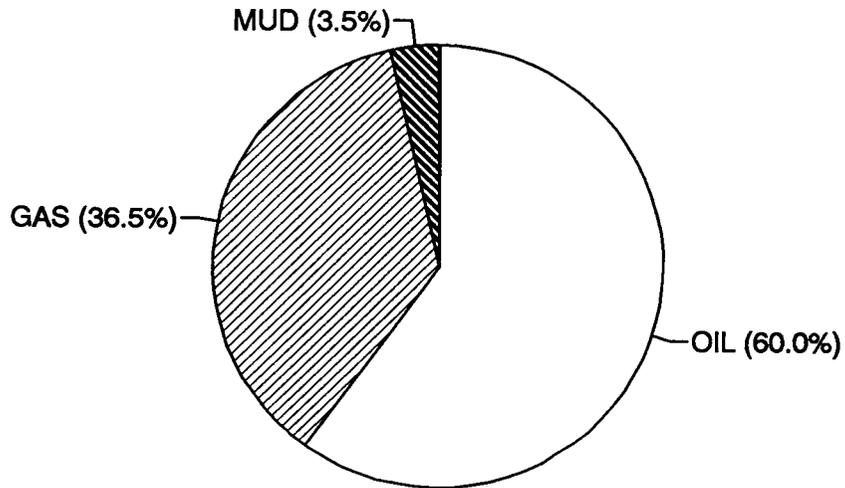


This is an actual photograph of recorder chart #11038

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2298	2246.8
(B) FIRST INITIAL FLOW PRESSURE	82	95.7
(C) FIRST FINAL FLOW PRESSURE	109	118.7
(D) INITIAL CLOSED-IN PRESSURE	919	933.3
(E) SECOND INITIAL FLOW PRESSURE	203	223.7
(F) SECOND FINAL FLOW PRESSURE	270	283.8
(G) FINAL CLOSED-IN PRESSURE	906	923.1
(H) FINAL HYDROSTATIC MUD	2131	2230.1

DST #	CALCULATED RECOVERY ANALYSIS					DRILL	PIPE	
	4	TICKET					7015	
SAMPLE #	TOTAL FEET	GAS %	OIL FEET	OIL %	WATER FEET	WATER %	MUD FEET	MUD %
1	1250	40	500	60	750	0	0	0
2	120	0	0	60	72	0	0	40
3			0		0		0	0
4			0		0		0	0
5			0		0		0	0
6			0		0		0	0
TOTAL	1370	36.49635	500	60	822	0	0	3.5

	HRS	BBL/DAY
BBL OIL=	11.68884	* 1.5 187.02
BBL WATER=	0	* 0
BBL MUD=	0.68256	
BBL GAS	7.11	



GAS VOLUME REPORT

HUGOTON ENERGY CORP

HOMSHER #2-33

DST # 4

MIN	INCHES OF WTR	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
15	1	0.25	8.95	10	2.5	0.25	14.3
25	4	0.25	18.5	20	3	0.25	15.7
30	6	0.25	22.9	30	3	0.25	15.7
				40	1	0.25	8.95
				50	1	0.25	8.95
				60	1	0.25	8.95

Remarks: GAS TO SURFACE IN 12 MINUTES

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: 316-324-5389
Fax: 316-626-7108

Lab Number:	940292	Analyzed:	06/05/94
Sample From:	Homsher #2-33 DST 4	Pressure:	
Producer:	Hugoton Energy Corp	Temperature:	
Date:		Location:	33-30S-33W
Time:		County:	Haskell
Sampler:		State:	Kansas
Source:		Formation:	K.C. "B"

	Mole %	GPM
Helium	He:	0.000
Oxygen	O2:	0.000
Nitrogen	N2:	4.156
Carbon Dioxide	CO2:	0.146
Methane	C1:	54.522
Ethane	C2:	14.713
Propane	C3:	15.341
Iso Butane	iC4:	2.230
Normal Butane	nC4:	5.116
Iso Pentane	iC5:	1.141
Normal Pentane	nC5:	1.136
Hexanes Plus	C6+:	1.499

TOTAL: 100.000 11.988
Z Fact: 0.9934
SP.GR.: 0.9897
BTU (SAT): 1590.8 @ 14.73 psia
BTU (DRY): 1618.9 @ 14.73 psia
OCTANE RATING: 109.6

COMMENTS: Sample entered under vacuum
Insufficient pressure for Helium analysis

