

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Hamsher

Well Name HAMSHER #1-33 Test No. 1 Date 8/17/93
Company HUGOTON ENERGY Zone TORONTO
Address 229 E WILLIAM #500 WICHITA KS 67202 Elevation 2943
Co. Rep./Geo. KARL OSTERBUHR Cont. MURFIN RIG #20 Est. Ft. of Pay 10
Location: Sec. 33 Twp. 30S Rge. ~~30W~~ 33W Co. HASKELL State KS

Interval Tested 4050-4095 Drill Pipe Size 4.5" XH
Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4046 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4050-4095 Mud Wt. 8.8 lb/Gal.
Total Depth 4185 Viscosity 43 Filtrate _____

Tool Open @ 7:50 AM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 5 MINUTES

Final Blow STRONG BLOW - BOTTOM OF BUCKET IN 4 MINUTES

Recovery - Total Feet 1839 Flush Tool? NO

180 Feet of MUDDY WATER-20% WTR/ 80% MUD
1659 Feet of WATERY MUD-10% GAS/ 80% WTR/ 10% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 74000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud 1896.3 PSI AK1 Recorder No. 13850 Range 4325

(B) First Initial Flow Pressure 145.2 PSI @ (depth) 4054 w / Clock No. 31154

(C) First Final Flow Pressure 415.6 PSI AK1 Recorder No. 13851 Range 4425

(D) Initial Shut-in Pressure 1048.9 PSI @ (depth) 4192 w / Clock No. 27585

(E) Second Initial Flow Pressure 470.3 PSI AK1 Recorder No. 1150 Range 4100

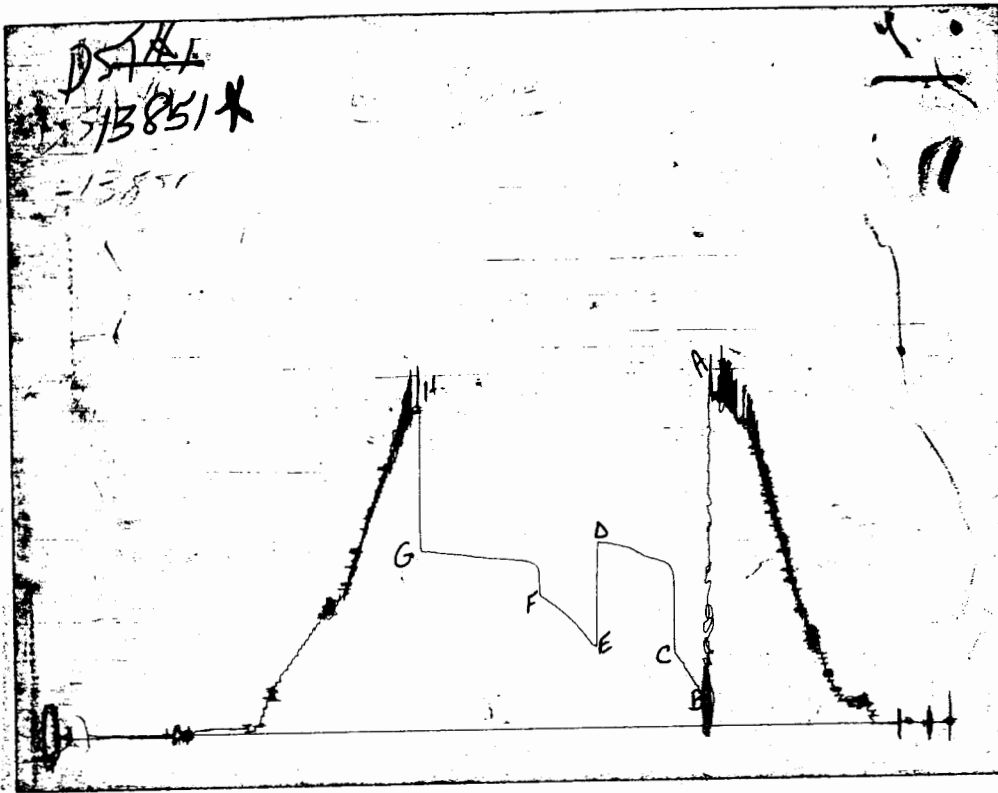
(F) Second Final Flow Pressure 742.3 PSI @ (depth) 4182 w / Clock No. 14389

Final Shut-in Pressure 1026.9 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1877.9 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative ROBERT COLLINS

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1884	1896.3
(B) FIRST INITIAL FLOW PRESSURE	144	145.2
(C) FIRST FINAL FLOW PRESSURE	411	415.6
(D) INITIAL CLOSED-IN PRESSURE	1046	1048.9
(E) SECOND INITIAL FLOW PRESSURE	466	470.3
(F) SECOND FINAL FLOW PRESSURE	740	742.3
(G) FINAL CLOSED-IN PRESSURE	1024	1026.9
(H) FINAL HYDROSTATIC MUD	1873	1877.9

CHART PAGE



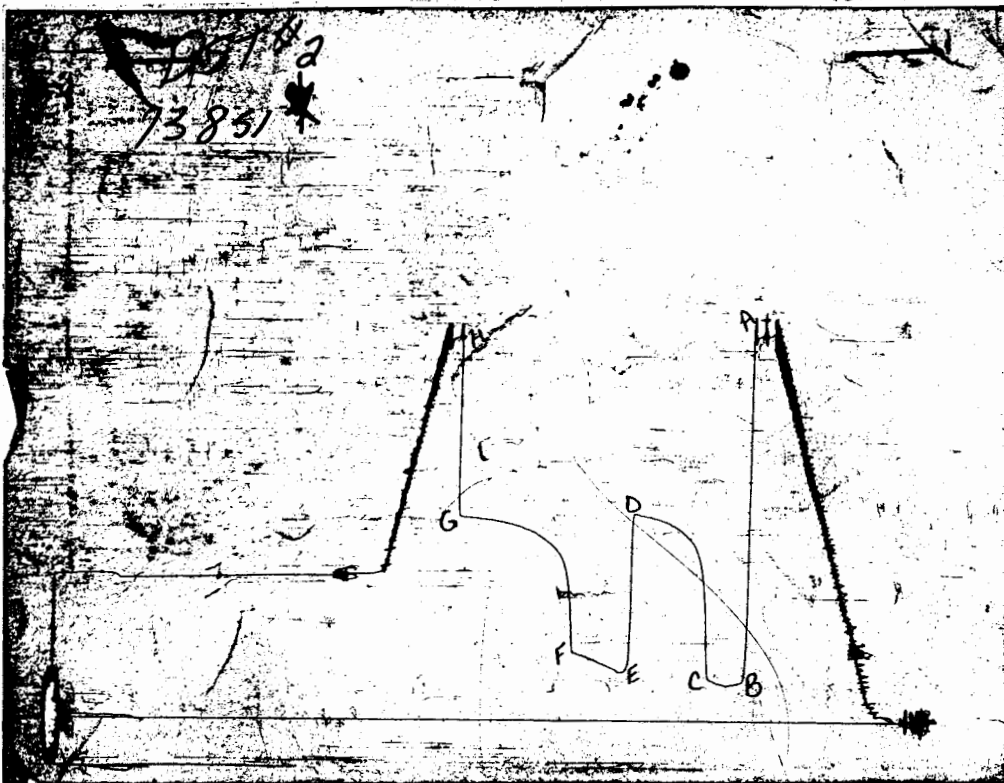
This is an actual photograph of recorder chart

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

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2095	2085.1
(B) FIRST INITIAL FLOW PRESSURE	222	217.7
(C) FIRST FINAL FLOW PRESSURE	244	235.5
(D) INITIAL CLOSED-IN PRESSURE	1178	1181.7
(E) SECOND INITIAL FLOW PRESSURE	277	275.5
(F) SECOND FINAL FLOW PRESSURE	388	392.2
(G) FINAL CLOSED-IN PRESSURE	1156	1165.1
(H) FINAL HYDROSTATIC MUD	2095	2058.1

CALCULATED RECOVERY ANALYSIS

DST

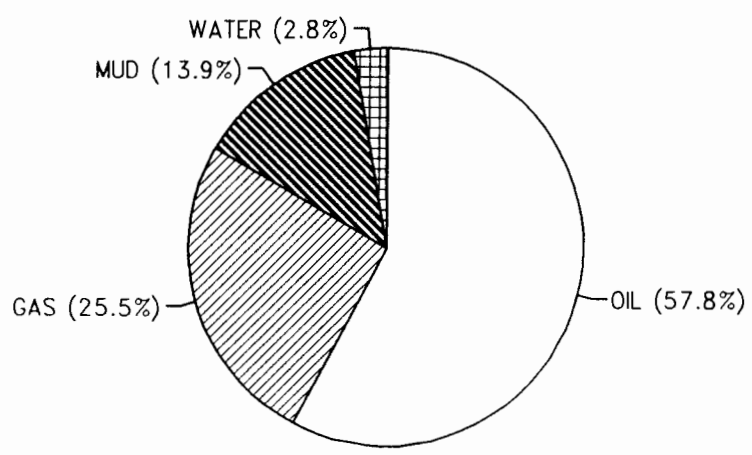
2

TICKET #

5591

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	1185	20	237	80	948	0	0	0	0
PIPE 2	413	40	165.2	0	0	10	41.3	50	206.5
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	120	40	48	0	0	10	12	50	60
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	1718		450.2		948		53.3		266.5

		HRS OPEN	BBL/DAY
BBL OIL=	13.48056	*	1.25 258.82675
BBL WATER=	0.645966	*	12.402547
BBL MUD=	3.22983		
BBL GAS =	5.954004		



GAS VOLUME REPORT

HUGOTON ENERGY

HAMSHER #1-33

DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
10	6	0.75	194	5	6.5	0.75	202
15	5	0.75	175	10	7	0.75	211
20	4	0.75	156	15	4.5	0.75	166
25	4	0.75	156	20	3	0.75	133
30	2	0.75	108	25	2	0.75	108
				30	6.5	0.5	90.1
				35	5.5	0.5	81.8
				40	4.5	0.5	73.6
				45	2.2	0.5	121

Remarks: GAS TO SURFACE IN 5 MINUTES/GAS WILL BURN

FLUID SAMPLER DATA

Ticket No.: 5591

Date: 8/18/93

Company: HUGOTON ENERGY

Lease: HAMSHER #1-33

Test No.: 2

County: HASKELL

Sec.: 33

Twp.: 30S

Rng.: 30W

SAMPLER RECOVERY

Gas 12.5 CU F

Oil

Mud

Water

her

Pressure 1000

TOTAL 1000 GAS

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 3400

Resistivity ohms@ F

Viscosity 55

Mud Wt. 9

Filtrate 9.9

Other

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm

CONFIDENTIAL

WELL: HOMSHER #1 - 33 API #15-081-20804

DRILL STEM TESTS

DST 1

Test Interval 4050 - 4095'

Times

30-60-45-90"

Recovery

1800' GSW

Pressures

IHP 1884
IFP 144 - 411
ISIP 1046
FFP 466 - 740
FSIP 1024
FHP 1873

COPY

RECEIVED
STATE CORPORATION COMMISSION

OCT 08 1993

CONSERVATION DIVISION
Wichita, Kansas

KCC

OCT 7

CONFIDENTIAL

DST 2

Test Interval 4540-4594'

Times

30-60-45-90"

First Open

Gauged 194 MCF

Second Open

Gauged 211 MCF

Recovery

1,185 CGO (20% gas, 80% oil)
533' HGCM with trace of oil (40% gas, 50% mud, 10% water)

Pressures

IHP 2095
IFP 222 - 244
ISIP 1178
FFP 277-388
FSIP 1156
FHP 2095

RELEASED

JAN 11 1996

FROM CONFIDENTIAL