

DRILL-STEM TEST DATA

Well Name:	MLP BRUNO #2-34			
Company :	HUGOTON ENERGY CORP			
Location - Sec:	34	Tw:	29S	Rge: 34W
County:	HASKELL	State:	KS	
Date:	08/24/95			

TRILOBITE TESTING L.L.C.

OPERATOR : Hugoton Energy Corp
WELL NAME: MLP Bruno #2-34
LOCATION : 34-29S-34W, Haskell Cty
INTERVAL : 4720.00 To 4760.00 ft

DATE 08/21/95
KB 2972.00 ft TICKET NO: 8228 DST #1
GR 0.00 ft FORMATION: Marmaton
TD 4760.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 30 to hr
SI 60 Range(Psi)	4075.0	4075.0	3975.0	0.0	0.0	IS Fr. to 1 hr
SF 45 Clock(hrs)	23935	23935	30416			SF Fr. 45 to hr
FS 90 Depth(ft)	4724.0	4724.0	4757.0	0.0	0.0	FS Fr. to 1.5 hr

	Field	1	2	3	4	
A. Init Hydro	2346.0	2343.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	162.0	159.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	162.0	168.0	0.0	0.0	0.0	T OPEN 11:1 hr
C. In Shut-in	1354.0	1358.0	0.0	0.0	0.0	T PULLED 14:5 hr
D. Init Flow	203.0	190.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	223.0	214.0	0.0	0.0	0.0	
F. Fl Shut-in	1354.0	1358.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2143.0	2148.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 250.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 480.00 ft of 250.00 ft in DC and 230.00 ft in DP
240.00 ft of Slightly Oil & Gas Cut Mud - 30% gas, 10% oil
0.00 ft of 60% mud
120.00 ft of Slightly Oil & Slightly Gas Cut Water -
0.00 ft of 10% gas, 5% oil, 85% water
120.00 ft of Water - 100% water
0.00 ft of
0.00 ft of

RW .25 @ 97.6 F

SALINITY 18000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
Very strong blow, bottom of bucket in
13 sec, gas to surface 9 min, gas will
burn

Initial Shutin -
Bled off 2", surface blow back, built
to 6" blow throughout

Final Blow -
Very strong blow, bottom of bucket as
soon as tool open

Final Shutin -
Bled off 2" - took 20 min, surface
blow built to bottom of bucket 35 min

SAMPLES: 1

SENT TO:Caraway, Liberal KS

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	46.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

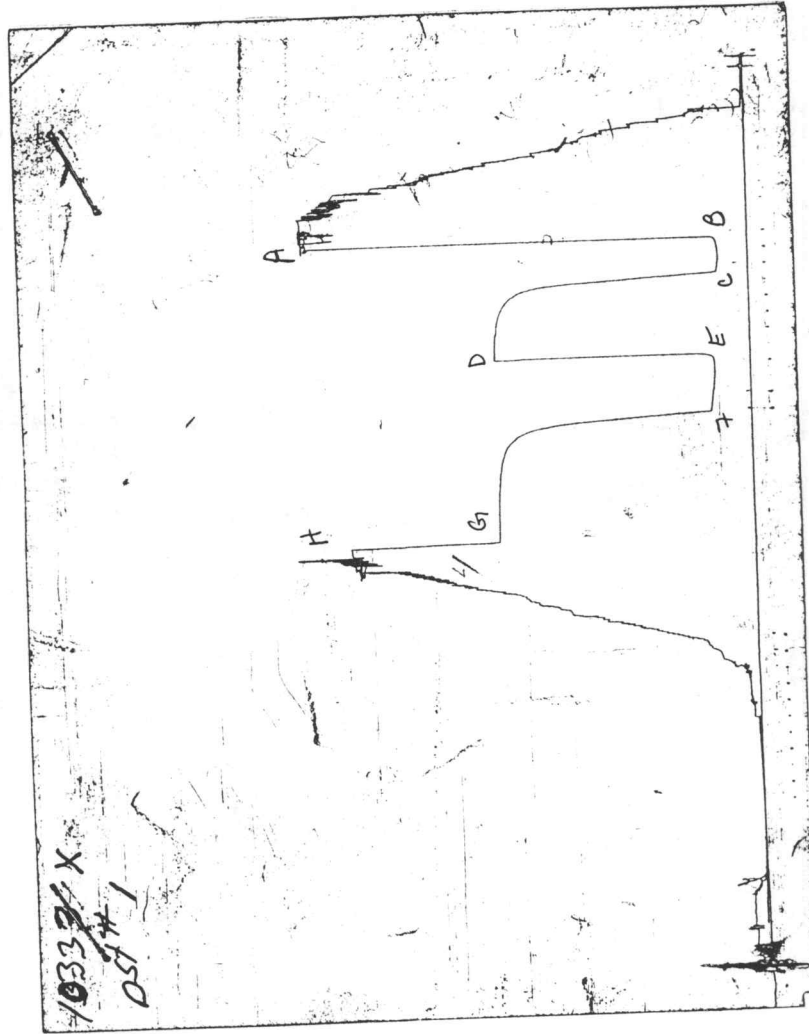
Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 F

Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike Colantonio
Co. Rep.	Ken LeBlanc
Contr.	Murfin
Rig #	20
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

GAS RECOVERY

COMPANY: Hugoton Energy Corp

DATE: 08/21/95

WELL NAME: MLP Bruno #2-34

KB Elev: 2972.00 ft TICKET #8228 DST #1

WELL LOCATION: 34-29S-34W, Haskell Cty

GR Elev: 0.00 ft FORMATION: Marmaton

INTERVAL Fr.: 4720.00 To 4760.00 T.D.: 4760.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	0	40	22500.0
15	0.38	0	44	23600.0
20	0.38	0	44	23600.0
25	0.38	0	44	23600.0
30	0.38	0	44	23600.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
1	0.38	0	42	23100.0
5	0.38	0	50	25200.0
10	0.38	0	52	25700.0
15	0.38	0	54	26200.0
20	0.38	0	54	26200.0
25	0.38	0	56	26600.0
30	0.38	0	56	26600.0
35	0.38	0	56	26600.0
40	0.38	0	56	26600.0
45	0.38	0	56	26600.0

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: 950447
Sample From: MLP Bruno 2-34 DST 1
Producer: Hugoton Energy Corp.
Date:
Time:
Sampler:
Source:

Analyzed: 08/22/95
Pressure:
Temperature:
Location: 34-29S-34W
County: Haskell
State: Kansas
Formation: Marmaton

	Mole %	GPM
Helium	He: 0.360	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 16.733	0.000
Carbon Dioxide	CO2: 0.173	0.000
Methane	C1: 60.353	0.000
Ethane	C2: 8.428	2.254
Propane	C3: 7.764	2.139
Iso Butane	iC4: 1.136	0.372
Normal Butane	nC4: 2.494	0.786
Iso Pentane	iC5: 0.643	0.235
Normal Pentane	nC5: 0.756	0.274
Hexanes Plus	C6+: 1.160	0.506
TOTAL:	100.000	6.567
Z Fact:	0.9964	
SP.GR.:	0.8503	
BTU (SAT):	1174.2 @ 14.73 psia	
BTU (DRY):	1195.0 @ 14.73 psia	
OCTANE RATING:	99.2	

COMMENTS: Sample entered under vacuum

TRILOBITE TESTING L.L.C.

OPERATOR : Hugoton Energy Corp

DATE 08/23/95

WELL NAME: MLP Bruno #2-34

KB 2972.00 ft

TICKET NO: 8229

DST #2

LOCATION : 34-29S-34W, Haskell Cty

GR 0.00 ft

FORMATION: Lower Morrow

INTERVAL : 5180.00 To 5290.00 ft

TD 5290.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 30 to hr
SI 60 Range(Psi)	3975.0	3975.0	4075.0	0.0	0.0	IS Fr. to 1 hr
SF 30 Clock(hrs)	30416	30416	23435			SF Fr. 30 to hr
FS 60 Depth(ft)	5287.0	5287.0	5181.0	0.0	0.0	FS Fr. to 1 hr

	Field	1	2	3	4	
A. Init Hydro	2613.0	2617.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	98.0	115.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	108.0	123.0	0.0	0.0	0.0	T OPEN 13:2 hr
C. In Shut-in	138.0	148.0	0.0	0.0	0.0	T PULLED 16:2 hr
D. Init Flow	88.0	101.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	88.0	101.0	0.0	0.0	0.0	
F. Fl Shut-in	98.0	102.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2387.0	2374.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 160.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
 30.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 Surface blow throughout

Final Blow -
 Dead, no blow

SAMPLES:
 SENT TO:

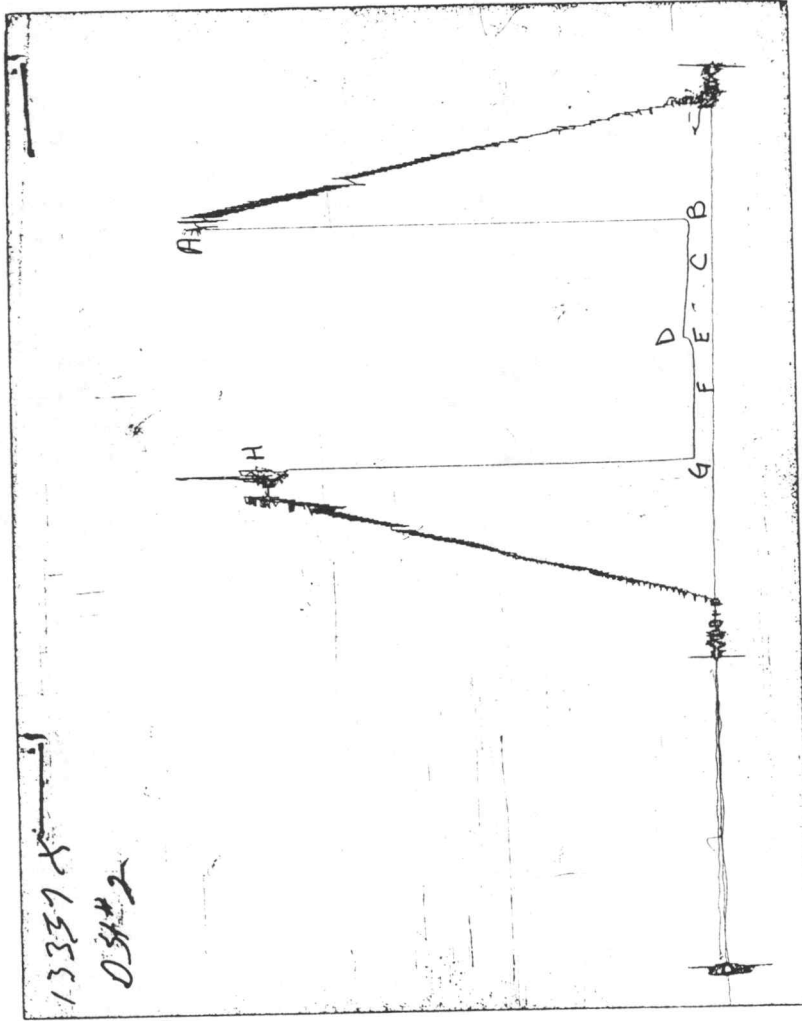
MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	50.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike Colantonio
Co. Rep.	Ken LeBlanc
Contr.	Murfin
Rig #	20
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Hugoton Energy Corp

DATE 08/24/95

WELL NAME: MLP Bruno #2-34

KB 2972.00 ft

TICKET NO: 8230

DST #3

LOCATION : 34-29S-34W, Haskell Cty

GR 0.00 ft

FORMATION: Chester

INTERVAL : 5333.00 To 5400.00 ft

TD 5400.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 30 to hr
SI 60 Range(Psi)	4075.0	4075.0	3975.0	0.0	0.0	IS Fr. to 1 hr
SF 60 Clock(hrs)	23935	23935	30416			SF Fr. to 1 hr
FS 120 Depth(ft)	5341.0	5341.0	5397.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	2651.0	2650.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	101.0	76.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	111.0	71.0	0.0	0.0	0.0	T OPEN 12:2 hr
C. In Shut-in	91.0	88.0	0.0	0.0	0.0	T PULLED 16:5 hr
D. Init Flow	60.0	49.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	60.0	49.0	0.0	0.0	0.0	
F. Fl Shut-in	111.0	102.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2396.0	2390.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 260.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
 10.00 ft of Drilling Mud w/ trace of oil on top of tool
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 Surface blow built to 2.5"

Final Blow -
 Surface blow built to 2"

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	52.00 S/L
W.L.	8.80 in3
F.C.	0.00 in

Mud Drop

Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	0
Cushion Amt.	2.00
Cushion Type	
Reversed Out	
Tool Chased	

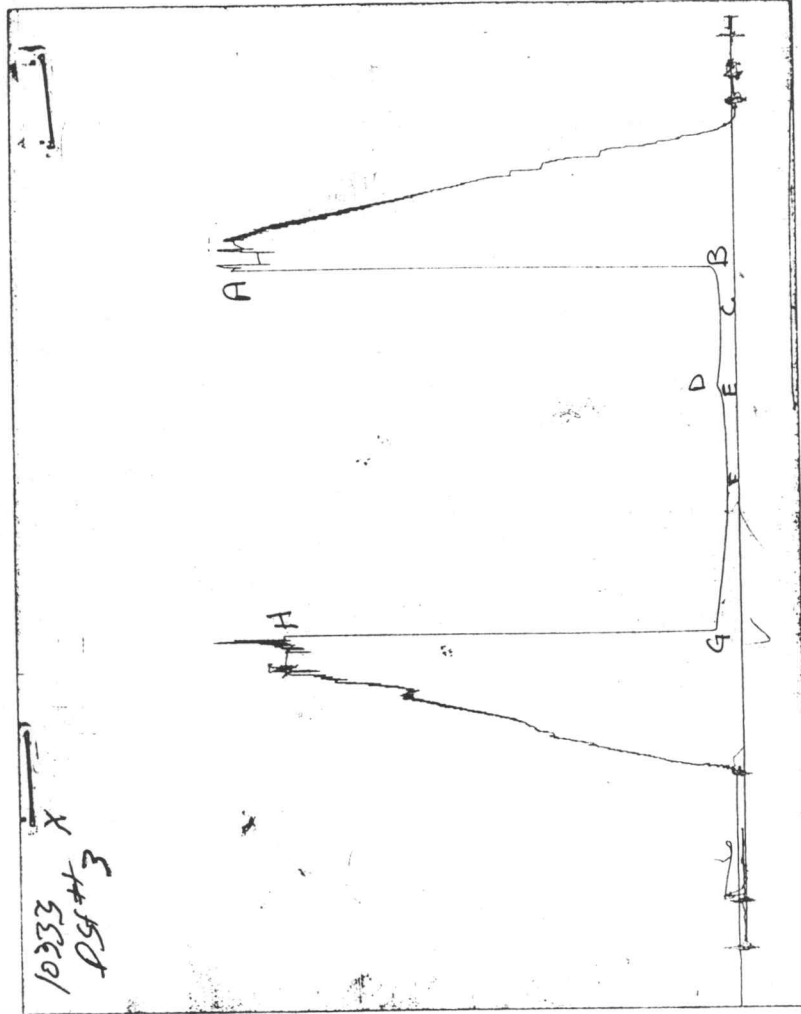
SAMPLES:

SENT TO:

Tester	Mike Colantonio
Co. Rep.	Ken LeBlanc
Contr.	Murfin
Rig #	20
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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