

WELL NAME: MLP Black # 4-3
COMPANY: Hugoton Energy Corp
LOCATION: Sec. 3 Twp. 30S Rge. 34W
Haskell County Kansas
DATE: 1/20/97



TRILOBITE TESTING L.L.C.

OPERATOR : Hugoton Energy Corp
WELL NAME: MLP Black #4-3
LOCATION : 3-30S-34W Haskell KS
INTERVAL : 4107.00 To 4144.00 ft

DATE 1/6/97
KB 2991.00 ft TICKET NO: 9610 DST #1
GR 2980.00 ft FORMATION: Lansing 'A'
TD 4144.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13339	13339	13276			PF Fr. 1028 to 1058 hr
SI 60	Range (Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1058 to 1158 hr
SF 45	Clock (hrs)	12hr	12hr	12hr			SF Fr. 1158 to 1243 hr
FS 90	Depth (ft)	4139.0	4139.0	4134.0	0.0	0.0	FS Fr. 1243 to 1413 hr

	Field	1	2	3	4	
A. Init Hydro	1972.0	1943.0	0.0	0.0	0.0	T STARTED 0845 hr
B. First Flow	83.0	115.0	0.0	0.0	0.0	T ON BOTM 1020 hr
B1. Final Flow	104.0	113.0	0.0	0.0	0.0	T OPEN 1028 hr
C. In Shut-in	929.0	935.0	0.0	0.0	0.0	T PULLED 1413 hr
D. Init Flow	114.0	148.0	0.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	124.0	140.0	0.0	0.0	0.0	
F. Fl Shut-in	929.0	941.0	0.0	0.0	0.0	
G. Final Hydro	1962.0	1882.0	0.0	0.0	0.0	
Inside/Outside	O	O	I			

RECOVERY

Tot Fluid 320.00 ft of 248.00 ft in DC and 72.00 ft in DP
72.00 ft of Gas Oil Cut Mud 5%g 5%o 90%m
62.00 ft of Gas Oil Water Cut Mud 10%g 10%o 20%w 60%m
62.00 ft of Gas Oil Water Cut Mud 25%g 20%o 20%w 35%m
62.00 ft of Gas Oil Water Cut Mud 30%g 25%o 15%w 40%m
62.00 ft of Gas Oil Water Cut Mud 45%g 15%o 20%w 20%m
0.00 ft of
0.00 ft of
0.00 ft of RW .24 @ 70F
SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Strong blow off bottom in 30 sec

Initial Shut In:
Bled off blow, Surface blow steady throughout.

Final Flow:
Strong return off bottom in 30 sec

Final Shut In:
Bled off blow, Gas to Surface while bleeding off, surface blow built to 1 1/2"

SAMPLES:

SENT TO:

MUD DATA-----

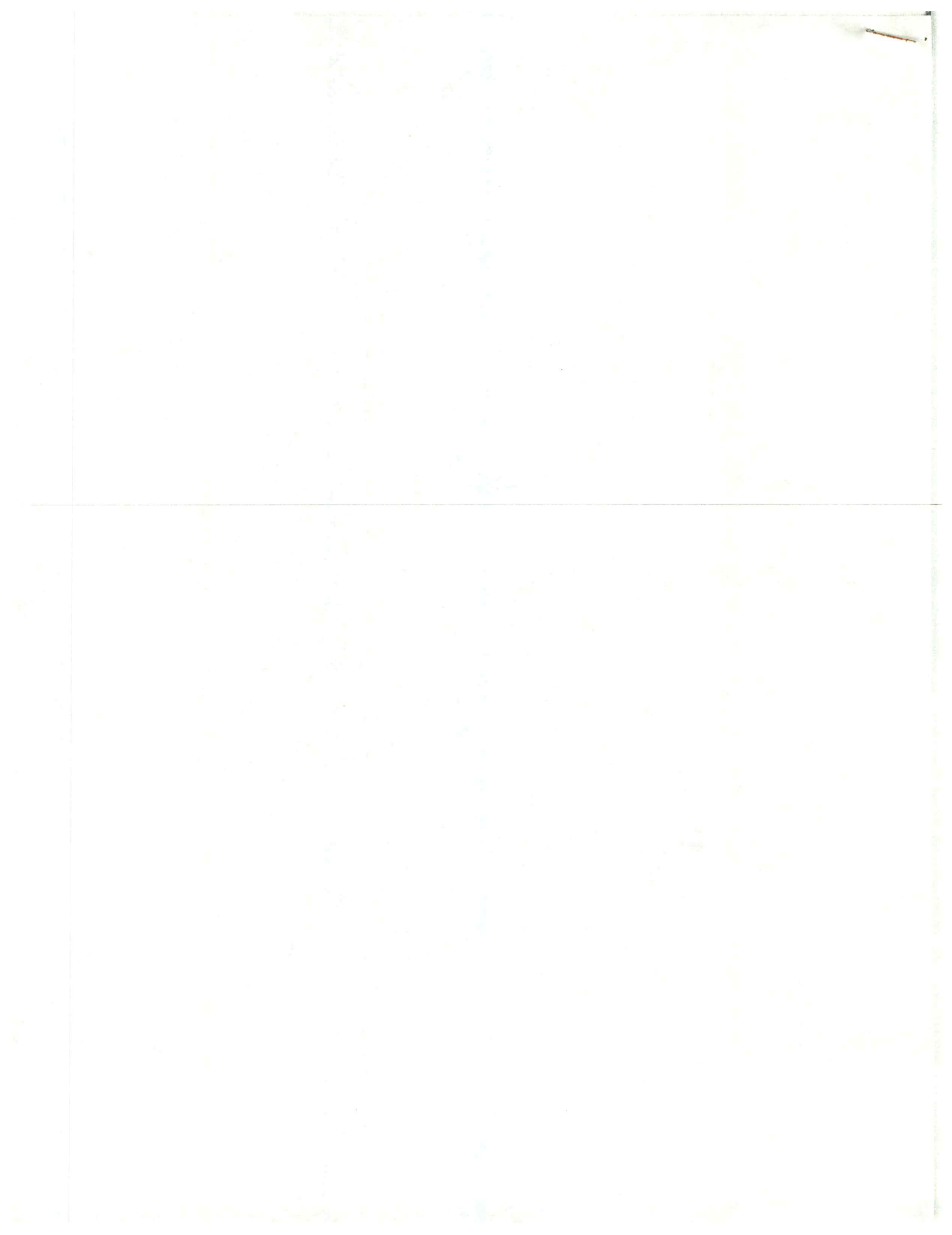
Mud Type	Chemical
Weight	9.00 lb/c
Vis.	44.00 S/L
W.L.	10.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	136.00 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	Rod Steinbrink
Co. Rep.	Arden Ratzlaff
Contr.	Murfin
Rig #	20
Unit #	
Pump T.	

Test Successful: Y

DST# 13339 X

This is a photocopy of the actual AK-1 recorder chart



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9610

Well Name & No. MLP Black #4-3 Test No. 1 Date 1-6-97
Company Hugoton Energy Corporation Zone Tested Lansing 'A'
Address 301 N. Main Ste. 1900 Wichita, KS. 671 Elevation 2991 KB 2980 GL
Co. Rep / Geo. Arden Ratzlaff Cont. Murfin #20 Est. Ft. of Pay Por. %
Location: Sec. 3 Twp. 30^S Rge. 34^W Co. Haskell State KS
No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4107 - 4144 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70,000
Anchor Length 37' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000
Top Packer Depth 4102 Tool Weight 1,800
Bottom Packer Depth 4107 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4144 Wt. Pipe Run Drill Collar Run 4" K-90 248'
Mud Wt. 9.0 LCM 1#/bbl Vis. 44 WL 10.2 Drill Pipe Size 4 1/2" KH Ft. Run 3559'
Blow Description IF: Strong blow off btm in 30 secs.
ISI: Bled off blow - surface blow steady throughout.
FF: Strong return off btm in 30 secs
FSI: Bled off blow - GTS while bleeding off - / surface blow built to 1 1/2"

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>72'</u> Feet Of <u>GDCM</u>	<u>5</u> %gas <u>5</u> %oil <u>—</u> %water <u>90</u> %mud	<u>248'</u>	<u>72'</u>
Rec. <u>62'</u> Feet Of <u>GOWCM</u>	<u>10</u> %gas <u>10</u> %oil <u>20</u> %water <u>60</u> %mud		
Rec. <u>62'</u> Feet Of <u>GOWCM</u>	<u>25</u> %gas <u>20</u> %oil <u>20</u> %water <u>35</u> %mud		
Rec. <u>62</u> Feet Of <u>GOWCM</u>	<u>30</u> %gas <u>25</u> %oil <u>15</u> %water <u>40</u> %mud		
Rec. <u>62'</u> Feet Of <u>GOWCM</u>	<u>45</u> %gas <u>15</u> %oil <u>20</u> %water <u>20</u> %mud		

BHT 136° °F Gravity °API D@ °F Corrected Gravity °API
RW .24 @ 70° °F Chlorides 30,000 ppm Recovery Chlorides 1,800 ppm System

(A) Initial Hydrostatic Mud 1972 PSI Recorder No. 13276 T-Started 0845
(B) First Initial Flow Pressure 83 PSI (depth) 4134 T-Open 1028
(C) First Final Flow Pressure 104 PSI Recorder No. 13339 T-Pulled 1413
(D) Initial Shut-in Pressure 929 PSI (depth) 4139 T-Out 1645
(E) Second Initial Flow Pressure 114 PSI Recorder No.
(F) Second Final Flow Pressure 124 PSI (depth)
(G) Final Shut-in Pressure 929 PSI Initial Opening 30 Test 700
(H) Final Hydrostatic Mud 1962 PSI Initial Shut-in 60 Jars

Final Flow 45 Safety Joint X 50
Final Shut-in 90 Straddle

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Arden Ratzlaff
Our Representative Rod Steinbrink

Circ. Sub X N/C
Sampler
Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$ 750

(10)

TRILOBITE TESTING L.L.C.

OPERATOR : Hugoton Energy Corp
WELL NAME: Black # 4-3
LOCATION : 3-30S-34W Haskell KS
INTERVAL : 4883.00 To 4930.00 ft

DATE 1/8/97
KB 2991.00 ft TICKET NO: 9096 DST #2
GR 2982.00 ft FORMATION: Fort Scott
TD 4930.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10333	10333	1055			PF Fr. 1111 to 1141 hr
SI 60 Range(Psi)	4075.0	4075.0	4050.0	0.0	0.0	IS Fr. 1141 to 1241 hr
SF 60 Clock(hrs)	12hr	12hr	12hr			SF Fr. 1241 to 1341 hr
FS 120 Depth(ft)	4886.0	4886.0	4927.0	0.0	0.0	FS Fr. 1341 to 1541 hr

	Field	1	2	3	4	
A. Init Hydro	2406.0	2409.0	0.0	0.0	0.0	T STARTED 0115 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 1105 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 1111 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1547 hr
D. Init Flow	111.0	111.0	0.0	0.0	0.0	T OUT 1900 hr
E. Final Flow	213.0	217.0	0.0	0.0	0.0	
F. Fl Shut-in	1375.0	1377.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2295.0	2296.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 85000.00 lbs

RECOVERY

Tot Fluid 630.00 ft of 309.00 ft in DC and 321.00 ft in DP
225.00 ft of Gas in Pipe
140.00 ft of Slightly frothy Gas cut Muddy Water
120.00 ft of Heavy Gas with Muddy frothy Oil
0.00 ft of 65% Gas 10% Frothy Oil 15% Water 10% Mud
250.00 ft of Heavy Frothy Oil, Muddy Water
0.00 ft of 55% Frothy Oil 25% Water 20% Mud
250.00 ft of Salt Water
0.00 ft of RW .190 @ 58.2F
SALINITY 48000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	50.00 S/L
W.L.	10.20 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:
Weak Surface Blow, Tool Never Opened

Initial Shut In:

Final Flow:

Strong Blow, Bottom Of Bucket in 1 min

Final Shut In:

Bled off 2 inches in blow back

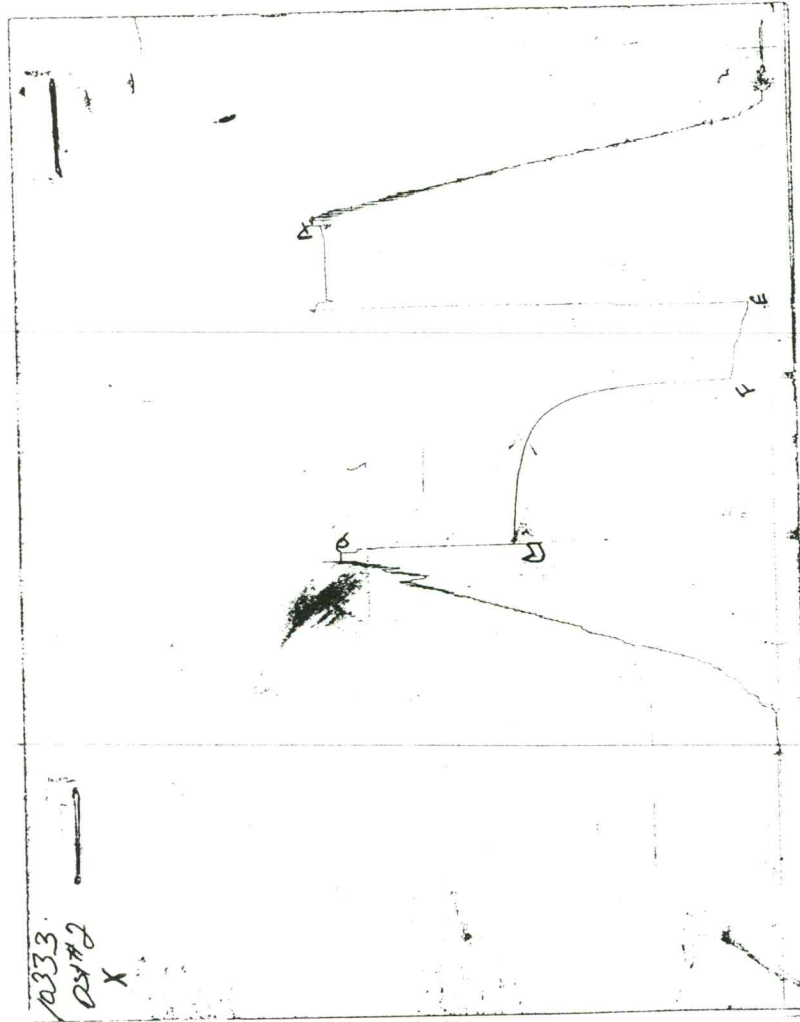
SAMPLES:

SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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.	Arden Ratzlaff
Contr.	Murfin
Rig #	20
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9096

Well Name & No. <u>Black #4-3</u>	Test No. <u>#2</u>	Date <u>1-8-97</u>
Company <u>Hugoton Energy Corp</u>	Zone Tested <u>FT. Scott</u>	
Address <u>Wichita KS</u>	Elevation <u>2991</u> KB <u>2982</u> GL	
Co. Rep / Geo. <u>Arden Ratzlaff</u>	Cont. <u>Murfin #20</u>	Est. Ft. of Pay <u>5</u> Por. <u> </u> %
Location: Sec. <u>3</u> Twp. <u>30S</u>	Rge. <u>3W</u> Co. <u>Haskell</u> State <u>KS</u>	
No. of Copies <u> </u> Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>	

Interval Tested <u>4883 - 4930</u>	Initial Str Wt./Lbs. <u>85000</u> Unseated Str Wt./Lbs. <u>85000</u>
Anchor Length <u>47'</u>	Wt. Set Lbs. <u>25000</u> Wt. Pulled Loose/Lbs. <u>7400</u>
Top Packer Depth <u>4878</u>	Hole Size — 7 7/8" <u>X</u> Rubber Size — 6 3/4" <u>X</u>
Bottom Packer Depth <u>4883</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u> </u>
Total Depth <u>4930</u>	Drill Collar — 2.25 Ft. Run <u>309'</u>
Mud Wt. <u>9.0</u> LCM <u>1</u> Vis. <u>50</u> WL <u>10.2</u>	Drill Pipe Size <u>4 1/2 X-C</u> Ft. Run <u>4588</u>
Blow Description <u>Weak Surface Blow Tool NEVER OPEN</u>	

2nd opening Strong Blow B.O.B 1 min
F.S.F. Blk off 2 in. in Blow Back

Recovery — Total Feet <u>630</u>	Ft. in DC <u>309</u>	Ft. in WP <u> </u>	Ft. in DP <u>321</u>
Rec. <u>225</u> Feet Of <u>Gas in Pipe</u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u>140</u> Feet Of <u>M.W. Shy Fro. Cap</u>	<u>25</u> %gas <u>Frothy</u> <u>10</u> %oil <u>35</u> %water <u>30</u> %mud		
Rec. <u>120</u> Feet Of <u>H.C. with M Fro Oil</u>	<u>65</u> %gas <u>10</u> %oil <u>15</u> %water <u>10</u> %mud		
Rec. <u>120</u> Feet Of <u>H Frothy Oil & M.W</u>	%gas <u>55</u> %oil <u>25</u> %water <u>20</u> %mud		
Rec. <u>250</u> Feet Of <u>Salt Water</u>	%gas <u> </u> %oil <u>100</u> %water <u> </u> %mud <u> </u>		
BHT <u>118</u> °F Gravity <u> </u> °API D@ <u> </u> °F Corrected Gravity <u> </u> °API			
RW <u>.190</u> @ <u>58.2</u> °F Chlorides <u>48,000</u> ppm Recovery Chlorides <u>1,900</u> ppm System			
(A) Initial Hydrostatic Mud <u>2406</u> PSI Recorder No. <u>10333</u> T-Started <u>9:15 AM</u>			
(B) First Initial Flow Pressure <u> </u> PSI @ (depth) <u>4886</u> T-Open <u>11:11 AM</u>			
(C) First Final Flow Pressure <u>Tool Never Open</u> PSI Recorder No. <u>1055</u> T-Pulled <u>3:40 PM</u>			
(D) Initial Shut-in Pressure <u> </u> PSI @ (depth) <u>4927</u> T-Out <u>7:00 PM</u>			
(E) Second Initial Flow Pressure <u>111</u> PSI Recorder No. <u> </u>			
(F) Second Final Flow Pressure <u>213</u> PSI @ (depth) <u> </u>			
(G) Final Shut-in Pressure <u>1375</u> PSI Initial Opening <u>30 min</u> Test <u>Conventional 1700</u>			
(H) Final Hydrostatic Mud <u>2295</u> PSI Initial Shut-in <u>60 min</u> Jars <u> </u>			

Final Flow <u>60 min</u>	Safety Joint <u>✓</u> <u>50</u>
Final Shut-in <u>120 min</u>	Straddle <u> </u>
	Circ. Sub <u>✓</u> <u>N/C</u>
	Sampler <u> </u>
	Extra Packer <u> </u>
	Elect. Rec. <u> </u>
	Other <u> </u>
	TOTAL PRICE \$ <u>750</u>

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Approved By Arden Ratzlaff
 Our Representative Mike Charleston

TRILOBITE TESTING L.L.C.

OPERATOR : Hugoton Energy Corp

DATE 1/10/97

WELL NAME: Black # 4-3

KB 2991.00 ft

TICKET NO: 9097

DST #3

LOCATION : 3-30S-34W Haskell KS

GR 2982.00 ft

FORMATION: Morrow

INTERVAL : 5231.00 To 5350.00 ft

TD 5350.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	2836	2836	10333			PF Fr. 1536 to 1606 hr
SI 60 Range(Psi)	3500.0	3500.0	4075.0	0.0	0.0	IS Fr. 1606 to 1706 hr
SF 45 Clock(hrs)	12hr	12hr	12hr			SF Fr. 1706 to 1751 hr
FS 90 Depth(ft)	5347.0	5347.0	5234.0	0.0	0.0	FS Fr. 1751 to 1921 hr

	Field	1	2	3	4	
A. Init Hydro	2485.0	2497.0	0.0	0.0	0.0	T STARTED 1315 hr
B. First Flow	136.0	187.0	0.0	0.0	0.0	T ON BOTM 1530 hr
Bl. Final Flow	145.0	171.0	0.0	0.0	0.0	T OPEN 1536 hr
C. In Shut-in	1385.0	1398.0	0.0	0.0	0.0	T PULLED 1921 hr
D. Init Flow	214.0	259.0	0.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	222.0	236.0	0.0	0.0	0.0	
F. Fl Shut-in	1377.0	1385.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2360.0	2381.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 102000.00 lbs
						Initial Str Wt 72000.00 lbs

RECOVERY

Tot Fluid	600.00 ft of	249.00 ft in DC and	351.00 ft in DP	Unseated Str Wt	75000.00 lbs
55.00	ft of Oil and Gas cut Mud	20%g 10%o 70%m		Bot Choke	0.75 in
245.00	ft of Oil and Gas cut Mud	40%g 10%o 50%m		Hole Size	7.88 in
60.00	ft of Gas and Mud cut Oil	30%g 55%o 15%m		D Col. ID	2.25 in
120.00	ft of Gassy Oil	35%g 65%o		D. Pipe ID	3.80 in
120.00	ft of Gassy Oil	60%g 40%o		D.C. Length	249.00 ft
0.00	ft of			D.P. Length	4809.00 ft
0.00	ft of				
0.00	ft of				
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow:

Strong blow, bottom of bucket in 1 1/2 mins, Gas to surface in 30 mins

Initial Shut In:

Bled off 2 inches, No blow Back

Final Flow:

Strong Blow, Bottom of bucket as soon as tool was opened {MCF @ 25.0}

Final Shut In:

Bled off 2 inches, 1/2 blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	51.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill 0.00 ft

Btm. H. Temp. 123.00 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

Tester Mike Colantonio

Co. Rep. Arden Ratzlaff

Contr. Murfin

Rig # 20

Unit #

Pump T.

Test Successful: Y

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.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 970019
Sample From: Balck 4-3 DST 3
Producer: Hugoton Energy Corp
Date:
Time:
Sampler:
Source:

Analyzed: 01/12/97
Pressure:
Temperature:
Location: 3-30-34
County: Haskell
State: Kansas
Formation: Morrow

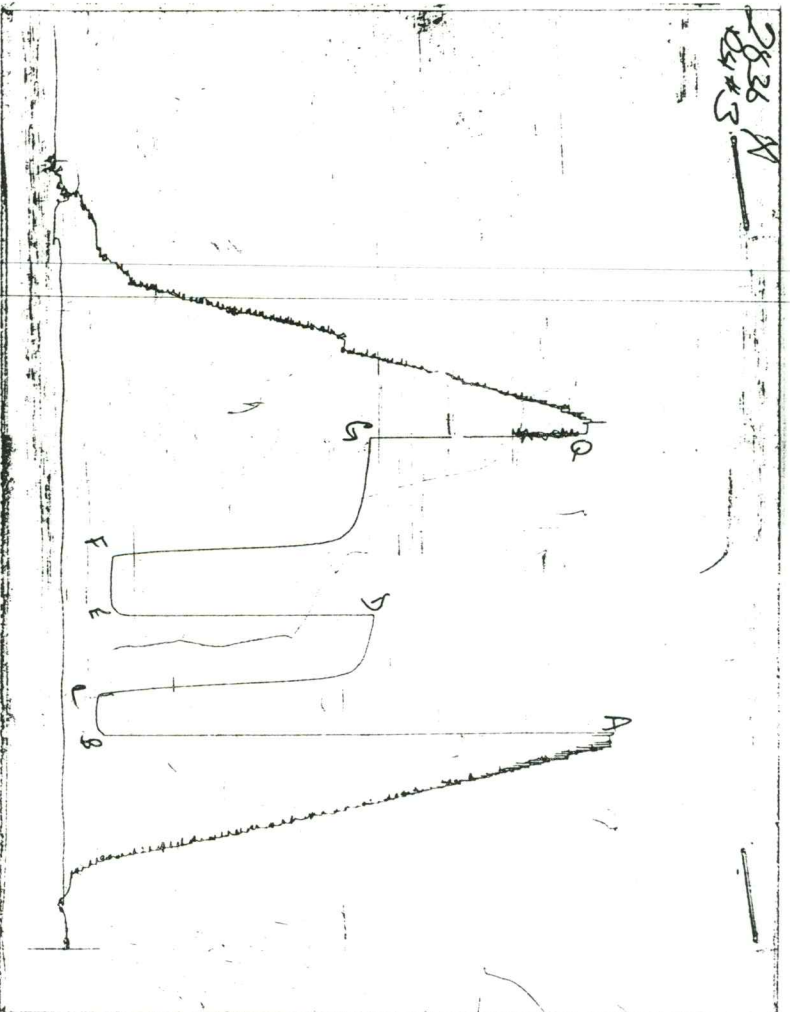
	Mole %	GPM
Helium	He: 0.178	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 11.162	0.000
Carbon Dioxide	CO2: 0.464	0.000
Methane	C1: 60.828	0.000
Ethane	C2: 11.297	3.021
Propane	C3: 9.748	2.686
Iso Butane	iC4: 1.514	0.495
Normal Butane	nC4: 2.894	0.912
Iso Pentane	iC5: 0.713	0.261
Normal Pentane	nC5: 0.822	0.298
Hexanes Plus	C6+: 0.380	0.166

TOTAL: 100.000 7.840
Z Fact: 0.9958
SP.GR.: 0.8604
BTU (SAT): 1270.0 @ 14.73 psia
BTU (DRY): 1292.5 @ 14.73 psia
OCTANE RATING: 105.5

COMMENTS:

0.000

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9097

Well Name & No.	<u>Black #4-3</u>	Test No.	<u>#3</u>	Date	<u>1-10-96</u>
Company	<u>Hugoton Energy Corp.</u>	Zone Tested	<u>Morrow</u>		
Address	<u>Wichita KS</u>	Elevation	<u>2991</u>	KB	<u>2982</u> GL
Co. Rep / Geo.	<u>Arden Ratloff</u>	Cont.	<u>Muslin #20</u>	Est. Ft. of Pay	<u>62</u> Por. <u> </u> %
Location: Sec.	<u>3</u>	Twp.	<u>30S</u>	Rge.	<u>34W</u> Co. <u>Haskell</u> State <u>KS</u>
No. of Copies	<u> </u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested 5231-5350 Initial Str Wt./Lbs. 72000 Unseated Str Wt./Lbs. 75000
Anchor Length 119' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 102,000
Top Packer Depth 5226 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
Bottom Packer Depth 5231 Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth 5350 Drill Collar — 2.25 Ft. Run 249'
Mud Wt. 9.2 LCM 1 Vis. 51 WL 8.8 Drill Pipe Size 4 1/2 x .0 Ft. Run 4809'
Blow Description Strong Blow B.O.B in 1 1/2 min C.T.S. in 30 min
1st Blk off 2in No Blow Back
2nd opening Strong Blow B.O.B. 3000 as open Tool E MCF @ 25.0
FSI Blk off 2in Had 1/2 in Blow Back

Recovery — Total Feet	<u>600</u>	Ft. in DC	<u>249</u>	Ft. in WP	<u> </u>	Ft. in DP	<u>351</u>
Rec. <u>55</u>	Feet Of	<u>oil & G-C-M</u>	<u>20</u> %gas	<u>10</u> %oil	<u> </u> %water	<u>70</u> %mud	
Rec. <u>245</u>	Feet Of	<u>oil & G-C-M</u>	<u>40</u> %gas	<u>10</u> %oil	<u> </u> %water	<u>50</u> %mud	
Rec. <u>60</u>	Feet Of	<u>G-M-cut oil</u>	<u>30</u> %gas	<u>55</u> %oil	<u> </u> %water	<u>15</u> %mud	
Rec. <u>120</u>	Feet Of	<u>Gassy oil</u>	<u>35</u> %gas	<u>65</u> %oil	<u> </u> %water	<u> </u> %mud	
Rec. <u>120</u>	Feet Of	<u>Gassy oil</u>	<u>60</u> %gas	<u>40</u> %oil	<u> </u> %water	<u> </u> %mud	
BHT <u>123</u>	°F Gravity	<u> </u>	°API D@	<u> </u>	°F Corrected Gravity	<u> </u> °API	
RW <u> </u>	@ <u> </u>	°F Chlorides	<u> </u>	ppm Recovery	Chlorides <u>2600</u>	ppm System	

(A) Initial Hydrostatic Mud	<u>2485</u>	PSI	Recorder No.	<u>10333</u>	T-Started	<u>1:15 pm</u>
(B) First Initial Flow Pressure	<u>136</u>	PSI	@ (depth)	<u>5234</u>	T-Open	<u>3:36</u>
(C) First Final Flow Pressure	<u>145</u>	PSI	Recorder No.	<u>2836</u>	T-Pulled	<u>7:21</u>
(D) Initial Shut-in Pressure	<u>1385</u>	PSI	@ (depth)	<u>5347</u>	T-Out	<u> </u>
(E) Second Initial Flow Pressure	<u>214</u>	PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u>222</u>	PSI	@ (depth)	<u> </u>		
(G) Final Shut-in Pressure	<u>1377</u>	PSI	Initial Opening	<u>30 min</u>	Test	<u>Conventional 800</u>
(H) Final Hydrostatic Mud	<u>2360</u>	PSI	Initial Shut-in	<u>60 min</u>	Jars	<u>200</u>
			Final Flow	<u>45 min</u>	Safety Joint	<u>50</u>
			Final Shut-in	<u>90 min</u>	Straddle	<u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Arden Ratloff
Our Representative Phil Stanton

Circ. Sub N/C
Sampler
Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$ 1050



GAS VOLUME REPORT

Huyton Energy Corp.
OPERATOR

Black #4-3

#3
DST NO

1st opening 675 30 min

Incl openings

Remarks:

KS: GAS WILL BURN.