

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 2-10-1996 Location 5 1/2 5/8 3/4 1-32 5-10 40 Elevation 1510 KB County Barber

Company Simon Production Company Number of Copies 5

Charts Mailed to 9320 East Central, Wichita Kansas 67206

Drilling Contractor Duke Drilling Sig #2

Length Drill Pipe 4327 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

Length Weight Pipe none I.D. Weight Pipe none Tool Joint Size none

Length Drill Collars none I.D. Drill Collars none Tool Joint Size none

Top Packer Depth 4341 Bottom Packer Depth 4346 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4346 TO 4370 ANCHOR LENGTH 24 TOTAL DEPTH 4370 Hole Size 7 7/8"

LEASE & WELL NO. Halpern #1-1 FORMATION TESTED Mississippian TEST NO. 1

Mud Weight 9.3 Viscosity 43 Water Loss 11.3 Chlorides - Pits 6000 D.S.T. 114

Maximum Temp. 114 °F Initial Hydrostatic Pressure (A) 2176 P.S.I. Final Hydrostatic Pressure (H) 2157 P.S.I.

Tool Open I.F.P. from 6:30 p.m. to 6:45 p.m. 15 min

Tool Closed I.C.I.P. from 6:45 p.m. to 7:15 p.m. 30 min

Tool Open F.F.P. from 7:15 p.m. to 8:13 p.m. 60 min

Tool Closed F.C.I.P. from 8:15 p.m. to 9:45 p.m. 90 min

Initial Blow Strong blow bottom of the bucket in 1 min. & decreased to fair blow

Final Blow Fair blow - built to the bottom of a 12 inch bucket in 16 minutes

Total Feet Recovered 15 Gravity of Oil _____ Corrected

15 Feet of Drilling Mud % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks Gas to surface during the final shut in

Extra Equipment - Jars none Safety Joint none Extra Packer none Straddle none Hook Wall none

Top Recorder No. Electron Clock No. 4744 Depth 4363 Cir. Sub none Sampler none

Bottom Recorder No. 11088 Clock No. 4744 Depth 4367 Insurance none

Price of Job _____

Tool Operator Gene Ludwig

Approved By _____

No 11255

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to 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.

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

HALPEN #1-1 MISSISSIPPI

State **KANSAS**

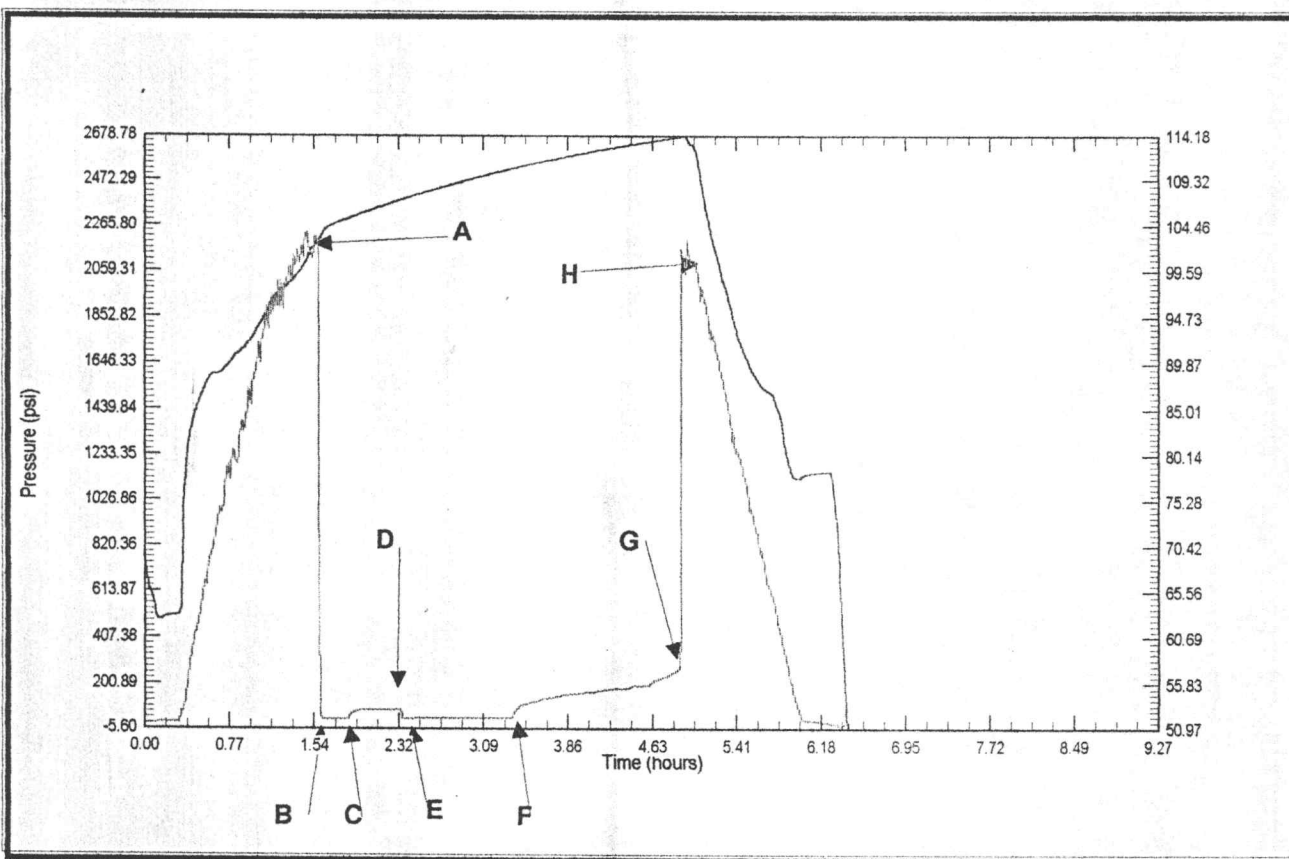
Test Date **February 10, 1996**

County **BARBER**

Sec Town Range **S/E-S/E-SW 1-32S-10**

Field **WILDCAT**

Report Number **11255**



Field Reading

Office Reading

(A) ial Hydrostatic Pressure	2176	psi
(B) Initial Flow Pressure	37	psi
(C) nal Initial Flow Pressure	37	psi
(D) Initial Shut-In Pressure	82	psi
(E) itial Final Flow Pressure	38	psi
(F) Final Flow Pressure	42	psi
(G) Final Shut-In Pressure	281	psi
(H) ial Hydrostatic Pressure	2157	psi

Mechanical Recorder Depth 4367 ft, Recorder Number 11087

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name BISON PRODUCTION COMPANY
Lease and Well Number HALPEN #1-1 _____
Formation Tested MISSISSIPPI
Test Number 1
State KANSAS
County BARBER
Field WILDCAT
Test Date 10-Feb-96
Section Town Range S/E-S/E-S/W 1-32S-10W
Report Number 11255
Elevation Ground Level 1502
Elevation Kelly Bushings 1510
Company Representative DEAN PATTISSON
Testing Engineer GENE BUDIG

Extra Equipment

Jars No
Safety Joint No
Extra Packs No
Straddle No
Hook Wall No
Sampler No
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor DUKE DRILLING RIG #2
Drill Pipe Length 4327
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.3+
Viscosity 43.00
Water Loss 11.2
Chlorides - Pits 6,000
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Tool Setting Information

Top Packer Depth 4341
Bottom packer Depth 4346
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 4346
Test Interval (to) 4370.00
Anchor Length 24
Total Depth (ft) 4370
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	114	
Initial Hydrostatic Pressure	2176	
Initial Flow Pressure	37	
Final Initial Flow Pressure	37	
Initial Shut-In Pressure	82	
Initial Final Flow Pressure	38	
Final Flow Pressure	42	
Final Shut-In Pressure	281	
Final Hydrostatic Pressure	2157	
Mechanical Recorder Depth (ft)	4367	
Recorder Number	11087	
Electronic Recorder Depth	4363	
Recorder Number	78225	

Comments

GAS TO SURFACE DURING THE FINAL SHUT-IN PERIOD

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Flow Times

Initial Open

Tool Open (from) 6:30
 Tool Open (to) 6:45
 Duration (min) 15

Initial Shut-in

Tool Closed (from) 6:45
 Tool Closed (to) 7:15
 Duration (min) 30

Final Open

Tool Open (from) 7:15
 Tool Open (to) 8:15
 Duration (min) 60

Final Shut-in

Tool Closed (from) 8:15
 Tool Closed (to) 9:45
 Duration (min) 90

Recovery Description

Initial Blow STRONG BLOW-BOTTOM OF THE BUCKET IN 1 MIN.
 DECREASING TO A FAIR BLOW

Final Blow FAIR BLOW BUILT TO THE BOTTOM OF A 12 INCH
 BUCKET IN 16 MINUTES

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) DRILLING MUD	15	0	0	100	0
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	15				

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 2-11-1996 Location S/E-S/E-S/W 1-32-10^W Elevation 1510 K.B. County Salter

Company Prison Production Company Number of Copies _____

Charts Mailed to 9300 East Central Wichita Kansas 67206

Drilling Contractor Duke Drilling Sig #2

Length Drill Pipe 4338 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 4"

Length Weight Pipe none I.D. Weight Pipe none Tool Joint Size none

Length Drill Collars none I.D. Drill Collars none Tool Joint Size none

Top Packer Depth 4381 Bottom Packer Depth 4386 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4386 TO 4401 ANCHOR LENGTH 15 TOTAL DEPTH 4401 Hole Size 7 1/8"

LEASE & WELL NO. Halpern #1-1 FORMATION TESTED Mississippi TEST NO. 2

Mud Weight 9.25 Viscosity 43 Water Loss 11.4 Chlorides - Pits 6000 D.S.T. _____

Maximum Temp. 116 °F Initial Hydrostatic Pressure (A) 2198 P.S.I. Final Hydrostatic Pressure (H) 2156 P.S.I.

Tool Open I.F.P. from 7:30 Am to 7:45 Am 15 min

Tool Closed I.C.I.P. from 7:45 Am to 8:00 Am 30 min

Tool Open F.F.P. from 8:15 Am to 9:15 Am 60 min

Tool Closed F.C.I.P. from 9:15 Am to 10:45 Am 90 min

Initial Blow Strong blow - built to the bottom of a 12 inch bucket in 30 seconds

Final Blow Strong blow - Gas to Surface in 13 minutes - See Lab Report

Total Feet Recovered 55 Gravity of Oil _____ Corrected _____

55 Feet of mud with a trace of oil 5% Gas Trace % Oil 70 % Mud 25 % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

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Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

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Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks _____

Extra Equipment - Jars none Safety Joint none Extra Packer none Straddle none Hook Wall none

Top Recorder No. 78225 Clock No. Electronic Depth 4394 Cir. Sub none Sampler none

Bottom Recorder No. 11088 Clock No. 47441 Depth 4398 Insurance none

Price of Job _____

Tool Operator Glenn Budig

Approved By _____

No 11256

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of 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.

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

GAS FLOW REPORT

Date 2-11-1996 Ticket # 11256 Company Lison Production Company
Well Name and No. Halpern #1-1 DST No. 2 Interval Tested 4386-4401
County Barber State Kansas Sec. 1 Twp. 32^s Rg. 10^w

Time Gauge Pre-Flow	Time Gauge in Min.	Inches of Water on Orifice Well Tester	Inches of Mercury on Orifice Well Tester	P.S.I. on Orifice Well Tester	P.S.I. on Pitot Tester	Choke Size	Gas Rate MCF
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PRE FLOW

SECOND FLOW

8:15	tool open						
8:28	gas to surface						
8:30	15	9				1/4	5.050
8:40	25	30				1/4	9.200
8:50	35	8				3/8	10.100
9:00	45	8				3/8	10.100
9:10	55	8				3/8	10.100
9:15	60	8				3/8	10.100
						3/8	10.100

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____ Test Ticket # _____

Requisition and Provisions for high pressure steel gas bottles. Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Superior Testers Enterprises, Inc. within thirty (30) days free of charge or be invoiced in the amount of \$125.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2 % per month, equal to 18% interest rate, added within 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

HALPEN #1-1 MISSISSIPPI

State KANSAS

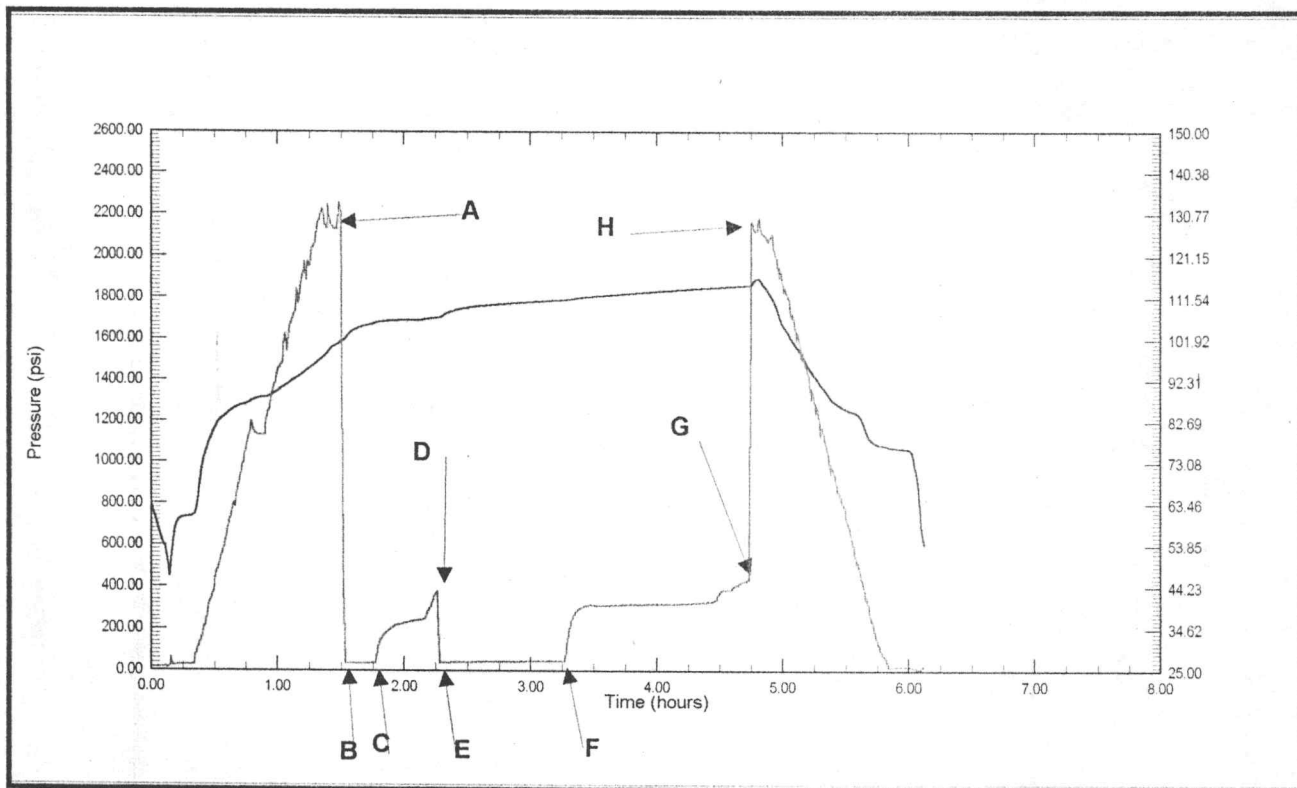
County . BARBER

Field WILDCAT

Test Date February 11, 1996

Sec Town Range S/E/SE/S/W 1-32S-10W

Report Number 1111256



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	2198	psi
(B)	Initial Flow Pressure	37	psi
(C)	Final Initial Flow Pressure	38	psi
(D)	Initial Shut-In Pressure	383	psi
(E)	Initial Final Flow Pressure	41	psi
(F)	Final Flow Pressure	48	psi
(G)	Final Shut-In Pressure	441	psi
(H)	Final Hydrostatic Pressure	2156	psi

Mechanical Recorder Depth 4398 ft, Recorder Number 11088

Company: BISON PRODUCTION COMPANY Lease-Well No: HALPEN #1-1 Test #: 2 Date: 2-11-1996 Sec. 1 TWP. 32S RGE. 10W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name BISON PRODUCTION COMPANY
Lease and Well Number HALPEN #1-1 _____
Formation Tested MISSISSIPPI
Test Number 2
State KANSAS
County BARBER
Field WILDCAT
Test Date 11-Feb-96
Section Town Range S/E/SE/S/W 1-32S-10W
Report Number 1111256
Elevation Ground Level 1502
Elevation Kelly Bushings 1510
Company Representative DEAN PATTISSON
Testing Engineer GENE BUDIG

Extra Equipment

Jars No
Safety Joint No
Extra Packes No
Straddle No
Hook Wall No
Sampler No
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor DUKE DRILLING RIG #2

Drill Pipe Length 4358
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.30
Viscosity 52.00
Water Loss 9,6
Chlorides - Pits 5,000
Chlorides - DST 9,000

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Tool Setting Information

Top Packer Depth 4381
Bottom packer Depth 4386
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 4386
Test Interval (to) 4401.00
Anchor Length 15
Total Depth (ft) 4401
Hole Size (in) 7 7/8

Pressure Readings

	Field Reading	Office Reading
Maximum Temp	116	
Initial Hydrostatic Pressure	2198	
Initial Flow Pressure	37	
Final Initial Flow Pressure	38	
Initial Shut-In Pressure	383	
Initial Final Flow Pressure	41	
Final Flow Pressure	48	
Final Shut-In Pressure	441	
Final Hydrostatic Pressure	2156	
Mechanical Recorder Depth (ft)	4398	
Recorder Number	11088	
Electronic Recorder Depth	4394	
Recorder Number	78225	

Comments

1ST SHUT-IN BUILD UPS 1ST-307 2ND 356 3RD 370 4TH AND FINAL 383
2ND SHUT-IN BUILD UPS 1ST 330 2ND 343 3RD 387 4TH 409 5TH 428 6TH AND FINAL 441

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Flow Times

Initial Open

Tool Open (from) 7:30
 Tool Open (to) 7:45
 Duration (min) 15

Initial Shut-in

Tool Closed (from) 7:45
 Tool Closed (to) 8:15
 Duration (min) 30

Final Open

Tool Open (from) 8:15
 Tool Open (to) 9:15
 Duration (min) 60

Final Shut-in

Tool Closed (from) 9:15
 Tool Closed (to) 10:45
 Duration (min) 90

Recovery Description

Initial Blow STRONG BLOW BUILT TO THE BOTTOM OF A 12 INCH
 BUCKET IN 30 SECONDS

Final Blow STRONG BLOW-GAS TO SURFACE IN 13 MINUTES
 SEE GAS FLOW REPORT

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) MUD WITH A SLIGHT TRACE OF OIL	55		5 TRACE	70	25
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	55				

SUPERIOR TESTERS ENTERPRISES INC.**Great Bend, KS****GAS FLOW RATE**

(316) 792-6902

HALPEN #1-1 MISSISSIPPI**State** KANSAS**Test Date** February 11, 1996**County** BARBER**Sec Town Range** S/E/SE/S/W 1-32S-10W**Field** WILDCAT**Report Number** 11256**Initial Flow**

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
GAS TO SURFACE IN 13 MINUTES INTO THE 2ND FLOW PERIOD							

Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPEN	8:15:00	0					
GAS-	8:28:00	13					
	8:30:00	15	9.00			0.25	5.1
	8:40:00	25	30.00			0.25	9.2
	8:50:00	35	8.00			0.38	10.1
	9:00:00	45	8.00			0.38	10.1
	9:10:00	55	8.00			0.38	10.1
	9:15:00	60	8.00			0.38	10.1