Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

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Date 03-01-2003 Location 8-22-12 Elevation 1879KB 1870GL County Stafford

Company Harris Oil & Gas Company Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2390 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3679 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH

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 3700 Bottom Packer Depth 3708-3713 Number of Packers 2 3 Packer Size 6¾"

TESTED FROM 3700 TO 3708 ANCHOR LENGTH 8 TOTAL DEPTH 3840 Hole Size 7⅞

LEASE & WELL NO. Charles "A" #1-8 FORMATION TESTED Arbuckle TEST NO. 6

Mud Weight 9.2 Viscosity 39 Water Loss 10.4 Chlorides - Pits 6000 D.S.T. 14000

Maximum Temp. 117 F Initial Hydrostatic Pressure (A) 1875 P.S.I. Final Hydrostatic Pressure (H) 1820 P.S.I

Tool Open I.F.P. from 3:45 Am to 4:15 Am 30 min

Tool Closed I.C.I.P. from 4:15 Am to 5:00 Am 45 min

Tool Open F.F.P. from 5:00 Am to 5:45 Am 45 min

Tool Closed F.C.I.P. from 5:45 Am to 7:15 Am 90 min

from [B]	252 P.S.I. to [C]	895	P.S.I.
[D]	1245		P.S.I.
from [E]	950 P.S.I. to [F]	1224	P.S.I
[G]	1248		P.S.I.

Initial Blow Good blow bottom of a 5 Gallon bucket in 45 seconds

Final Blow Good blow bottom of a 5 Gallon bucket in 1½ minutes

Total Feet Recovered 2950 Gravity of Oil _____ Corrected

2950 Feet of [redacted] water with 2-4 inches of	%Gas	%Oil	%Mud	%Wate
Feet of Oil on the Joey TOP CHLORIDES	%Gas	%Oil	%Mud	%Wate
Feet of 14000	%Gas	%Oil	%Mud	%Wate
Feet of	%Gas	%Oil	%Mud	%Wate
Feet of Circ water out	%Gas	%Oil	%Mud	%Wate
Feet of	%Gas	%Oil	%Mud	%Wate
Feet of	%Gas	%Oil	%Mud	%Wate
Feet of	%Gas	%Oil	%Mud	%Wate
Feet of	%Gas	%Oil	%Mud	%Wate

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Extra Equipment - Jars yes Safety Joint yes Extra Packer yes 2nd Straddle yes Hook Wall none

Top Recorder No. 80507 Clock No. Electronic Depth 3695 Cir. Sub none Sampler none

Bottom Recorder No. 13205 Clock No. 47441 Depth 3837 Insurance none

Price of Job _____

Tool Operator Dave Buddy

Approved By _____

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.

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Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 02-27-2003 Location 8-22S-12W Elevation 1879KB 1870GL County Stafford

Company Harris Oil & Gas Company Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3650 I.D. Drill Pipe 3.80 Tool Joint Size 4½" X.H.

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 3677 Bottom Packer Depth 3682 Number of Packers 2 Packer Size 6¾"

TESTED FROM 3682 TO 3688 ANCHOR LENGTH 6 TOTAL DEPTH 3688 Hole Size 7⅞"

LEASE & WELL NO. Charles "A" #1-8 FORMATION TESTED Arbuckle TEST NO. 5

Mud Weight 9.2 Viscosity 41 Water Loss 11.2 Chlorides - Pits 5400 D.S.T. 24000

Maximum Temp. 117 °F Initial Hydrostatic Pressure (A) 1827 P.S.I. Final Hydrostatic Pressure (H) 1753 P.S.I.

Tool Open I.F.P. from 6:45 m to 7:15 m 30 min

Tool Closed I.C.I.P. from 7:15 m to 8:00 m 45 min

Tool Open F.F.P. from 8:00 m to 9:00 m 60 min

Tool Closed F.C.I.P. from 9:00 m to 10:30 m 90 min

from [B] 52 P.S.I. to [C] 132 P.S.I.

[D] 1242 P.S.I.

from [E] 160 P.S.I. to [F] 415 P.S.I.

[G] 1241 P.S.I.

Initial Blow Fair blow built to the bottom of a 5 Gallon Bucket in 9 minutes

Final Blow Fair blow built to the bottom of a 5 Gallon Bucket in 9 minutes

Total Feet Recovered 880 Gravity of Oil 39 Corrected

40	Feet of CLEAN Gassy Oil Gravity 39 corrected	%Gas	%Oil	%Mud	%Water
120	Feet of Oil & Gas cut muddy water	10 %Gas	7 %Oil	28 %Mud	55 %Water
120	Feet of SLIGHTLY oil & Gas cut water	4 %Gas	6 %Oil	1 %Mud	89 %Water
180	Feet of SLIGHTLY Oil & Gas cut water	4 %Gas	2 %Oil	1 %Mud	93 %Water
180	Feet of VERY SLIGHTLY Oil & Gas cut WATER	2 %Gas	1 %Oil	1 %Mud	96 %Water
240	Feet of WATER CHLORIDES 24000	2 %Gas	TRACE %Oil	0 %Mud	98 %Water
425	Feet of Gas in the Pipe	%Gas	%Oil	%Mud	%Water
	Feet of	%Gas	%Oil	%Mud	%Water
	Feet of	%Gas	%Oil	%Mud	%Water

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Remarks

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 8050? Clock No. Electronic Depth 3681 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 3685 Insurance NONE

Price of Job

Tool Operator Dave Ludwig

Approved By

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.

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Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

Date 02-27-2003 Location 8-22S-12W Elevation 1879 KB 1870 GL County Stafford
Company Harris Oil & Gas Company Number of Copies 5
Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202
Drilling Contractor Duke Drilling Rig #8
Length Drill Pipe 3591 I.D. Drill Pipe 3.80 Tool Joint Size 4½" XH
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 3613 Bottom Packer Depth 3618 Number of Packers 2 Packer Size 6¾"
TESTED FROM 3618 TO 3684 ANCHOR LENGTH 66 TOTAL DEPTH 3684 Hole Size 7⅞"
LEASE & WELL NO. Charles "A" #1-8 FORMATION TESTED Viola & Arbuckle TEST NO. 4
Mud Weight 9.4 Viscosity 46 Water Loss 8.8 Chlorides - Pits 4800 D.S.T.
Maximum Temp. ~~90~~ 108 F Initial Hydrostatic Pressure (A) 1853 P.S.I. Final Hydrostatic Pressure (H) 1759 P.S.I.

Tool Open I.F.P. from 5:45 Am to 6:30 Am ~~45~~ min
Tool Closed I.C.I.P. from ~~6:30~~ Am to 7:15 Am 45 min
Tool Open F.F.P. from 7:15 Am to 8:15 Am 60 min
Tool Closed F.C.I.P. from 8:15 Am to 9:15 Am 60 min

from [B]	68 P.S.I.	to [C]	95 P.S.I.
[D]	179 P.S.I.		
from [E]	116 ~~129~~ P.S.I.	to [F]	149 P.S.I
[G]	208 P.S.I.		

Initial Blow WEAK building blow built to 12 inches into the water
Final Blow WEAK building blow built to 9 inches into the water
Total Feet Recovered 100 Gravity of Oil ____ Corrected

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150 Feet of	Gas in the Pipe	%Gas	%Oil	%Mud	%Water
~~60~~ Feet of	Oil Cut mud	0 %Gas	10 %Oil	90 %Mud	0 %Water
~~90~~ Feet of	Gas & oil cut mud	12 %Gas	5 %Oil	83 %Mud	0 %Water
____ Feet of	There was Appox 4-6 inches of	%Gas	%Oil	%Mud	%Water
____ Feet of	Clean oil on the very top	%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 YES Safety Joint YES Extra Packer None Straddle None Hook Wall None
Top Recorder No. 8050T Clock No. Electronic Depth 3677 Cir. Sub None Sampler None
Bottom Recorder No. 13208 Clock No. 47441 Depth 3681 Insurance None

Price of Job
Tool Operator
Approved By

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.

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Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

te 02-26-2003 Location 8-22S-12W Elevation 1879KB 1870GL County Stafford

mpany Harris Oil & Gas Company Number of Copies 5

arts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

illing Contractor Duke Drilling Rig #8

ngth Drill Pipe 3379 I.D. Drill Pipe 3.80 Tool Joint Size 4½" X 16

ngth Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

ngth Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

p Packer Depth 3395 Bottom Packer Depth 3400 Number of Packers 2 Packer Size 6¾"

STED FROM 3400 TO 3463 ANCHOR LENGTH 63 TOTAL DEPTH 3463 Hole Size 7⅞"

ASE & WELL NO. CHARLES "A" #1-8 FORMATION TESTED Lansing "G-H" TEST NO. 3

ud Weight 9 Viscosity 44 Water Loss 8.8 Chlorides - Pits 4300 D.S.T.

aximum Temp. 100 °F Initial Hydrostatic Pressure (A) 1708 P.S.I. Final Hydrostatic Pressure (H) 1724 P.S.I.

ol Open I.F.P. from 5:45 Am to 6:00 Am 15 min
ol Closed I.C.I.P. from 6:00 Am to 6:15 Am 15 min
ol Open F.F.P. from 6:15 Am to 6:20 Am 5 min
ol Closed F.C.I.P. from 6:20 Am to 6:50 Am 30 min

from [B]	65 P.S.I.	to [C]	71 P.S.I.
[D]	850 P.S.I.		
from [E]	73 P.S.I.	to [F]	75 P.S.I.
[G]	943 P.S.I.		

itial Blow WEAK surface blow for 12 minutes & DIED

nal Blow WEAK suface blow for 3 minutes & DIED

tal Feet Recovered 30 Gravity of Oil ____ Corrected

30 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
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___ Feet of ___ %Gas ___ %Oil ___ %Mud ___ %Water

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xtra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

p Recorder No. 80507 Clock No. Electronic Depth 3456 Cir. Sub NONE Sampler NONE

ttom Recorder No. 11088 Clock No. 47441 Depth 3460 Insurance NONE

ice of Job

ol Operator Gene Budig

pproved By

No 12354

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R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

ORIGINAL

Date 8 25 03 Location 3 - 22S - 16W Elevation 1978 KB 1920 GL County Stafford

Company Harris Oil & Gas Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3307 I.D. Drill Pipe 3.80 Tool Joint Size 4½ XH

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

Length Drill Collars ~~180~~ None I.D. Drill Collars ~~2.25~~ None Tool Joint Size ~~4½ XH~~ None

Top Packer Depth 3323 Bottom Packer Depth 3328 Number of Packers 2 Packer Size 6¾

TESTED FROM 3328 TO 3403 ANCHOR LENGTH 75 TOTAL DEPTH 3403 Hole Size 7⅞

LEASE & WELL NO. Charles A-1-8 FORMATION TESTED Lansing 'A'-'F' TEST NO. 2

Mud Weight 9.1 Viscosity 44 Water Loss 8.8 Chlorides - Pits 4300 D.S.T.

Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1691 P.S.I. Final Hydrostatic Pressure (H) 1615 P.S.I

Tool Open I.F.P. from 140 f m to 210 f m 30 min

Tool Closed I.C.I.P. from 210 f m to 255 f m 45 min

Tool Open F.F.P. from ~~210~~ 255 m to 340 f m min

Tool Closed F.C.I.P. from 340 f m to 440 f m min

from [B]	82	P.S.I. to [C]	79 P.S.I.
[D]	959		P.S.I.
from [E]	86	P.S.I. to [F]	94 P.S.I
[G]	953		P.S.I.

Initial Blow Strong Blow off Bottom of Bucket 2

Final Blow Strong Blow built to the bottom of a 5 Gallon Bucket in 1 minute

Total Feet Recovered 90 with Gas to Surface in 31 minutes Gravity of Oil Correcte

Feet of	to small to measure	%Gas	%Oil	%Mud	%Wate
~~0~~ Feet of		%Gas	%Oil	%Mud 0	%Wate
45 Feet of	Slightly Oil cut mud	0 %Gas	2 %Oil	98 %Mud	0 %Wate
45 Feet of	Gassy Oily mud	37 %Gas	18 %Oil	45 %Mud	0 %Wate
Feet of		%Gas	%Oil	%Mud	%Wate
Feet of		%Gas	%Oil	%Mud	%Wate
Feet of		%Gas	%Oil	%Mud	%Wate
Feet of		%Gas	%Oil	%Mud	%Wate
Feet of		%Gas	%Oil	%Mud	%Wate

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Remarks

Extra Equipment - Jars Yes Safety Joint Yes Extra Packer None Straddle None Hook Wall None

Top Recorder No. 8050T Clock No. Electronic Depth 3996 Cir. Sub Sampler None

Bottom Recorder No. 13208 Clock No. 42441 Depth 3400 Insurance None

Price of Job

Tool Operator Dave Budig

Approved By

No 12353

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Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 2-21-2003 Location 8-22S-12W Elevation 1979KB 1870GL County Stafford

Company Haeefs Oil & Gas Company Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 1433 I.D. Drill Pipe 3.80 Tool Joint Size 4½" X.H.

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

Length Drill Collars 180 I.D. Drill Collars 2.25 Tool Joint Size 4½" X.H.

Top Packer Depth 1635 Bottom Packer Depth 1640 Number of Packers 2 Packer Size 6¾"

TESTED FROM 1640 TO 1770 ANCHOR LENGTH 130 TOTAL DEPTH 1770 Hole Size 7⅞

LEASE & WELL NO. Charles A 1-8 FORMATION TESTED Heebner-Kinder-Winfield TEST NO. 1

Mud Weight 9.1 Viscosity 31 Water Loss N/C Chlorides - Pits 90000 D.S.T.

Maximum Temp. 79 °F Initial Hydrostatic Pressure (A) 876 P.S.I. Final Hydrostatic Pressure (H) 874 P.S.I.

Tool Open I.F.P. from 9:45 pm to 10:15 pm 30 min

Tool Closed I.C.I.P. from 10:15 pm to 11:00 pm 45 min

Tool Open F.F.P. from 11:00 pm to 11:30 pm 30 min

Tool Closed F.C.I.P. from 11:30 pm to 12:30 pm 60 min

from [B]	108 P.S.I.	to [C]	139 P.S.I.
[D]	446 P.S.I.		
from [E]	158 P.S.I.	to [F]	176 P.S.I.
[G]	438 P.S.I.		

Initial Blow Built to 3½ inches Decreased to a weak surface blow

Final Blow Built to 2 inches Decreased & Died in 18 minutes

Total Feet Recovered _____ Gravity of Oil _____ Corrected

_____ 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

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Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 8050 Clock No. Electronic Depth 1763 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 1767 Insurance NONE

Price of Job _____

Tool Operator Gene Bunkley

Approved By _____

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