

15-129-21582

CONFIDENTIAL

24-325-41w

ORIGINAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

3402KB

Date 2-25-1999 Location 200% C-S. Sw 24-32-41w Elevation 3392 G.L. County MortonCompany Harris Oil & Gas Company Number of Copies 5Charts Mailed to 1125 17th Street Suite 2290 DENVER COLORADO 80202Drilling Contractor Allen Drilling Rig #2Length Drill Pipe 4549 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X. H.Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONELength Drill Collars 488 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X. H.Top Packer Depth 5065 Bottom Packer Depth 5065 Number of Packers 802 Packer Size 16 3/4TESTED FROM 5065 TO 5105 ANCHOR LENGTH 40 TOTAL DEPTH 5105 Hole Size 7 7/8LEASE & WELL NO. Johas #1 B24 FORMATION TESTED Moran G1 Sand TEST NO. 1Mud Weight 9.1 Viscosity 54 Water Loss 89 Chlorides - Pits 1000 D.S.T. _____Maximum Temp. 128 °F Initial Hydrostatic Pressure (A) 2472 P.S.I. Final Hydrostatic Pressure (H) 2406 P.S.I.Tool Open I.F.P. from 6:45 P.m to 7:00 P.m 15 minTool Closed I.C.I.P. from 7:00 P.m to 7:30 P.m 30 minTool Open F.F.P. from 7:30 P.m to 7:45 P.m 15 minTool Closed F.C.I.P. from 7:45 P.m to 8:15 P.m 30 minInitial Blow VERY WEAK SURFACE BLOW FOR 6 minutes & DIEDFinal Blow NO BLOWTotal Feet Recovered 20 Gravity of Oil _____ Corrected _____20 Feet of Drilling Mud NO SHOWS OF GAS OR OIL %Gas _____ %Oil _____ %Mud _____ %Water _____

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

Feet of RELEASED %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 _____

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONETop Recorder No. 78225 Clock No. Electronic Depth 5098 Cir. Sub NONE Sampler YESBottom Recorder No. 5463 Clock No. 47441 Depth 5102 Insurance NONE

Price of Job _____

Tool Operator Steve Rudy

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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ORIGINAL

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

JOHNS #1-1324 MORROW G-1 SAND

State KANSAS

Test Date February 25, 1999

County

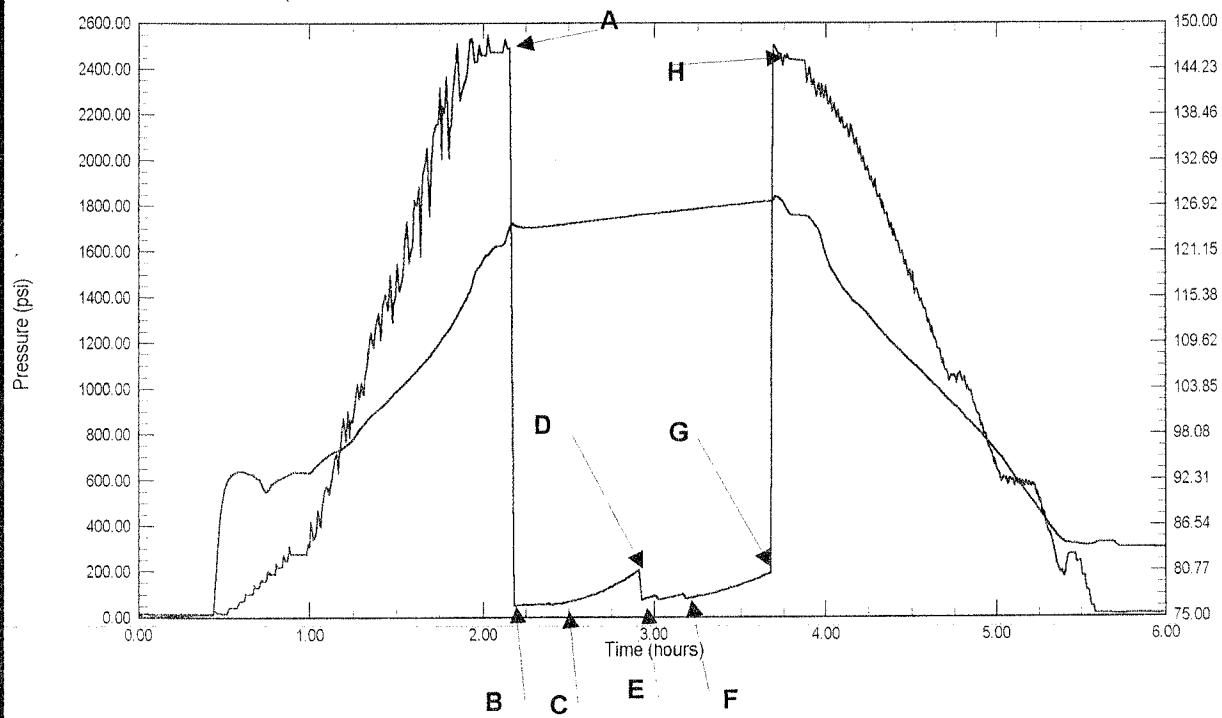
Sec Town Range 200'W C-S/W-S/W 24-

Field

Report Number 11006

Company: HARRIS OIL AND GAS COMPANY
Lease & Well No. JOHNS #1-134 Test # 1 Date: 2-25-999
SEC.
24 TWP. 38S RGE. 41W

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Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	2472	psi
(B)	Initial Flow Pressure	59	psi
(C)	Final Initial Flow Pressure	56	psi
(D)	Initial Shut-In Pressure	204	psi
(E)	Initial Final Flow Pressure	80	psi
(F)	Final Flow Pressure	83	psi
(G)	Final Shut-In Pressure	192	psi
(H)	Final Hydrostatic Pressure	2406	psi

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ELECTRONIC REECORDER DEPTH 5098ft. RECORDER NUMBER 18225

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 HARRIS OIL AND GAS COMPANY
 Lease and Well Number JOHNS #1-1324
 Formation Tested MORROW G-1 SAND
 Test Number 1
 State KANSAS
 County MORTON
 Field
 Test Date 25-Feb-99
 Section Town Range 200'W C-S/W-S/W 24-32S-41W
 Report Number 11006
 Elevation Ground Level 3392
 Elevation Kelly Bushings 3402
 Company Representative TOMMYE DISEKER
 Testing Engineer GENE BUDIG

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Extra Equipment

Jars YES
 Safety Joint YES
 Extra Packers NO
 Straddle NO
 Hook Wall NO
 Sampler YES
 Circulating Sub NO
 Electronic Recorder YES

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Well Information

Drilling Contractor ALLEN DRILLING RIG #2
 Drill Pipe Length 4549
 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 488
 Drill Collar I.D. 2.25
 Tool Joint Size 4 1/2 X.H.
 Mud Weight #/gal 9.10
 Viscosity 54
 Water Loss 8
 Chlorides - Pits 1,000
 Chlorides - DST

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SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 5060
 Bottom packer Depth 5065
 Number of Packers 2
 Packer Size 6 3/4

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Test Interval (from) 5065
 Test Interval (to) 5105
 Anchor Length 40
 Total Depth (ft) 5105
 Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	128	
Initial Hydrostatic Pressure	2472	
Initial Flow Pressure	59	
Final Initial Flow Pressure	56	
Initial Shut-In Pressure	204	
Initial Final Flow Pressure	80	
Final Flow Pressure	83	
Final Shut-In Pressure	192	
Final Hydrostatic Pressure	2406	
Electronic Recorder Depth	5098	
Recorder Number	78225	
Mechanical Recorder Depth	5102	
Recorder Number	5463	

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Comments

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SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Flow Times

Initial Open

Tool Open (from) 6:45
 Tool Open (to) 7:00
 Duration (min) 15

Initial Shut-in

Tool Closed (from) 7:00
 Tool Closed (to) 7:30
 Duration (min) 30

Final Open

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

Final Shut-in

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

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Recovery Description

Initial Blow VERY WEAK SURFACE BLOW FOR 6 ,MINUTES AND DIED

Final Blow NO BLOW

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) DRILLING MUD	20				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	20				

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SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Sample Chamber

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Oil (cc) 0
Water (cc) 0
Mud (cc) 2200
Gas Volume (cc) 0
Total Volume (cc) 2200
Sampler Capacity (cc) 2200
Sample Pressure (psig) 10

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FROM CONFIDENTIAL

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Superior Testers Enterprises, Inc. ORIGINAL

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

(316) 792-6902

Date 2-26-1999 Location 200% C-40 2432' 41" Elevation 3402 K.B. County MonteCompany Harris Oil & Gas Company Number of Copies 5Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202Drilling Contractor Allen Drilling Rig #5Length Drill Pipe 4631 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11/16"Length Weight Pipe None I.D. Weight Pipe None Tool Joint Size NoneLength Drill Collars 488 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11/16"Top Packer Depth 5141 Bottom Packer Depth 5146 Number of Packers 2 Packer Size 6 3/4"TESTED FROM 5146 TO 5240 ANCHOR LENGTH 94 TOTAL DEPTH 5240 Hole Size 7 1/8"LEASE & WELL NO. Johns-1324 FORMATION TESTED Mccormick's TEST NO. 2Mud Weight 8.7 Viscosity 53 Water Loss 7.8 Chlorides - Pits 800 D.S.T. 92000Maximum Temp. 138°F Initial Hydrostatic Pressure (A) 2487 P.S.I. Final Hydrostatic Pressure (H) 2475 P.S.I.Tool Open I.F.P. from 9:00 Pm to 9:30 Pm 30 minTool Closed I.C.I.P. from 9:30 Pm to 10:30 Pm 60 minTool Open F.F.P. from 10:30 Pm to 11:30 Pm 60 minTool Closed F.C.I.P. from 11:30 Pm to 12:30 Pm 60 minInitial Blow Fair blow built to the bottom of a 5 gallon bucket in 1 1/2 minutesFinal Blow weak blow built to 4 inches into the water. Decreased E.D.D. in 25 min.Total Feet Recovered 1350 Gravity of Oil _____ Corrected _____150 Feet of Drilling Mud % Gas _____ % Oil _____ % Mud _____ % Water _____180 Feet of Gas cut watery mud % Gas _____ % Oil _____ % Mud _____ % Water _____180 Feet of Gas cut muddy water % Gas _____ % Oil _____ % Mud _____ % Water _____180 Feet of Gas cut SLIGHTLY muddy water % Gas _____ % Oil _____ % Mud _____ % Water _____660 Feet of Gas cut water CHLORIDES 92000 % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

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

Remarks CONFIDENTIAL (FROM CONFIDENTIAL)Extra Equipment - Jars YES Safety Joint YES Extra Packer None Straddle None Hook Wall NoneTop Recorder No. 78225 Clock No. Electron Depth 5234 Cir. Sub None Sampler NoneBottom Recorder No. 5463 Clock No. 47441 Depth 5237 Insurance None

Price of Job _____

Tool Operator Steve Budwig

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.

SUPERIOR TESTERS ENTERPRISES INC.

ORIGINAL

Great Bend, Kansas

CHART DATA

(316) 792-6902

JOHNS #1324 MORROW AND KEYS

State KANSAS

Test Date February 26, 1999

County

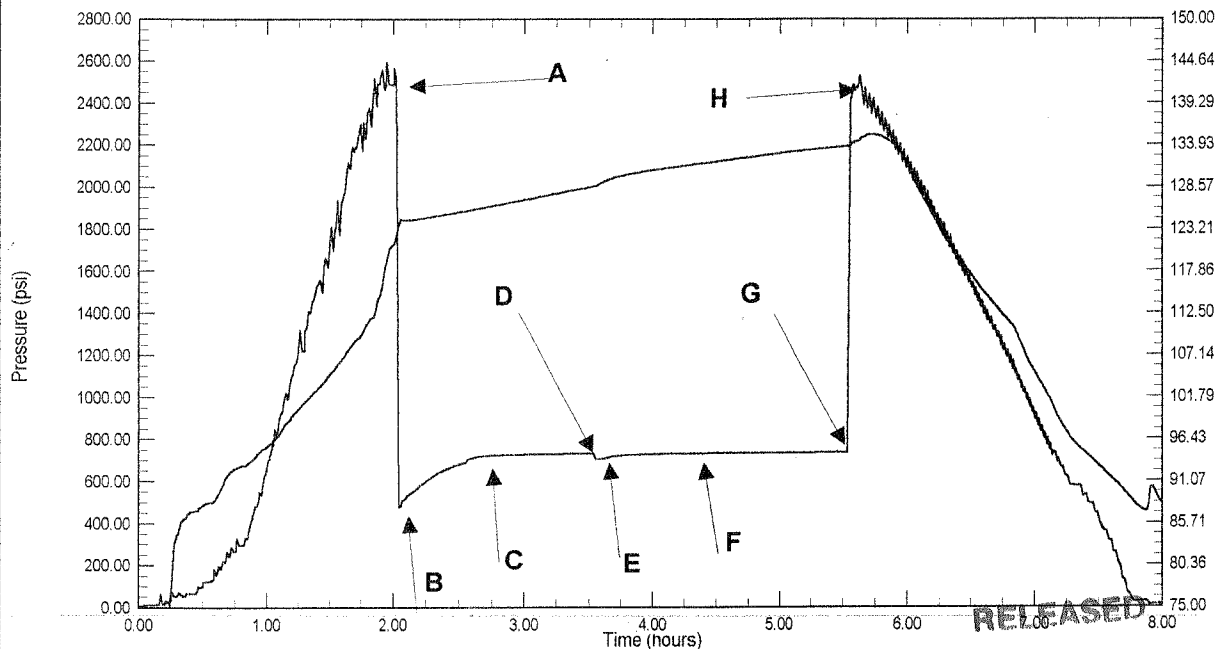
Sec Town Range 200'W C-S/W-S/W 24-

Field

Report Number 11007

Company: HARRIS OIL AND GAS COMPANY Lease & Well No. JOHNS #1324 Test # 2 Date: 2-25-1999
SEC. 24 TWP. 32S RGE. 41W

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Field Reading

FROM CONFIDENTIAL
Office Reading

(A)	Initial Hydrostatic Pressure	2487	psi
(B)	Initial Flow Pressure	466	psi
(C)	Final Initial Flow Pressure	707	psi
(D)	Initial Shut-In Pressure	730	psi
(E)	Initial Final Flow Pressure	705	psi
(F)	Final Flow Pressure	730	psi
(G)	Final Shut-In Pressure	735	psi
(H)	Final Hydrostatic Pressure	2475	psi

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ELECTRONIC REECORDER DEPTH 5234ft, RECORDER NUMBER 78225

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

General Information

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Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
 Company Name HARRIS OIL AND GAS COMPANY
 Lease and Well Number JOHNS #1324
 Formation Tested MORROW AND KEYS
 Test Number 2
 State KANSAS
 County MORTON
 Field
 Test Date 26-Feb-99
 Section Town Range 200'W C-S/W-SW 24-32S-41
 Report Number 11007
 Elevation Ground Level 3392
 Elevation Kelly Bushings 3402
 Company Representative TOMMYE DISEKER
 Testing Engineer GENE BUDIG

Extra Equipment

Jars YES
 Safety Joint YES
 Extra Packers NO
 Straddle NO
 Hook Wall NO
 Sampler NO
 Circulating Sub NO
 Electronic Recorder YES

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Well Information

Drilling Contractor ALLEN DRILLING RIG #5

Drill Pipe Length 4631
 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 488
 Drill Collar I.D. 2.25
 Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 8.70
 Viscosity 53
 Water Loss 7.8
 Chlorides - Pits 800
 Chlorides - DST 92000

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SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Tool Setting Information

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Top Packer Depth 5141
Bottom packer Depth 5146
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 5146
Test Interval (to) 5240
Anchor Length 94
Total Depth (ft) 5240
Hole Size (in) 7 7/8

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Pressure Readings

	Field Reading	Office Reading
Maximum Temp	138	
Initial Hydrostatic Pressure	2487	
Initial Flow Pressure	466	
Final Initial Flow Pressure	707	
Initial Shut-In Pressure	730	
Initial Final Flow Pressure	705	
Final Flow Pressure	730	
Final Shut-In Pressure	735	
Final Hydrostatic Pressure	2475	
Electronic Recorder Depth	5234	
Recorder Number	78225	
Mechanical Recorder Depth	5237	
Recorder Number	5463	

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MAY 07 2001

FROM CONFIDENTIAL

Comments

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Flow Times

Initial Open

Tool Open (from) 9:00
 Tool Open (to) 9:30
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 9:30
 Tool Closed (to) 10:30
 Duration (min) 60

Final Open

Tool Open (from) 10:30
 Tool Open (to) 11:30
 Duration (min) 60

Final Shut-in

Tool Closed (from) 11:30
 Tool Closed (to) 12:30
 Duration (min) 60

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Recovery Description

Initial Blow FAIR BLOW BUILT TO THE BOTTOM OF THE BUCKET
 IN 1 1/2 MINUTES

Final Blow WEAK BLOW BUILT TO 4 INCHES INTO THE WATER
 DECREASED AND DIED IN 25 MINUTES

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) DRILLING MUD	150				
2) GAS CUT WATERY MUD	180				
3) GAS CUT MUDDY WATER	180				
4) GAS CUT SLIGHTLY MUDDY WATER	180				
5) GAS CUT WATER CHLORIDES 92000	660				
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	1350				