

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 11-21-01 Location 72-9-14 to 8-15-12^W Elevation 1766' GL
1774' KB County Osborne

Company F. C. Hall Company LLC Number of Copies 5

Charts Mailed to 6427 East Killebrew P.O. Box 780167 Wichita Kansas 67278-0167

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 2743 I.D. Drill Pipe 3.90 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 248 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 3005 Bottom Packer Depth 3010 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3010 TO 3046 ANCHOR LENGTH 36 TOTAL DEPTH 3046 Hole Size 7 7/8"

EASE & WELL NO. FALLS # 2-8 FORMATION TESTED Kansas P.H. TEST NO. 1

Mud Weight 9.0 Viscosity 46 Water Loss B² Chlorides - Pits 5700 D.S.T. _____

Maximum Temp. _____ °F Initial Hydrostatic Pressure (A) 155 P.S.I. Final Hydrostatic Pressure (H) 1497 P.S.I.

Tool Open I.F.P. from 5:45 A.M. to 6:15 A.M. 30 min

Tool Closed I.C.I.P. from 6:15 A.M. to 7:15 A.M. 60 min

Tool Open F.F.P. from 7:15 A.M. to 8:45 A.M. 30 min

Tool Closed F.C.I.P. from 8:45 A.M. to 8:45 A.M. 60 min

Initial Blow Very weak blow for 11 minutes & DIED

Final Blow no blow

Total Feet Recovered 5 Gravity of Oil _____ Corrected

5 Feet of mud with a few spots of oil AND % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of A good show between the tests % 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. 5463 Clock No. 47441 Depth 3040 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 3875 Clock No. 47442 Depth 3043 Insurance NONE

Price of Job _____

Tool Operator Don Budy

Approved By _____
No 14038

from [B] <u>45</u> P.S.I. to [C] <u>36</u> P.S.I.
[D] <u>467</u> P.S.I.
from [E] <u>36</u> P.S.I. to [F] <u>45</u> P.S.I.
[G] <u>100</u> P.S.I.

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.

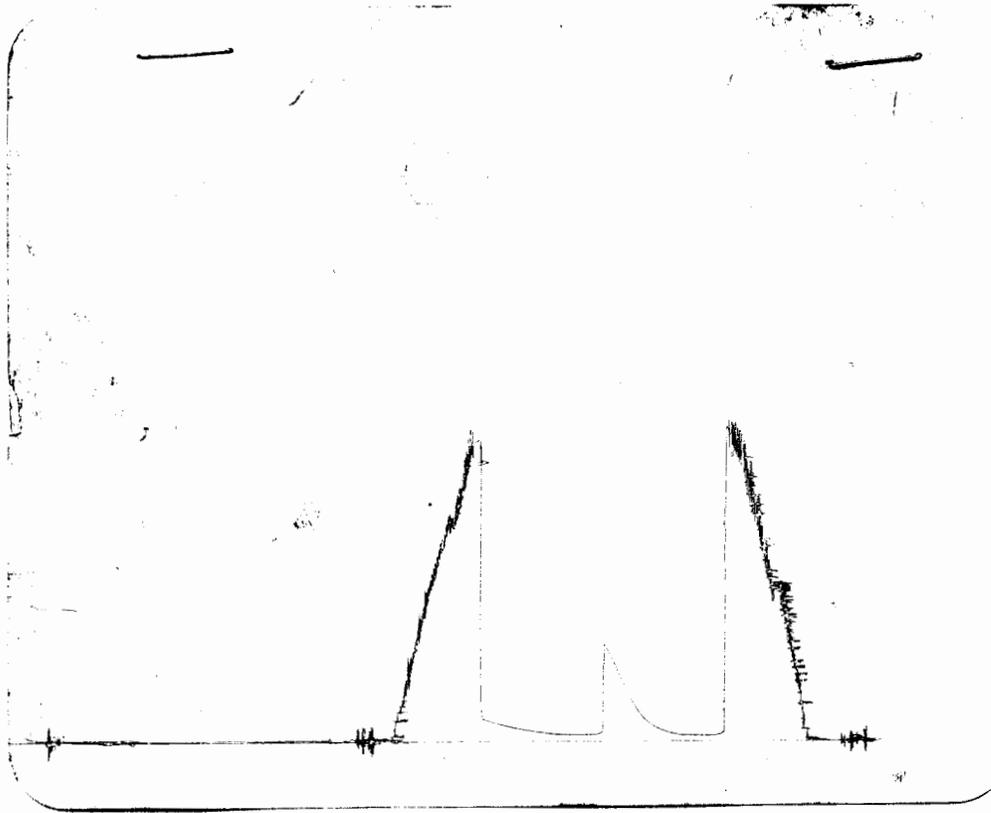
Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County OSBORNE
Field

Test Date November 21, 2001
Sec Town Range 8-10S-15W
Report Number 14038



Field Reading

(A)	Initial Hydrostatic Pressure	1515
(B)	Initial Flow Pressure	45
(C)	Final Initial Flow Pressure	36
(D)	Initial Shut-In Pressure	467
(E)	Initial Final Flow Pressure	36
(F)	Final Flow Pressure	45
(G)	Final Shut-In Pressure	100
(H)	Final Hydrostatic Pressure	1497

ELECTRONIC RECORDER DEPTH 3040 FT, RECORDER NUMBER 5463

Company: **F.G.HOLL COMPANY L.L.C.** Lease & Well No. **FALLIS #2-8** Test # **1** Date: **11-21-2001** SEC. 8 TWP.
10S RGE. 12W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	FALLIS #2-8
TEST DATE	11/21/2001	FORMATION TESTED	KANSAS CITY
SECTION-TOWN-RANGE	8-10S-15W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14038
COUNTY	OSBORNE	ELEVATION KELLY BUSHINGS	1774
ELEVATION GROUND LEVEL	1765	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REA		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3010	TOP PACKER DEPTH	3005
TEST INTERVAL (to)	3046	BOTTOM PACKER DEPTH	3010
ANCHOR LENGTH	36	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3046	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	5:45
TOOL OPEN (to)	6:15
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	6:15
TOOL CLOSED (to)	7:15
DURATION (min.)	60

FINAL OPEN

TOOL OPEN (from)	7:15
TOOL OPEN (to)	7:45
DURATION (min.)	30

FINAL SHUT-IN

TOOL CLOSED (from)	7:45
TOOL CLOSED (to)	8:45
DURATION (min.)	60

PRESSURE READINGS

INITIAL HYDROSTATIC	1515
INITIAL FLOW	45
FINAL INITIAL FLOW	36
INITIAL SHUT-IN	467
INITIAL FINAL FLOW	36
FINAL FLOW	45
FINAL SHUT-IN	100
FINAL HYDROSTATIC	1497
MAXIMUM TEMPERATURE	
TOP RECORDER DEPTH	3040
RECORDER NUMBER	5463
BOTTOM RECORDER DEPTH	3043
RECORDER NUMBER	3875

INITIAL BLOW **VERY WEAK BLOW FOR 11 MINUTES AND DIED**

FINAL BLOW **NO BLOW**

EXTRA EQUIPMENT

JARS	NO	ELECTRONIC RECORDER	NO
SAFETY JOINT	NO	STRADDLE	NO
EXTRA PACKER (3RD)	NO	HOOK WALL	NO
EXTRA PACKER (4TH)	NO	SAMPLER	NO
		CIRCULATING SUB	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #1**

DRILL PIPE LENGTH **2743**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

WEIGHT PIPE LENGTH

WEIGHT PIPE I.D. **2.25**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **248**

DRILL COLLAR I.D. **2.25**

TOOL JOINT SIZE **4 1/2 X.H.**

MUD WEIGHT #/GAL **9**

VISCOSITY **46**

WATER LOSS **8.2**

CHLORIDES-PITS **5700**

CHLORIDES-DST **0**

FEET OF RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 5	MUD WITH A FEW SPOTS OF OIL AND A GOOD SHOW OF OIL BETWEEN THE TOOLS				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					

TOTAL RECOVERY

COMMENTS



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company F. G. Holl Company, LLC Lease & Well No. Fallis No. 2-8
Elevation 1785 GL Formation Lansing "C" Effective Pay Ft. Ticket No. J1192
Date 11-22-01 Sec. 8 Twp. 10S Range 12W County Osborne State Kansas
Test Approved By Bill Ree Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,073 ft. to 3,088 ft. Total Depth 3,088 ft.
Packer Depth 3,068 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,073 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,080 ft. Recorder Number 13556 Cap. 5,475 psi
Bottom Recorder Depth (Outside) 3,085 ft. Recorder Number 13498 Cap. 3,925 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 248 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 52 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 8.2 cc. Drill Pipe Length 2,817 ft. I.D. 3 1/2 in.
Chlorides 4,800 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - JF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 15 ft. Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 3/8 in., blow decreasing to 1/4 in. by end.
2nd Open: No blow.

Recovered 30 ft. of heavy water cut mud with some oil spots = .147600 bbls. (Grind out: 30%-water; 70%-mud)
Recovered ft. of Chlorides: 18,000 Ppm
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks

Time Set Packer(s) 9:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 106 °
Initial Hydrostatic Pressure (A) 1489 P.S.I.
Initial Flow Period Minutes 30 (B) 19 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period Minutes 60 (D) 1092 P.S.I.
Final Flow Period Minutes 30 (E) 27 P.S.I. to (F) 30 P.S.I.
Final Closed In Period Minutes 60 (G) 1092 P.S.I.
Final Hydrostatic Pressure (H) 1448 P.S.I.



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FLUID SAMPLE DATA

Company F. G. Holl Company, LLC
Lease & Well No. Fallis No. 2-8
Date 11-22-01 Sec. 8 Twp. 10 S Range 12 W
Formation Test No. 3 Interval Tested From 3,073 ft. to 3,088 ft. Total Depth 3,088 ft.
Formation Lansing "C"

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>52</u> CP	<u>45</u> CP
Weight	<u>9.3</u>	<u>8.9</u>
Water Loss	<u>8.2</u> CC	<u>50+</u> CC
PH Factor	<u>10.0</u>	<u>9.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.31</u> @ <u>75</u> °F.	<u>17,000</u> ppm
Recovery Mud	<u>1.10</u> @ <u>70</u> °F.	<u>5,000</u> ppm
Recovery Mud Filtrate	<u>.32</u> @ <u>75</u> °F.	<u>16,000</u> ppm
Mud Pit Sample	<u>1.30</u> @ <u>70</u> °F.	<u>4,800</u> ppm
Mud Pit Sample Filtrate	<u>1.30</u> @ <u>70</u> °F.	<u>4,800</u> ppm

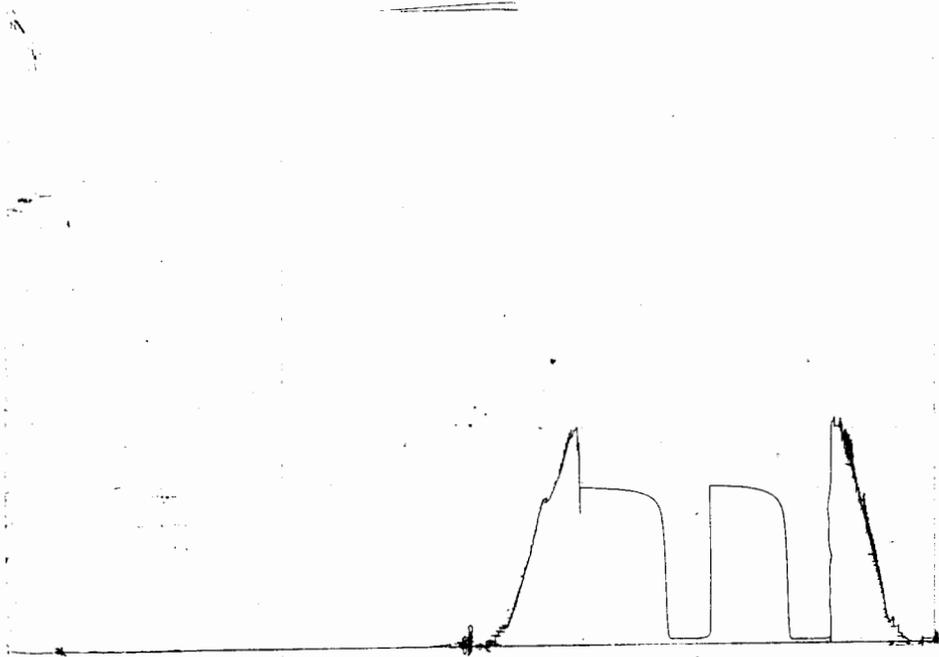
Sample Taken By JOHN C. RIEDL

Witness By Bill Ree

Remarks Pit filtrate triton dish chlorides were 4,800 Ppm.
Recovery filtrate triton dish chlorides were 18,000 Ppm.
Recovery water dish chlorides were 18,000 Ppm.

ROC #13556 INSIDE LOG 5000 PSI #3

12 HR CC 12 1/2 205



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1489	1496	PSI
(B) First Initial Flow Pressure.....	19	21	PSI
(C) First Final Flow Pressure	21	25	PSI
(D) Initial Closed-in Pressure	1092	1094	PSI
(E) Second Initial Flow Pressure.....	27	25	PSI
(F) Second Final Flow Pressure.....	30	28	PSI
(G) Final Closed-in Pressure.....	1092	1098	PSI
(H) Final Hydrostatic Mud.....	1448	1461	PSI



DIAMOND TESTING

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HOISINGTON, KANSAS 67544

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Page 1 of 2 Pages

Company F. G. Holl Company, LLC Lease & Well No. Fallis No. 2-8
 Elevation 1785 GL Formation Lansing "B" Effective Pay -- Ft. Ticket No. J1191
 Date 11-21-01 Sec. 8 Twp. 10S Range 12W County Osborne State Kansas
 Test Approved By Bill Ree Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,052 ft. to 3,072 ft. Total Depth 3,072 ft.
 Packer Depth 3,047 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 3,052 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,064 ft. Recorder Number 13556 Cap. 5,475 psi
 Bottom Recorder Depth (Outside) 3,069 ft. Recorder Number 13498 Cap. 3,925 psi
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 248 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 2,784 ft. I.D. 3 1/2 in.
 Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Bowen Serial Number Not Run Anchor Length 20 ft. Size 4 1/2 - FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Very weak intermittent blow. Dead in 15 mins.
 2nd Open: No blow. Flushed tool. Received 2 1/2 in. blow. Decreased to 1/2 in. by end.

Recovered 130 ft. of very slightly gas cut heavy drilling mud with a show of oil in tool = .639600 bbls.
 Recovered ft. of (Grind out: 2%-gas; 98%-mud)
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks

Time Set Packer(s) 7:20 ~~AM~~ P.M. Time Started Off Bottom 11:20 ~~AM~~ P.M. Maximum Temperature 100 °
 Initial Hydrostatic Pressure (A) 1448 P.S.I.
 Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 43 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1038 P.S.I.
 Final Flow Period Minutes 60 (E) 43 P.S.I. to (F) 81 P.S.I.
 Final Closed In Period Minutes 90 (G) 1024 P.S.I.
 Final Hydrostatic Pressure (H) 1434 P.S.I.



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FLUID SAMPLE DATA

Company F. G. Holl Company, LLC
Lease & Well No. Fallis No. 2-8
Date 11-21-01 Sec. 8 Twp. 10 S Range 12 W
Formation Test No. 2 Interval Tested From 3,052 ft. to 3,072 ft. Total Depth 3,072 ft.
Formation Lansing "B"

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>51</u> CP	<u>58</u> CP
Weight	<u>9.0</u>	<u>9.1</u>
Water Loss	<u>8.4</u> CC	<u>9.0</u> CC
PH Factor	<u>9.0</u>	<u>9.0</u>

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>1.60</u> @ <u>65</u> °F.	<u>4,200</u> ppm
Recovery Mud Filtrate	<u>1.60</u> @ <u>65</u> °F.	<u>4,200</u> ppm
Mud Pit Sample	<u>1.60</u> @ <u>70</u> °F.	<u>4,000</u> ppm
Mud Pit Sample Filtrate	<u>1.70</u> @ <u>70</u> °F.	<u>3,800</u> ppm

Sample Taken By JOHN C. RIEDL

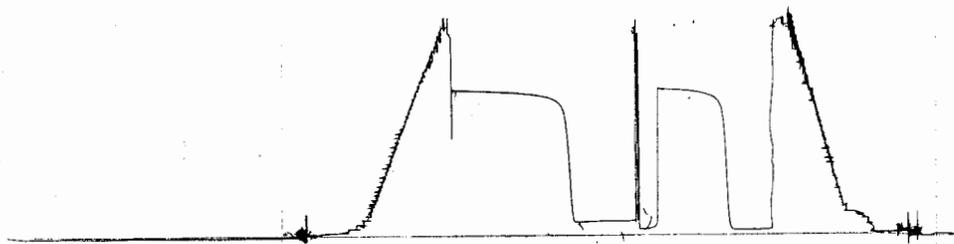
Witness By Bill Ree

Remarks Pit filtrate triton dish chlorides were 4,000 Ppm.
Recovery filtrate triton dish chlorides were 4,200 Ppm.

DST REC #13556 INSIDE

LOC 3064

CLOCK #26705



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1448	1460	PSI
(B) First Initial Flow Pressure.....	41	28	PSI
(C) First Final Flow Pressure	43	30	PSI
(D) Initial Closed-in Pressure	1038	1024	PSI
(E) Second Initial Flow Pressure	43	33	PSI
(F) Second Final Flow Pressure.....	81	68	PSI
(G) Final Closed-in Pressure.....	1024	1002	PSI
(H) Final Hydrostatic Mud	1434	1438	PSI

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KANSAS CORPORATION COMMISSION

DEC 06 2001