

Ketzner 3-1
Hummon Corp.

15-007-22743
T. 32 S., R. 11 W., sec. 1

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 05-31-2008 Location 249¹/₄ N - 39¹/₂ W 4¹/₂ S 16¹/₂ E 132¹/₂ W Elevation 1556 ft. County Baebee

Company Hummon Corporation Number of Copies 5

Charts Mailed to 950 North Tyler Road Wichita Kansas 67212-3240

Drilling Contractor Duke Drilling Rig #4

Length Drill Pipe 2486 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 NONE

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

Top Packer Depth 2908 Bottom Packer Depth 2509 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 2509 TO 2570 ANCHOR LENGTH 63 TOTAL DEPTH 2570 Hole Size 2 1/8"

LEASE & WELL NO. KETZNER #1-3 FORMATION TESTED INDIAN COAL TEST NO. 1

Mud Weight 9.5 Viscosity 35 Water Loss NIC Chlorides - Pits 50000 D.S.T. 82000

Maximum Temp. 99 °F Initial Hydrostatic Pressure (A) 1357 P.S.I. Final Hydrostatic Pressure (H) 1248 P.S.I.

Tool Open I.F.P. from 8:45 p.m. to 9:15 p.m. 30 min

Tool Closed I.C.I.P. from 9:15 p.m. to 9:45 p.m. 30 min

Tool Open F.F.P. from 9:45 p.m. to 10:15 p.m. 30 min

Tool Closed F.C.I.P. from 10:15 p.m. to 10:45 p.m. 30 min

from [B] <u>239</u> P.S.I. to [C] <u>623</u> P.S.I.
[D] <u>1034</u> P.S.I.
from [E] <u>653</u> P.S.I. to [F] <u>848</u> P.S.I.
[G] <u>1040</u> P.S.I.

Initial Blow Good blow bottom of the bucket in 1 minute

Final Blow Good blow bottom of the bucket in 2 minutes

Total Feet Recovered 1625 Gravity of Oil _____ Corrected

1625 Feet of SLIGHTLY MUDDY WATER % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of CHLORIDES 82000 % 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 NONE Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 80507 Clock No. Electronic Depth 2563 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13202 Clock No. 47441 Depth 2567 Insurance NONE

Price of Job _____

Tool Operator Lane Judig

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.

NO 12389

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

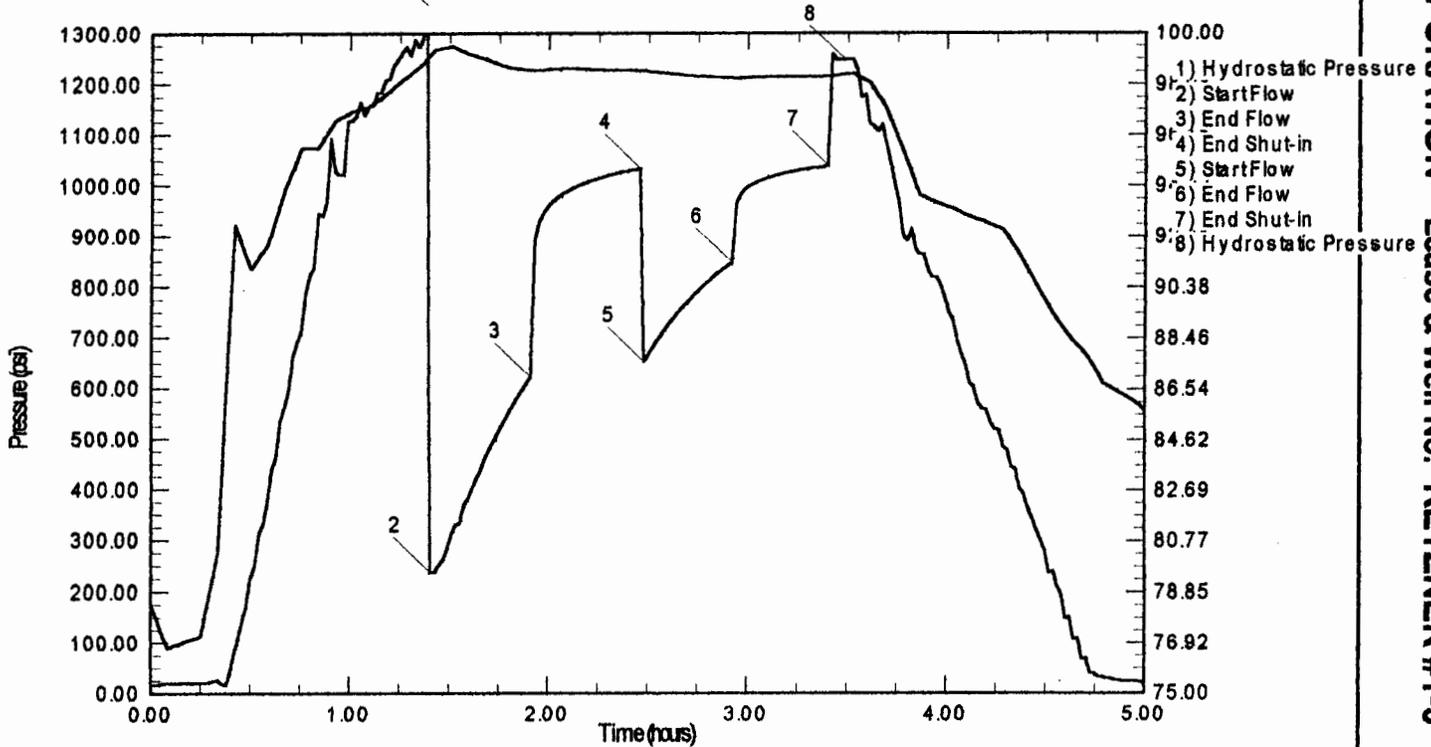
State KANSAS
 County BARBER
 Field

Test Date May 31, 2003
 Sec Town Range 1-32S-11W
 Report Number 12389

RECEIVED

OCT 14 2003

KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	1357
(2)	Initial Flow Pressure	239
(3)	Final Initial Flow Pressure	623
(4)	Initial Shut-In Pressure	1034
(5)	Initial Final Flow Pressure	653
(6)	Final Flow Pressure	848
(7)	Final Shut-In Pressure	1040
(8)	Final Hydrostatic Pressure	1248

ELECTRONIC RECORDER DEPTH 2563 FT, RECORDER NUMBER 80507

Company: **HUMMON CORPORATION** Lease & Well No. **KETZNER #1-3** Test #: **1** Date: **05-31-2003** SEC. **1** TWP. **32S**
 RGE. **11W**

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	HUMMON CORPORATION	LEASE AND WELL NUMBER	KETZNER #1-3
TEST DATE	5/31/03	FORMATION TESTED	INDIAN CAVE
SECTION-TOWN-RANGE	1-32S-11W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	12389
COUNTY	BARBER	ELEVATION KELLY BUSHINGS	1556
ELEVATION GROUND LEVEL	1548	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	ARDEN RATZLAFF		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	2507	TOP PACKER DEPTH	2502
TEST INTERVAL (to)	2570	BOTTOM PACKER DEPTH	2507
ANCHOR LENGTH	63	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	2570	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	8:45
TOOL OPEN (to)	9:15
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	9:15
TOOL CLOSED (to)	9:45
DURATION (min.)	30

FINAL OPEN

TOOL OPEN (from)	9:45
TOOL OPEN (to)	10:15
DURATION (min.)	30

FINAL SHUT-IN

TOOL CLOSED (from)	10:15
TOOL CLOSED (to)	10:45
DURATION (min.)	30

PRESSURE READINGS

INITIAL HYDROSTATIC	1357
INITIAL FLOW	239
FINAL INITIAL FLOW	623
INITIAL SHUT-IN	1034
INITIAL FINAL FLOW	653
FINAL FLOW	848
FINAL SHUT-IN	1040
FINAL HYDROSTATIC	1248
MAXIMUM TEMPERATURE	99
TOP RECORDER DEPTH	2563
RECORDER NUMBER	80507
BOTTOM RECORDER DEPTH	2567
RECORDER NUMBER	13208

INITIAL BLOW

GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 1 MINUTE

FINAL BLOW

GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES

EXTRA EQUIPMENT

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

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **DUKE DRILLING RIG #4**

DRILL PIPE LENGTH **2486**

DRILL PIPE I.D. **3.8**

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.**

WEIGHT PIPE LENGTH

WEIGHT PIPE I.D. **2.25**

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

MUD WEIGHT #/GAL **9.5**

VISCOSITY **35**

WATER LOSS **N/C**

CHLORIDES-PITS **50000**

CHLORIDES-DST **82000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	1625	SLIGHTLY MUDDY SALT WATER CHLORIDES 82000				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

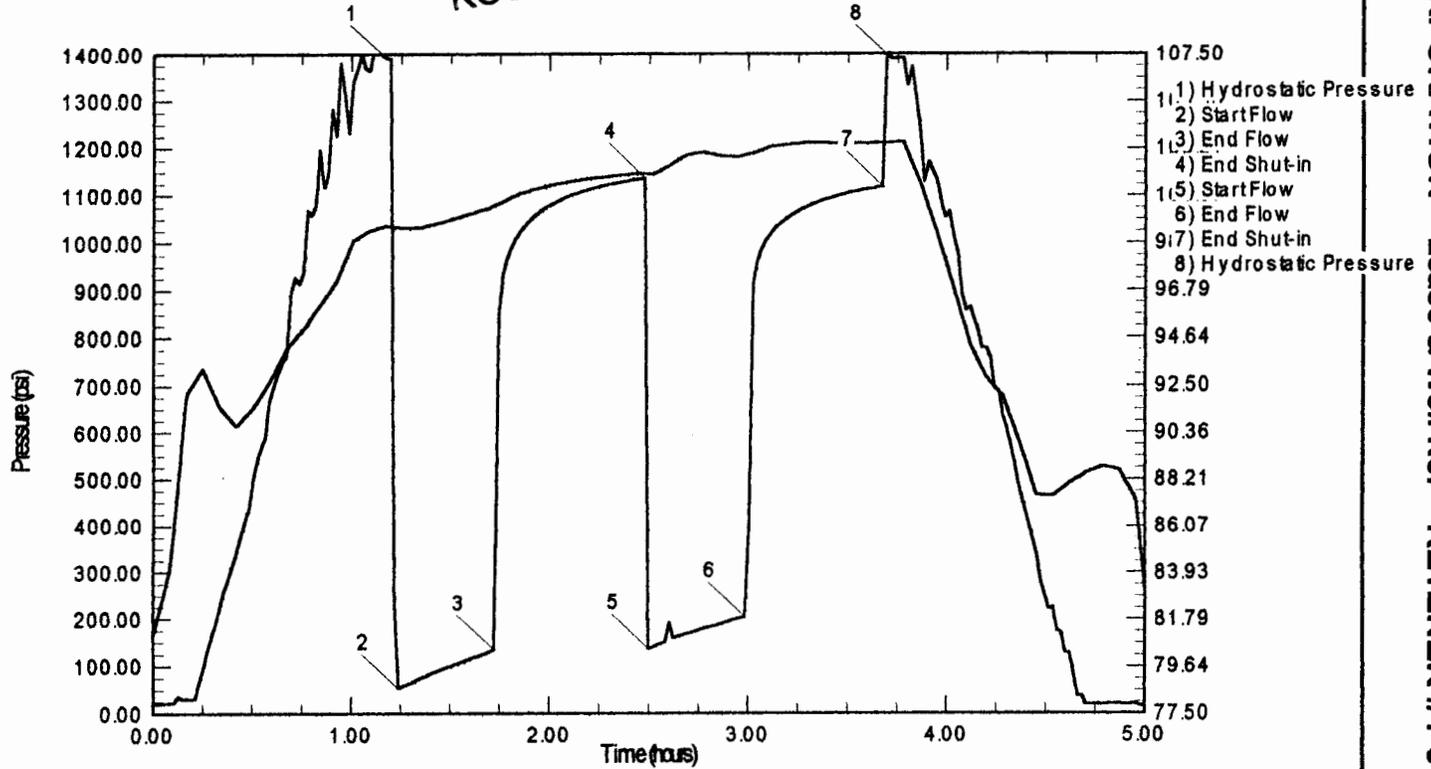
CHART DATA

(316) 792-6902

State KANSAS
 County BARBER
 Field

Test Date June 1, 2003
 Sec Town Range 1-32S-11W
 Report Number 12390

RECEIVED
 OCT 14 2003
 KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	1392
(2)	Initial Flow Pressure	53
(3)	Final Initial Flow Pressure	136
(4)	Initial Shut-In Pressure	1138
(5)	Initial Final Flow Pressure	137
(6)	Final Flow Pressure	205
(7)	Final Shut-In Pressure	1119
(8)	Final Hydrostatic Pressure	1390

ELECTRONIC RECORDER DEPTH 2819 FT, RECORDER NUMBER 80507

Company: HUMMON CORPORATION Lease & Well No. KETZNER #1-3 Test #: 2 Date: 06-01-2003 SEC. 1 TWP. 32S
 RGE. 11 W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	HUMMON CORPORATION	LEASE AND WELL NUMBER	KETZNER #1-3
TEST DATE	6/1/03	FORMATION TESTED	TARKIO
SECTION-TOWN-RANGE	1-32S-11W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	12390
COUNTY	BARBER	ELEVATION KELLY BUSHINGS	1556
ELEVATION GROUND LEVEL	1548	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	ARDEN RATZLAFF		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	2805	TOP PACKER DEPTH	2800
TEST INTERVAL (to)	2826	BOTTOM PACKER DEPTH	2805
ANCHOR LENGTH	21	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	2826	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	5:00
TOOL OPEN (to)	5:30
DURATION (min.)	30

INITIAL SHUT-IN

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

FINAL OPEN

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

FINAL SHUT-IN

TOOL CLOSED (from)	6:45
TOOL CLOSED (to)	7:00
DURATION (min.)	45

PRESSURE READINGS

INITIAL HYDROSTATIC	1392
INITIAL FLOW	53
FINAL INITIAL FLOW	136
INITIAL SHUT-IN	1138
INITIAL FINAL FLOW	137
FINAL FLOW	205
FINAL SHUT-IN	1119
FINAL HYDROSTATIC	1390

MAXIMUM TEMPERATURE	103
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TOP RECORDER DEPTH	2819
RECORDER NUMBER	80507
BOTTOM RECORDER DEPTH	2823
RECORDER NUMBER	13208

INITIAL BLOW

WEAK BUILDING BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 10 MINUTES

FINAL BLOW

WEAK BUILDING BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 20 MINUTES

EXTRA EQUIPMENT

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

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **DUKE DRILLING RIG #4**

DRILL PIPE LENGTH **2784**

DRILL PIPE I.D. **3.8**

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.**

WEIGHT PIPE LENGTH

WEIGHT PIPE I.D. **2.25**

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

MUD WEIGHT #/GAL **9.4**

VISCOSITY **40**

WATER LOSS **N/C**

CHLORIDES-PITS **36000**

CHLORIDES-DST **108000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	340	VERY SLIGHTLY MUDDY WATER-CHLORIDES 108000				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

1556 KB.

Date 06-01-2003 Location 240 130' N 11-54-51 W 1-32-11 W Elevation 1548 GL County Barber

Company Hummer Corporation Number of Copies 5

Charts Mailed to 950 North Tyler Wichita, Kansas 67212-3240

Drilling Contractor Duke Drilling Rig #4

Length Drill Pipe 2784 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 NONE

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

Top Packer Depth 2800 Bottom Packer Depth 2805 Number of Packers 2 Packer Size 6 3/4'

TESTED FROM 2805 TO 2826 ANCHOR LENGTH 21 TOTAL DEPTH 2826 Hole Size 7 7/8"

LEASE & WELL NO. KETNER #1-3 FORMATION TESTED TARKIO TEST NO. 2

Mud Weight 9.4 Viscosity 40 Water Loss N/C Chlorides - Pits 36000 D.S.T. 108000

Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1392 P.S.I. Final Hydrostatic Pressure (H) 1390 P.S.I.

Tool Open I.F.P. from 5:00 p.m. to 5:30 p.m. 30 min

from [B] 53 P.S.I. to [C] 136 P.S.I.

Tool Closed I.C.I.P. from 5:30 p.m. to 6:15 p.m. 45 min

[D] 1138 P.S.I.

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

from [E] 137 P.S.I. to [F] 205 P.S.I.

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

[G] 1119 P.S.I.

Initial Blow Weak building blow built to the bottom of a 5 Gallon bucket in 10 min

Final Blow Weak building blow built to the bottom of a 5 Gallon bucket in 20 min

Total Feet Recovered RTS 340 Gravity of Oil _____ Corrected

<u>RTS 340</u> Feet of <u>Very SLIGHTLY mud cut water</u>	% Gas	% Oil	% Mud	% Water
Feet of <u>CHLORIDES 108000</u>	% 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 _____

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

Top Recorder No. 80507 Clock No. ELECTRONIC Depth 2819 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 2823 Insurance NONE

Price of Job _____

Tool Operator Steve Bady

Approved By _____

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No 12390

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

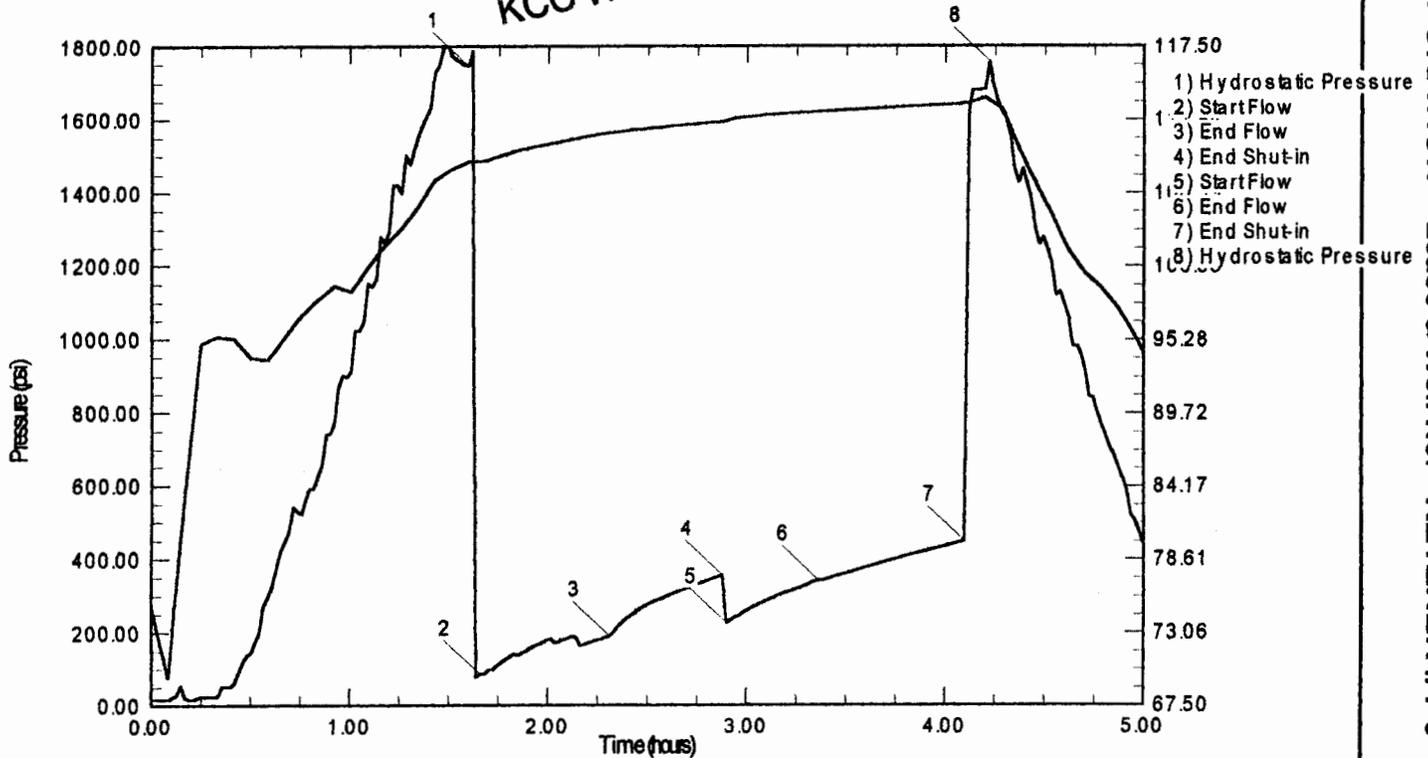
(316) 792-6902

Company: HUMMON CORPORATION Lease & Well No. KETZNER #1-3 Test #: 3 Date: 06-04-2003 SEC. 1 TWP. 32S RGE. 11W

State KANSAS
 County BARBER
 Field

Test Date June 4, 2003
 Sec Town Range 1-32S-11W
 Report Number 12391

RECEIVED
 OCT 14 2003
 KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	1747
(2)	Initial Flow Pressure	87
(3)	Final Initial Flow Pressure	192
(4)	Initial Shut-In Pressure	357
(5)	Initial Final Flow Pressure	226
(6)	Final Flow Pressure	342
(7)	Final Shut-In Pressure	450
(8)	Final Hydrostatic Pressure	1757

ELECTRONIC RECORDER DEPTH 3643 FT, RECORDER NUMBER 80507

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	HUMMON CORPORATION	LEASE AND WELL NUMBER	KETZNER #1-3
TEST DATE	6/4/03	FORMATION TESTED	DOUGLAS
SECTION-TOWN-RANGE	1-32S-11W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	12391
COUNTY	BARBER	ELEVATION KELLY BUSHINGS	1556
ELEVATION GROUND LEVEL	1548	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	ARDEN RATZLAFF		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3560	TOP PACKER DEPTH	3555
TEST INTERVAL (to)	3650	BOTTOM PACKER DEPTH	3560
ANCHOR LENGTH	90	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3650	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	1:40
TOOL OPEN (to)	2:10
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	2:10
TOOL CLOSED (to)	2:55
DURATION (min.)	45

FINAL OPEN

TOOL OPEN (from)	2:55
TOOL OPEN (to)	3:25
DURATION (min.)	30

FINAL SHUT-IN

TOOL CLOSED (from)	3:25
TOOL CLOSED (to)	4:10
DURATION (min.)	45

PRESSURE READINGS

INITIAL HYDROSTATIC	1747
INITIAL FLOW	87
FINAL INITIAL FLOW	192
INITIAL SHUT-IN	357
INITIAL FINAL FLOW	226
FINAL FLOW	342
FINAL SHUT-IN	450
FINAL HYDROSTATIC	1757
MAXIMUM TEMPERATURE	114
TOP RECORDER DEPTH	3643
RECORDER NUMBER	80507
BOTTOM RECORDER DEPTH	3647
RECORDER NUMBER	13208

INITIAL BLOW

WEAK BLOW BUILT TO 2 INCHES INTO THE WATER AND DECREASED TO A VERY WEAK SURFACE BLOW

FINAL BLOW

VERY WEAK BLOW FOR 1 MINUTE AND DIED

EXTRA EQUIPMENT

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

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #4	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	3539	DRILL COLLAR I.D.	2.26
DRILL PIPE I.D.	3.8	TOOL JOINT SIZE	4 1/2 X.H.
TOOL JOINT SIZE	4 1/2 X.H.	MUD WEIGHT #/GAL	8.7
WEIGHT PIPE LENGTH		VISCOSITY	54
WEIGHT PIPE I.D.	2.25	WATER LOSS	10.6
TOOL JOINT SIZE	4 1/2 X.H.	CHLORIDES-PITS	3000
		CHLORIDES-DST	

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	30	VERY THICK HEAVY MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 06-04-2003 Location 240'-150' W 1/4 - 5/8 - 5/8 W 1-32-41N Elevation 1556KB 154866 County Barber

Company Humman Corporation Number of Copies 5

Charts Mailed to 950 North Tyler Road Wichita Kansas 67212-3240

Drilling Contractor Duke Drilling Rig #4

Length Drill Pipe 3709 I.D. Drill Pipe 5.80 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 3725 Bottom Packer Depth 3730 Number of Packers 2 Packer Size 6 3/16"

TESTED FROM 3730 TO 3750 ANCHOR LENGTH 20 TOTAL DEPTH 3750 Hole Size 7 1/8'

LEASE & WELL NO. KETNER #1-3 FORMATION TESTED KANSAS CLAY TEST NO. 4

Mud Weight 8.2 Viscosity 50 Water Loss 500 Chlorides - Pits 5000 D.S.T. _____

Maximum Temp. 111 °F Initial Hydrostatic Pressure (A) 1882 P.S.I. Final Hydrostatic Pressure (H) 1751 P.S.I.

Tool Open I.F.P. from 5:35 p.m. to 6:05 p.m. 30 min

Tool Closed I.C.I.P. from 6:05 p.m. to 6:50 p.m. 45 min

Tool Open F.F.P. from 6:50 p.m. to 7:20 p.m. 30 min

Tool Closed F.C.I.P. from 7:20 p.m. to 8:05 p.m. 45 min

from [B] <u>43</u> P.S.I. to [C] <u>46</u> P.S.I.
[D] <u>85</u> P.S.I.
from [E] <u>52</u> P.S.I. to [F] <u>53</u> P.S.I.
[G] <u>154</u> P.S.I.

Initial Blow WEAK blow built to 1 1/2 inches into the water & stayed steady

Final Blow WEAK surface blow for 5 minutes & DIED flushed tool after 5 min weak blow

Total Feet Recovered 50 Gravity of Oil _____ Corrected

<u>50</u> Feet of <u>HEAVY MUD</u>	% 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 _____

Extra Equipment - Jars _____ Safety Joint _____ Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. _____ Clock No. _____ Depth _____ Cir. Sub _____ Sampler _____

Bottom Recorder No. _____ Clock No. _____ Depth _____ Insurance _____

Price of Job _____

Tool Operator _____

Approved By NO 12392

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

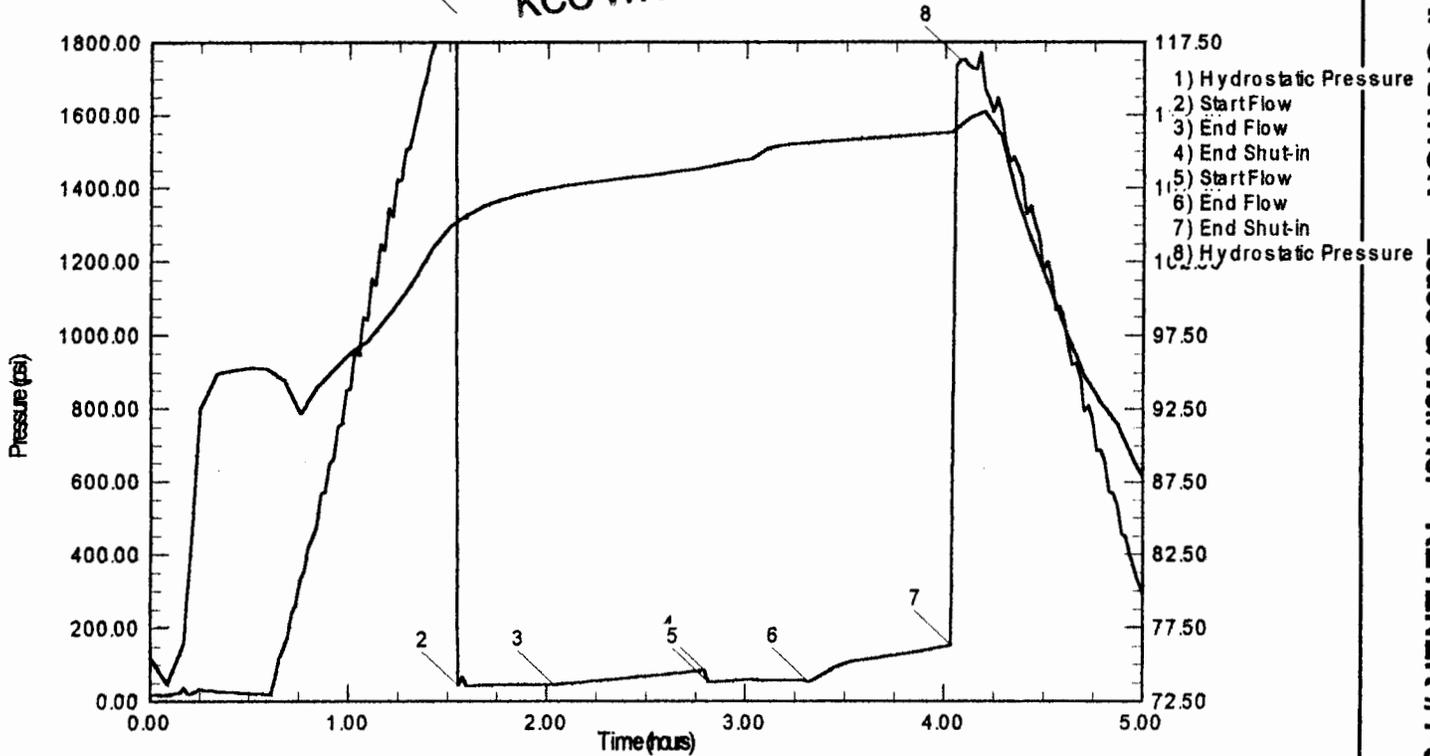
(316) 792-6902

State KANSAS
 County BARBER
 Field

Test Date June 4, 2003
 Sec Town Range 1-32S-11W
 Report Number 12392

RECEIVED

OCT 14 2003
 KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	1882
(2)	Initial Flow Pressure	43
(3)	Final Initial Flow Pressure	46
(4)	Initial Shut-In Pressure	85
(5)	Initial Final Flow Pressure	52
(6)	Final Flow Pressure	53
(7)	Final Shut-In Pressure	154
(8)	Final Hydrostatic Pressure	1751

ELECTRONIC RECORDER DEPTH 3743 FT, RECORDER NUMBER 80507

Company: HUMMON CORPORATION
 32S RGE. 11W
 Lease & Well No. KETZNER #1-3
 Test #: 4
 Date: 06-04-2003
 SEC. 1
 TWP.

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	HUMMON CORPORATION	LEASE AND WELL NUMBER	KITZNER #1-3
TEST DATE	6/4/03	FORMATION TESTED	KANSASCITY
SECTION-TOWN-RANGE	1-32S-11W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	12392
COUNTY	BARBER	ELEVATION KELLY BUSHINGS	1556
ELEVATION GROUND LEVEL	1548	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	ARDEN RATZLAFF		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3730	TOP PACKER DEPTH	3725
TEST INTERVAL (to)	3750	BOTTOM PACKER DEPTH	3730
ANCHOR LENGTH	20	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3750	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	5:35
TOOL OPEN (to)	6:05
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	6:05
TOOL CLOSED (to)	6:50
DURATION (min.)	45

FINAL OPEN

TOOL OPEN (from)	6:50
TOOL OPEN (to)	7:20
DURATION (min.)	30

FINAL SHUT-IN

TOOL CLOSED (from)	7:20
TOOL CLOSED (to)	8:05
DURATION (min.)	45

PRESSURE READINGS

INITIAL HYDROSTATIC	1882
INITIAL FLOW	43
FINAL INITIAL FLOW	46
INITIAL SHUT-IN	85
INITIAL FINAL FLOW	52
FINAL FLOW	53
FINAL SHUT-IN	154
FINAL HYDROSTATIC	1751
MAXIMUM TEMPERATURE	111
TOP RECORDER DEPTH	3743
RECORDER NUMBER	80507
BOTTOM RECORDER DEPTH	3747
RECORDER NUMBER	13208

INITIAL BLOW

WEAK BUILDING BLOW BUILT TO 1 1/2 INCHES INTO THE WATER AND STAYED A STEADY 1 1/2 INCH BLOW

FINAL BLOW

WEAK SURFACE BLOW FOR 5 MINUTES AND DIED FLUSHED TOOL AFTER 5 MINUTES HAD A WEAK SURFACE BLOW FOR 12 MINUTES AND DIED

EXTRA EQUIPMENT

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

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING RIG #4	DRILL COLLAR LENGTH
DRILL PIPE LENGTH	3709	DRILL COLLAR I.D.	2.25
DRILL PIPE I.D.	3.8	TOOL JOINT SIZE	4 1/2 X.H.
TOOL JOINT SIZE	4 1/2 X.H.	WEIGHT PIPE LENGTH
WEIGHT PIPE I.D.	2.25	MUD WEIGHT #/GAL	8.9+
TOOL JOINT SIZE	4 1/2 X.H.	VISCOSITY	52
		WATER LOSS	12.8
		CHLORIDES-PITS	5000
		CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	50	HEAVY MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS