

Rice Production Co.
Kaufman # 6

27-15-12w
15-167-23260

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 07-06-04 Location C-56 NW 27-15-12w Elevation 1853KB County Russell

Company Rice Operating Production Company Number of Copies 5

Charts Mailed to 1219 Random Road, Noisong to Kansas 67544

Drilling Contractor Vanford Drilling Rig #1

Length Drill Pipe 3106 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" N.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 3125 Bottom Packer Depth 3150 Number of Packers 2 Packer Size 6 5/8"

TESTED FROM 3130 TO 3230 ANCHOR LENGTH 100 TOTAL DEPTH 3230 Hole Size 7 7/8"

LEASE & WELL NO. Kaufman # A-6 FORMATION TESTED Kansas City TEST NO. 01

Mud Weight 9.2 Viscosity 55 Water Loss 8.0% Chlorides - Pits 8000 D.S.T. 28000

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1649 P.S.I. Final Hydrostatic Pressure (H) 1624 P.S.I.

Tool Open I.F.P. from 11:00 a.m. to 11:30 p.m. 30 min

Tool Closed I.C.I.P. from 11:30 a.m. to 11:30 a.m. 30 min

Tool Open F.F.P. from 12:00 a.m. to 1:00 a.m. 60 min

Tool Closed F.C.I.P. from 1:00 a.m. to 2:00 a.m. 60 min

Initial Blow Fair blow built to the bottom of a 5 Gallon bucket 24 minutes

Final Blow Fair blow built to the bottom of a 5 Gallon bucket in 32 minutes

Total Feet Recovered 340 Gravity of Oil _____ Corrected

100 Feet of SLIGHTLY OIL cut thick Heavy mud % Gas _____ % Oil _____ % Mud _____ % Water _____

120 Feet of muddy water with a trace of oil % Gas Trace % Oil 32 % Mud 68 % Water _____

120 Feet of muddy water with a trace of oil % Gas Trace % Oil 10 % Mud 90 % 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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 91941 Clock No. ELECTRONIC Depth 3220 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13203 Clock No. 4744 Depth 3220 Insurance NONE

Price of Job _____

Tool Operator Gene Budwig

Approved By _____

N2 12201

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.

27-15-12w

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

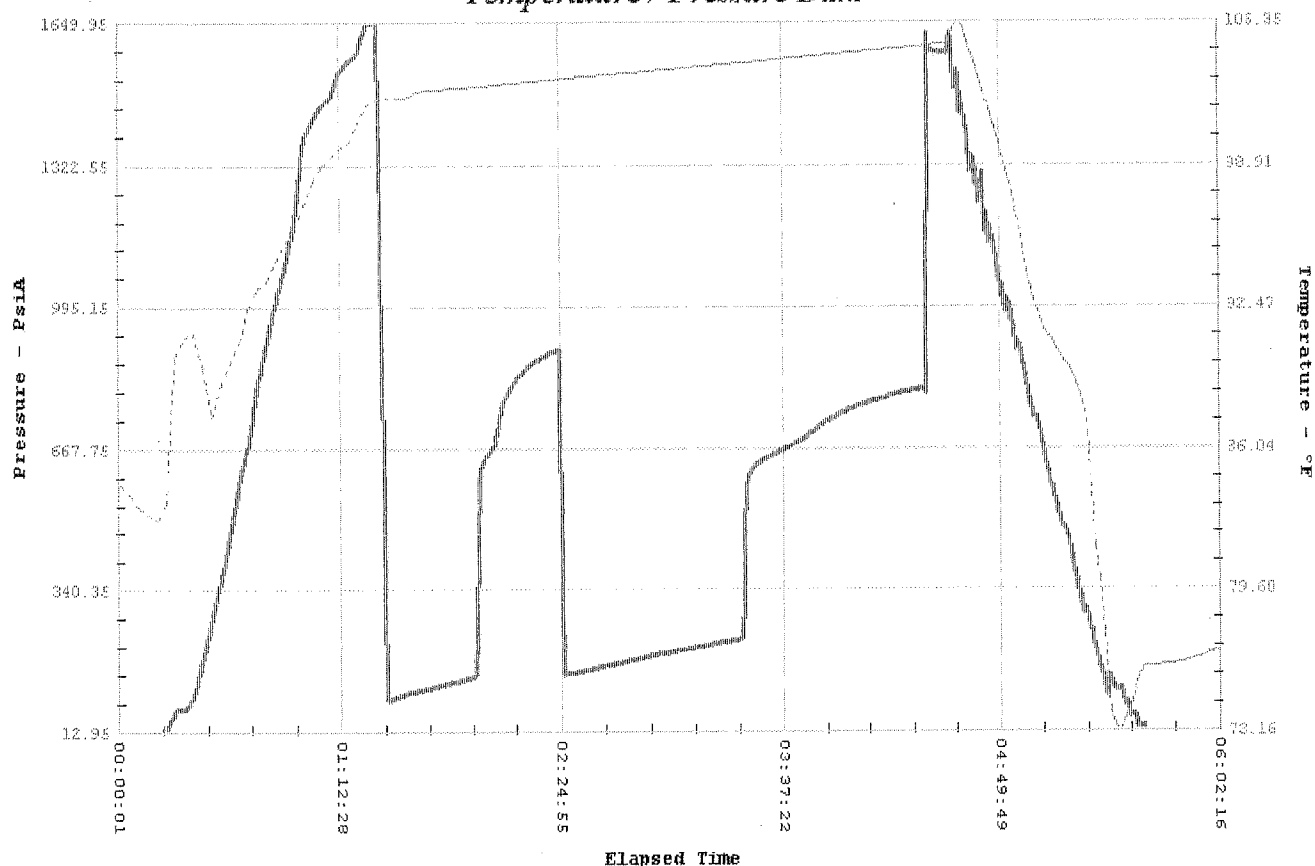
CHART DATA

(316) 792-6902

State KANSAS
County RUSSELL
Field

Test Date July 5, 2004
Sec Town Range 27-15S-12W
Report Number

Temperature / Pressure Data



Field Reading

(1)	Initial Hydrostatic Pressure	1649
(2)	Initial Flow Pressure	86
(3)	Final Initial Flow Pressure	140
(4)	Initial Shut-In Pressure	896
(5)	Initial Final Flow Pressure	145
(6)	Final Flow Pressure	229
(7)	Final Shut-In Pressure	806
(8)	Final Hydrostatic Pressure	1624

ELECTRONIC RECORDER DEPTH 3226 FT, RECORDER NUMBER 91981

Company: RICE OPERATING COMPANY Lease & Well No. KAUFMAN #A-6 Test #: 1 Date: 07-05-2004 SEC. 27 TWP.
5S RGE. 12W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	RICE PRODUCTION COMPANY	LEASE AND WELL NUMBER	KAUFMAN #A-6
TEST DATE	7/5/2004	FORMATION TESTED	KANSAS CITY "H-K"
SECTION-TOWN-RANGE	27-15S-12W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	
COUNTY	RUSSELL	ELEVATION KELLY BUSHINGS	1851
ELEVATION GROUND LEVEL	1846	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	RANDY KILIAN		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3130	TOP PACKER DEPTH	3125
TEST INTERVAL (to)	3230	BOTTOM PACKER DEPTH	3130
ANCHOR LENGTH	100	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3230	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN	
TOOL OPEN (from)	11:00
TOOL OPEN (to)	11:30
DURATION (min.)	30
INITIAL SHUT-IN	
TOOL CLOSED (from)	11:30
TOOL CLOSED (to)	12:00
DURATION (min.)	30
FINAL OPEN	
TOOL OPEN (from)	12:00
TOOL OPEN (to)	1:00
DURATION (min.)	60
FINAL SHUT-IN	
TOOL CLOSED (from)	1:00
TOOL CLOSED (to)	2:00
DURATION (min.)	60

PRESSURE READINGS

INITIAL HYDROSTATIC	1649	
INITIAL FLOW	86	
FINAL INITIAL FLOW	140	
INITIAL SHUT-IN	896	
INITIAL FINAL FLOW	145	
FINAL FLOW	229	
FINAL SHUT-IN	806	
FINAL HYDROSTATIC	1624	
MAXIMUM TEMPERATURE		104
TOP RECORDER DEPTH	3226	
RECORDER NUMBER	91981	
BOTTOM RECORDER DEPTH	3227	
RECORDER NUMBER	13208	

INITIAL BLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 24 MINUTES

FINAL BLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 32 MINUTES

EXTRA EQUIPMENT

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

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **VONFELDT DRILLING RIG # 1**

DRILL PIPE LENGTH **3106**

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 **9.2**

VISCOSITY **55**

WATER LOSS **8**

CHLORIDES-PITS **8000**

CHLORIDES-DST **28000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	100	SLIGHTLY OIL CUT THICK HEAVY MUD				
2)	120	MUDDY WATER WITH A TRACE OF OIL				
3)	120	MUDDY WATER WITH A TRACE OF OIL CHLORIDES 28000				
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

1853 KB

Date 07-06-04 Location C 5/8 - N 1/2 27-15-12 W Elevation 184866 County Russell

Company Rice production Company Number of Copies 5

Charts Mailed to 1219 Random Road Haining to J Kansas 67544

Drilling Contractor Vonfeldt Drilling R. 6 #1

Length Drill Pipe 3239 I.D. Drill Pipe 3.50 Tool Joint Size 4 1/2" V.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 3253 Bottom Packer Depth 3258 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3258 TO 3293 ANCHOR LENGTH 35 TOTAL DEPTH 3293 Hole Size 7 7/8"

LEASE & WELL NO. Kaufman #A-6 FORMATION TESTED Arbuckle TEST NO. 2

Mud Weight 9.2 Viscosity 55 Water Loss 8 Chlorides - Pits 8000 D.S.T.

Maximum Temp. 103 °F Initial Hydrostatic Pressure (A) 1648 P.S.I. Final Hydrostatic Pressure (H) 1642 P.S.I.

Tool Open I.F.P. from 2:45 p.m. to 3:15 p.m. 30 min

Tool Closed I.C.I.P. from 3:15 p.m. to 3:45 p.m. 30 min

Tool Open F.F.P. from 3:45 p.m. to 4:15 p.m. 30 min

Tool Closed F.C.I.P. from 4:15 p.m. to 4:45 p.m. 30 min

Initial Blow Very weak blow for 3 minutes & Disco

Final Blow no blow

Total Feet Recovered 5 Gravity of Oil Corrected

5 Feet of oil cut mud with approx 6 inch clean % Gas % Oil % Mud % Water

Feet of oil on 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

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. 91981 Clock No. Electron Depth 3289 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 27441 Depth 3290 Insurance NONE

Price of Job

Tool Operator Don Sudix

Approved By

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N2 12202

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

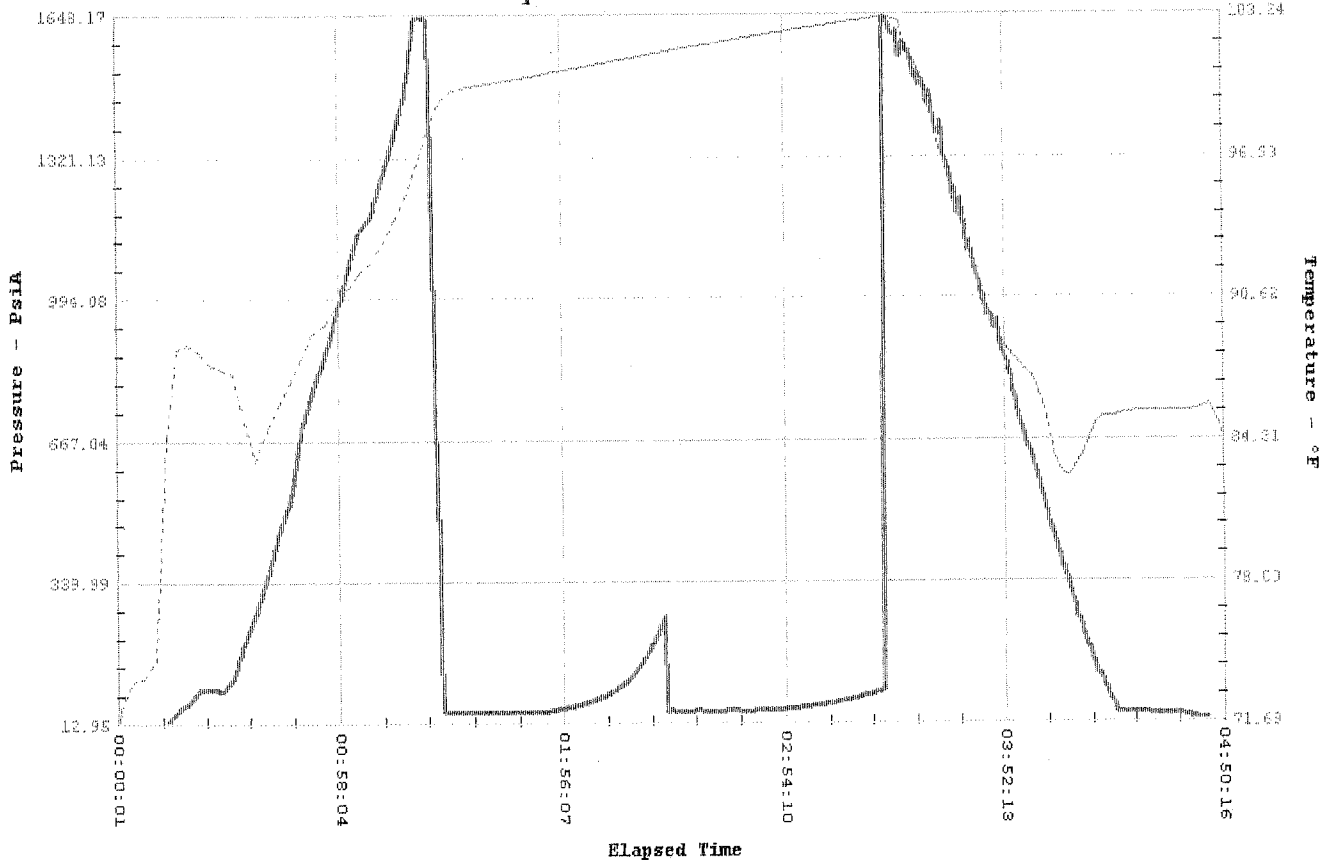
CHART DATA

(316) 792-6902

State KANSAS
County RUSSELL
Field

Test Date July 6, 2004
Sec Town Range 27-15S-12W
Report Number 12202

Temperature / Pressure Data



Field Reading

(1)	Initial Hydrostatic Pressure	1648
(2)	Initial Flow Pressure	40
(3)	Final Initial Flow Pressure	45
(4)	Initial Shut-In Pressure	260
(5)	Initial Final Flow Pressure	42
(6)	Final Flow Pressure	45
(7)	Final Shut-In Pressure	91
(8)	Final Hydrostatic Pressure	1642

ELECTRONIC RECORDER DEPTH 3289 FT, RECORDER NUMBER 91981

Company: RICE PRODUCTION COMPANY Lease & Well No. KAUFMAN #A-6 Test #: 2 Date: 07-06-2004 SEC. 27
WP. 15S RGE. 12W

SUPERIOR TESTERS ENTERPRISES INC.**DRILL STEM TEST REPORT**

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	RICE PRODUCTION COMPANY	LEASE AND WELL NUMBER	KAUFMAN #A-6
TEST DATE	7/6/2004	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	27-15S-12W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	12202
COUNTY	RUSSELL	ELEVATION KELLY BUSHINGS	1853
ELEVATION GROUND LEVEL	1848	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	RANDY KILIAN		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3258	TOP PACKER DEPTH	3253
TEST INTERVAL (to)	3293	BOTTOM PACKER DEPTH	3258
ANCHOR LENGTH	35	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3293	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	2:45
TOOL OPEN (to)	3:15
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	3:15
TOOL CLOSED (to)	3:45
DURATION (min.)	30

FINAL OPEN

TOOL OPEN (from)	3:45
TOOL OPEN (to)	4:15
DURATION (min.)	30

FINAL SHUT-IN

TOOL CLOSED (from)	4:15
TOOL CLOSED (to)	4:45
DURATION (min.)	30

PRESSURE READINGS

INITIAL HYDROSTATIC	1648
INITIAL FLOW	40
FINAL INITIAL FLOW	45
INITIAL SHUT-IN	260
INITIAL FINAL FLOW	42
FINAL FLOW	45
FINAL SHUT-IN	91
FINAL HYDROSTATIC	1642
MAXIMUM TEMPERATURE	103
TOP RECORDER DEPTH	3289
RECORDER NUMBER	91981
BOTTOM RECORDER DEPTH	3290
RECORDER NUMBER	13208

INITIAL BLOW

VERY WEAK BLOW FOR 3 MINUTES AND DIED

FINAL BLOW

NO BLOW

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
MILES TO LOCATION	34	SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **VONVELDT DRILLING RIG #1**

DRILL PIPE LENGTH **3239**

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 **9.2**

VISCOSITY **55**

WATER LOSS **8**

CHLORIDES-PITS **8000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	5	OIL CUT MUD WITH APPROX. 6 INCHES OF CLEAN OIL ON TOP				
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 07-07-04 Location C 3/4 W 27-15-12 Elevation 1853 KB County Russell

Company Rice Production Company Number of Copies 5

Charts Mailed to 1219 Random Road, Hoisterton, Kansas 67544

Drilling Contractor Donford Drilling Rig #1

Length Drill Pipe 3238 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11

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 3252 Bottom Packer Depth 3257 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3257 TO 3297 ANCHOR LENGTH 40 TOTAL DEPTH 3297 Hole Size 2 7/8"

LEASE & WELL NO. Koutman # A-6 FORMATION TESTED Arbuckle TEST NO. 3

Mud Weight 9.2 Viscosity 55 Water Loss 8 Chlorides - Pits 8000 D.S.T. _____

Maximum Temp. 99 °F Initial Hydrostatic Pressure (A) 1661 P.S.I. Final Hydrostatic Pressure (H) 1632 P.S.I.

Tool Open I.F.P. from 1:45 A.M. to 2:15 A.M. 30 min

Tool Closed I.C.I.P. from 2:15 A.M. to 2:45 A.M. 30 min

Tool Open F.F.P. from 2:45 A.M. to 3:15 A.M. 30 min

Tool Closed F.C.I.P. from 3:15 A.M. to 4:00 A.M. 45 min

Initial Blow WEAK blow built to 3/4 inches & DECREASED to a very weak intermittent

Final Blow NO blow

Total Feet Recovered 5 Gravity of Oil _____ Corrected _____

5 Feet of Very SLIGHTLY oil cut mud % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of with a SLIGHT show of free oil on 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 _____

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. 91981 Clock No. Electronic Depth 3293 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 42441 Depth 3294 Insurance NONE

Price of Job _____

Tool Operator Gene Budig

Approved By _____

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N2 12203

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

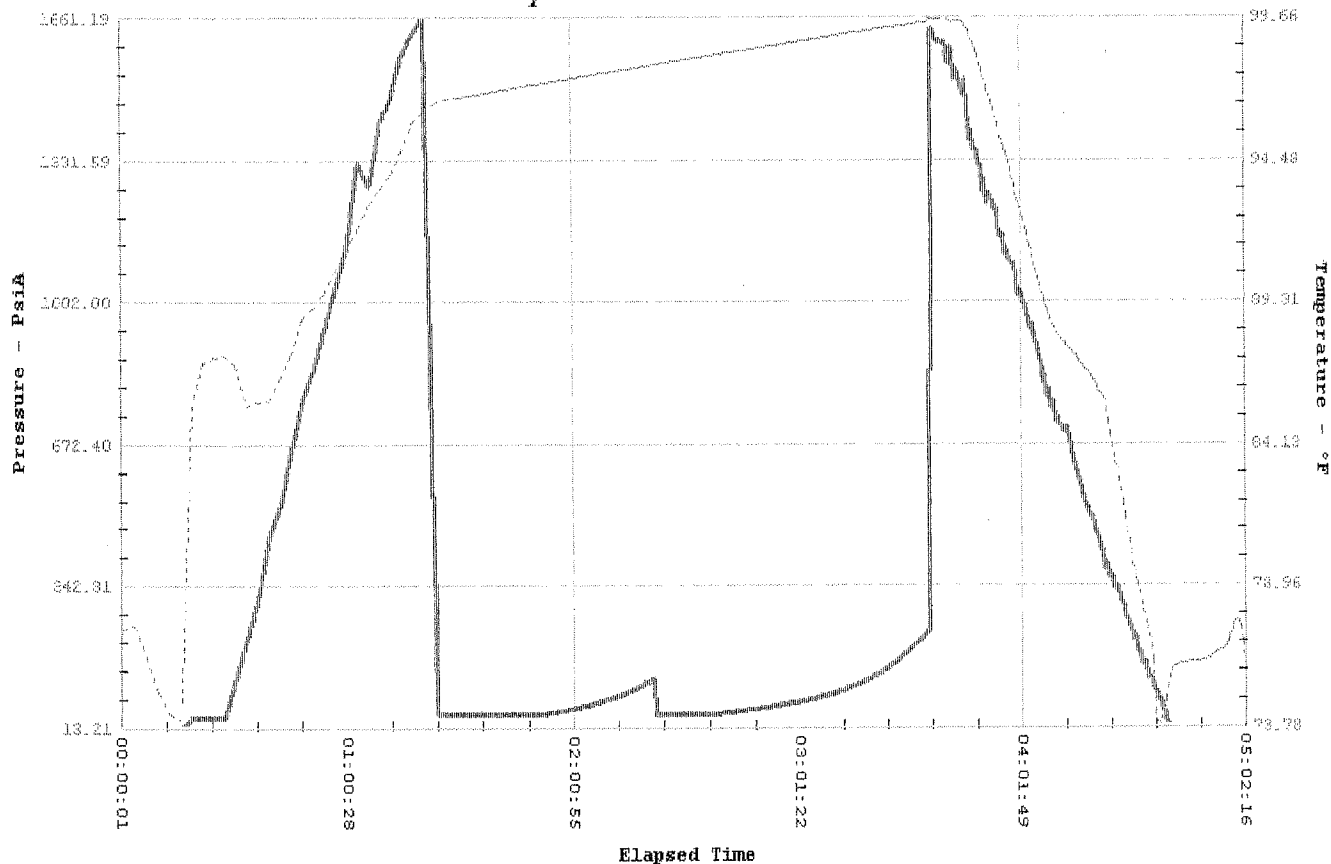
(316) 792-6902

State KANSAS
County RUSSELL
Field

Test Date July 7, 2004
Sec Town Range 27-15S-12W
Report Number 12203

Company: RICE PRODUCTION COMPANY Lease & Well No. KAUFMAN #A-6 Test #: 3 Date: 07-07-2004 SEC. 27
WP. 15S RGE. 12W

Temperature / Pressure Data



Field Reading

(1)	Initial Hydrostatic Pressure	1661
(2)	Initial Flow Pressure	45
(3)	Final Initial Flow Pressure	46
(4)	Initial Shut-In Pressure	128
(5)	Initial Final Flow Pressure	46
(6)	Final Flow Pressure	47
(7)	Final Shut-In Pressure	239
(8)	Final Hydrostatic Pressure	1632

ELECTRONIC RECORDER DEPTH 3293 FT, RECORDER NUMBER 91981

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **VONFELDT DRILLING RIG #1**

DRILL PIPE LENGTH **3238**

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 **9.2**

VISCOSITY **55**

WATER LOSS **8**

CHLORIDES-PITS **8000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECRPTION	% GAS	% OIL	% MUD	% WATER
1)	5	VERY SLIGHTLY OIL CUT MUD WITH A SLIGHT SHOW OF FREE OIL ON TOP				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS