

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 12/09/06 Location 08-001-224 Elevation 2295 County Graham
 Company Ritchie Exploration Number of Copies 5
 Charts Mailed to PO Box 783188 Wichita, KS 67278-3188
 Drilling Contractor W W #6
 Length Drill Pipe 3455 I.D. Drill Pipe 3.8 Tool Joint Size 4.5
 Length Weight Pipe 0 I.D. Weight Pipe 2.25 Tool Joint Size 4.5
 Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4.5
 Top Packer Depth 3590 Bottom Packer Depth 3595 Number of Packers 2 Packer Size 6.75
 TESTED FROM 3595 TO 3637 ANCHOR LENGTH 42' TOTAL DEPTH 3637 Hole Size 7 7/8"
 LEASE & WELL NO. #1 vesper-blanchard INFORMATION TESTED Lower HC. Cased TEST NO. 1
 Mud Weight 9.0 Viscosity 55 Water Loss 7.8 Chlorides - Pits 1900 D.S.T. 1689
 Maximum Temp. 109 °F Initial Hydrostatic Pressure (A) 1644 P.S.I. Final Hydrostatic Pressure (H) 1689 P.S.I.
 Tool Open I.F.P. from 9:00 Pm to 9:30 Pm 30 min
 Tool Closed I.C.I.P. from 9:30 Pm to 10:15 Pm 45 min
 Tool Open F.F.P. from 10:15 Pm to 11:00 Pm 45 min
 Tool Closed F.C.I.P. from 11:00 Pm to 12:30 Am 90 min
 Initial Blow Strong blow built to bottom of bucket in 6 min
 Final Blow Strong blow built to bottom of bucket in 16 min
 Total Feet Recovered 810 Fluid 810 Gravity of Oil 34 Corrected

Feet of	% Gas	% Oil	% Mud	% Water
<u>150</u> Feet of <u>oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>60</u> Feet of <u>water muddy oil cut water</u>	<u>25</u>	<u>20</u>	<u>55</u>	<u>0</u>
<u>60</u> Feet of <u>oil cut muddy water</u>	<u>10</u>	<u>30</u>	<u>60</u>	<u>0</u>
<u>300</u> Feet of <u>water</u>	<u>5</u>	<u>5</u>	<u>95</u>	<u>0</u>
<u>120</u> Feet of <u>oil cut muddy water</u>	<u>3</u>	<u>7</u>	<u>90</u>	<u>0</u>
<u>60</u> Feet of <u>salt water</u>	<u>0</u>	<u>0</u>	<u>100</u>	<u>0</u>
<u>60</u> Feet of <u>oil spotted mud cut water</u>	<u>2</u>	<u>3</u>	<u>95</u>	<u>0</u>
<u>Feet of</u> <u>chlorides 52,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Remarks

Extra Equipment - Jars no Safety Joint no Extra Packer no Straddle no Hook Wall no
 Top Recorder No. 4005 Clock No. Electronix Depth 3633 Cir. Sub no Sampler no
 Bottom Recorder No. 3875 Clock No. 7441 Depth 3634 Insurance none

Price of Job _____
 Tool Operator lm
 Approved By _____
 No 14671

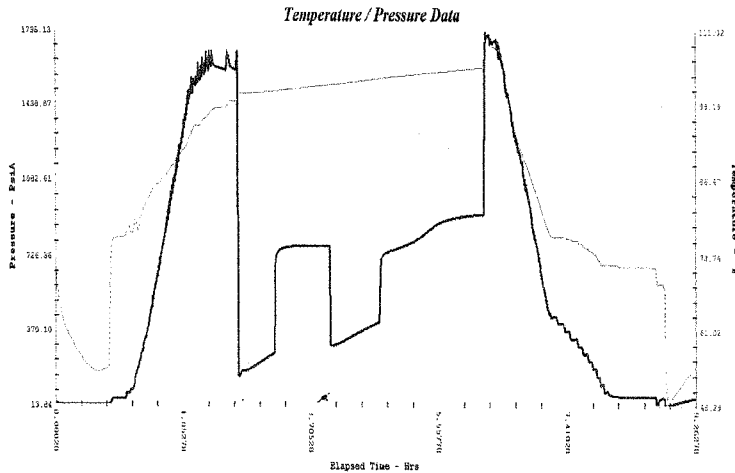
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SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



- | | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1694 |
| 2 | Initial Flow Pressure | 152 |
| 3 | Final Initial Flow Pressure | 261 |
| 4 | Initial Shut-In Pressure | 774 |
| 5 | Initial Final Flow Pressure | 298 |
| 6 | Final Flow Pressure | 410 |
| 7 | Final Shut-In Pressure | 925 |
| 8 | Final Hydrostatic Pressure | 1689 |

Maximum Temperature 109

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 12/9/06

SECTION-TOWN-RANGE 08-09-22W

STATE KANSAS

COUNTY GRAHAM

ELEVATION GROUND LEVEL 2295

COMPANY REPRESENTATIVE MIKE ENGELBRECHT

LEASE AND WELL NUMBER #1 VESPER-BRANDYBECK

FORMATION TESTED LOWER K.C. C&D

DRILL STEM TEST NUMBER 1

REPORT NUMBER 14671

ELEVATION KELLY BUSHINGS 2298

TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3595

TEST INTERVAL (to) 3637

ANCHOR LENGTH 42

TOTAL DEPTH (ft) 3637

TOP PACKER DEPTH 3590

BOTTOM PACKER DEPTH 3595

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 9:00

TOOL OPEN (from) 10:15

INITIAL OPEN TOOL OPEN (to) 9:30

FINAL OPEN TOOL OPEN (to) 11:00

DURATION (min.) 30

DURATION (min.) 45

TOOL CLOSED (from) 9:30

TOOL CLOSED (from) 11:00

INITIAL SHUT-IN TOOL CLOSED (to) 10:15

FINAL SHUT-IN TOOL CLOSED (to) 12:30

DURATION (min.) 45

DURATION (min.) 90

INITIAL FLOW

STRONG BLOW BUILT TO BOTTOM OF BUCKET IN 6 MINUTES

FINAL FLOW

STRONG BLOWBUILT TO BOTTOM OF BUCKET IN 16 MINUTES

		RESISTIVITY	AT	DEGREES	CHLORIDES	52000			
FEET OF		RECOVERY			%	%	%	%	
Recovery		DESCRIPTION			GAS	OIL	MUD	WATER	
1)	150	OIL 34				100			
2)	60	MUDDY OIL CUT WATER				25	20	55	
3)	60	OIL CUT MUDDY WATER				10	30	60	
4)	300	SALT WATER CHLORIDES 52,000					5	95	
5)	120	OIL CUT MUDDY WATER				3	7	90	

Company: RITCHIE EXPLORATION
SEC. 08 TWP. 09 RGE. 22W

Lease & Well No: #1 VESPER-BRANDYBECK

Test #: 1

Date: 12/09/06

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RITCHIE EXPLORATION	LEASE AND WELL NUMBER	#1 VESPER BRANDYBERRY
TEST DATE	12/9/06	FORMATION TESTED	LOWER K.C. C&D
SECTION-TOWN-RANGE	08-09-22W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14671
COUNTY	GRAHAM	ELEVATION KELLY BUSHINGS	2298
ELEVATION GROUND LEVEL	2295	TESTING ENGINEER	KEVIN WEBSTER
COMPANY REPRESENTATIVE	MIKE ENGELBRECHT		

EXTRA EQUIPMENT

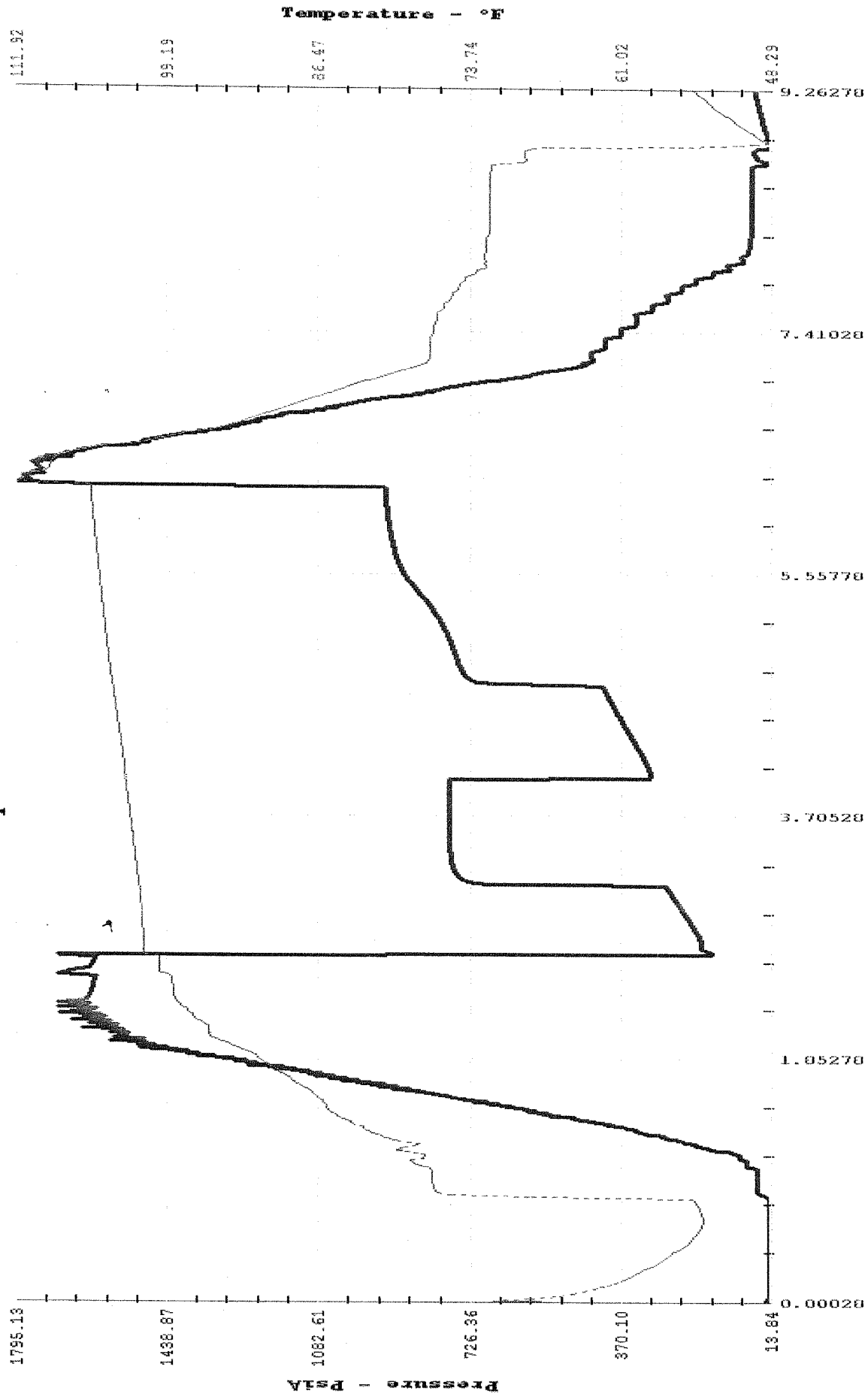
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	270 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3633	BOTTOM RECORDER DEPTH	3634
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	WW #6	DRILL COLLAR LENGTH	120
DRILL PIPE LENGTH	3455	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	NONE	MUD WEIGHT #/GAL	9
WEIGHT PIPE I.D.	2.25	VISCOSITY	55
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	7.8
		CHLORIDES-PITS	1,900
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 12/10/06 Location 08-09-22 Elevation 2295 County Graham

Company WITCHITA EXPLORATION Number of Copies 5

Charts Mailed to PO BOX 783188 WITCHITA, KS 67278

Drilling Contractor W W # 6

Length Drill Pipe 0 I.D. Drill Pipe 3.8 Tool Joint Size 4.5

Length Weight Pipe 0 I.D. Weight Pipe 2.25 Tool Joint Size 4.5

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4.5

Top Packer Depth 3634 Bottom Packer Depth 3639 Number of Packers 2 Packer Size 6.75

TESTED FROM 3639 TO 3668 ANCHOR LENGTH 29' TOTAL DEPTH 3668 Hole Size 7 7/8

LEASE & WELL NO. HIVESTER BRAND BELL FORMATION TESTED Lower K.C.F TEST NO. 2

Mud Weight 9.2 Viscosity 56 Water Loss 7.6 Chlorides - Pits 2000 D.S.T. 1746

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1713 P.S.I. Final Hydrostatic Pressure (H) 1746 P.S.I.

Tool Open I.F.P. from 11:45 A to 12:15 P 30 min

Tool Closed I.C.I.P. from 12:15 P to 1:00 P 45 min

Tool Open F.F.P. from 1:00 P to 1:45 P 45 min

Tool Closed F.C.I.P. from 1:45 P to 2:45 P 60 min

Initial Blow weak surface blow built to 5"

Final Blow weak surface blow built to 6"

Total Feet Recovered 239 Gravity of Oil 10.1 Corrected 40.1

150 Feet of Electronically Drilled % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

60 Feet of Oil cut muddy water % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

60 Feet of muddy water % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

Feet of chlorides 58,000 % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

Feet of chlorides 58,000 % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

Feet of chlorides 58,000 % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

Feet of chlorides 58,000 % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

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Feet of chlorides 58,000 % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

Feet of chlorides 58,000 % Gas 10.1 % Oil 9.5 % Mud 3.5 % Water 90.0

Remarks NO

Extra Equipment - Jars NO Safety Joint NO Extra Packer NO Straddle NO Hook Wall NO

Top Recorder No. 4025 Clock No. ELECTRONIC Depth 3664 Cir. Sub NO Sampler NO

Bottom Recorder No. 3875 Clock No. 7441 Depth 3665 Insurance None

Price of Job 28000

Tool Operator W W # 6

Approved By N 14672

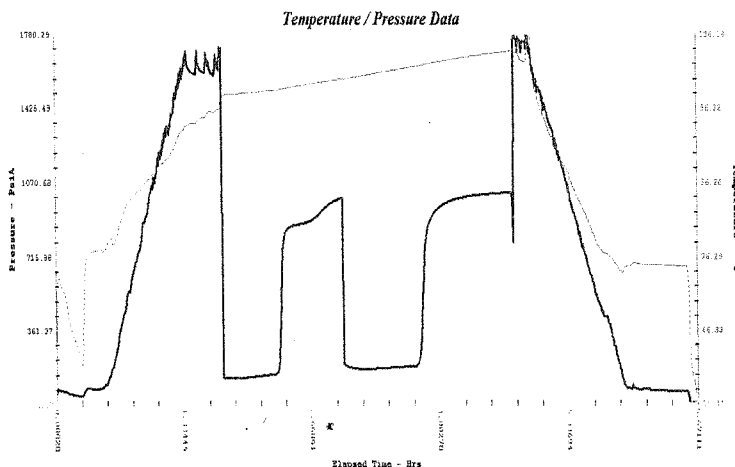
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1713
2	Initial Flow Pressure	138
3	Final Initial Flow Pressure	153
4	Initial Shut-In Pressure	996
5	Initial Final Flow Pressure	199
6	Final Flow Pressure	189
7	Final Shut-In Pressure	1022
8	Final Hydrostatic Pressure	1746

Maximum Temperature 104

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 12/10/06

LEASE AND WELL NUMBER #1 VESPER-BRANDYBER

SECTION-TOWN-RANGE 08-09-22W

FORMATION TESTED LOWER K.C. E&F

STATE KANSAS

DRILL STEM TEST NUMBER 2

COUNTY GRAHAM

REPORT NUMBER 14672

ELEVATION GROUND LEVEL 2295

ELEVATION KELLY BUSHINGS 2298

COMPANY REPRESENTATIVE MIKE ENGELBRECHT TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3639

TOP PACKER DEPTH 3634

TEST INTERVAL (to) 3668

BOTTOM PACKER DEPTH 3639

ANCHOR LENGTH 29

NUMBER OF PACKERS 2

TOTAL DEPTH (ft) 3668

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 11:45

TOOL OPEN (from) 1:00

INITIAL OPEN TOOL OPEN (to) 12:15

FINAL OPEN TOOL OPEN (to) 1:45

DURATION (min.) 30

DURATION (min.) 45

TOOL CLOSED (from) 12:15

TOOL CLOSED (from) 1:45

INITIAL SHUT-IN TOOL CLOSED (to) 1:00

FINAL SHUT-IN TOOL CLOSED (to) 2:45

DURATION (min.) 45

DURATION (min.) 60

INITIAL FLOW WEAK SURFACE BLOW BUILT TO 5"

FINAL FLOW WEAK SURFACE BLOW BUILT TO 6"

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY			%	%	%	%
Recovery	DESCRIPTION			GAS	OIL	MUD	WATER
1) 50	10' OIL 40' WATER						
2) 60	OIL CUT MUDDY WATER				10	55	35
3) 60	MUDDY WATER					10	90
4)							
5)							

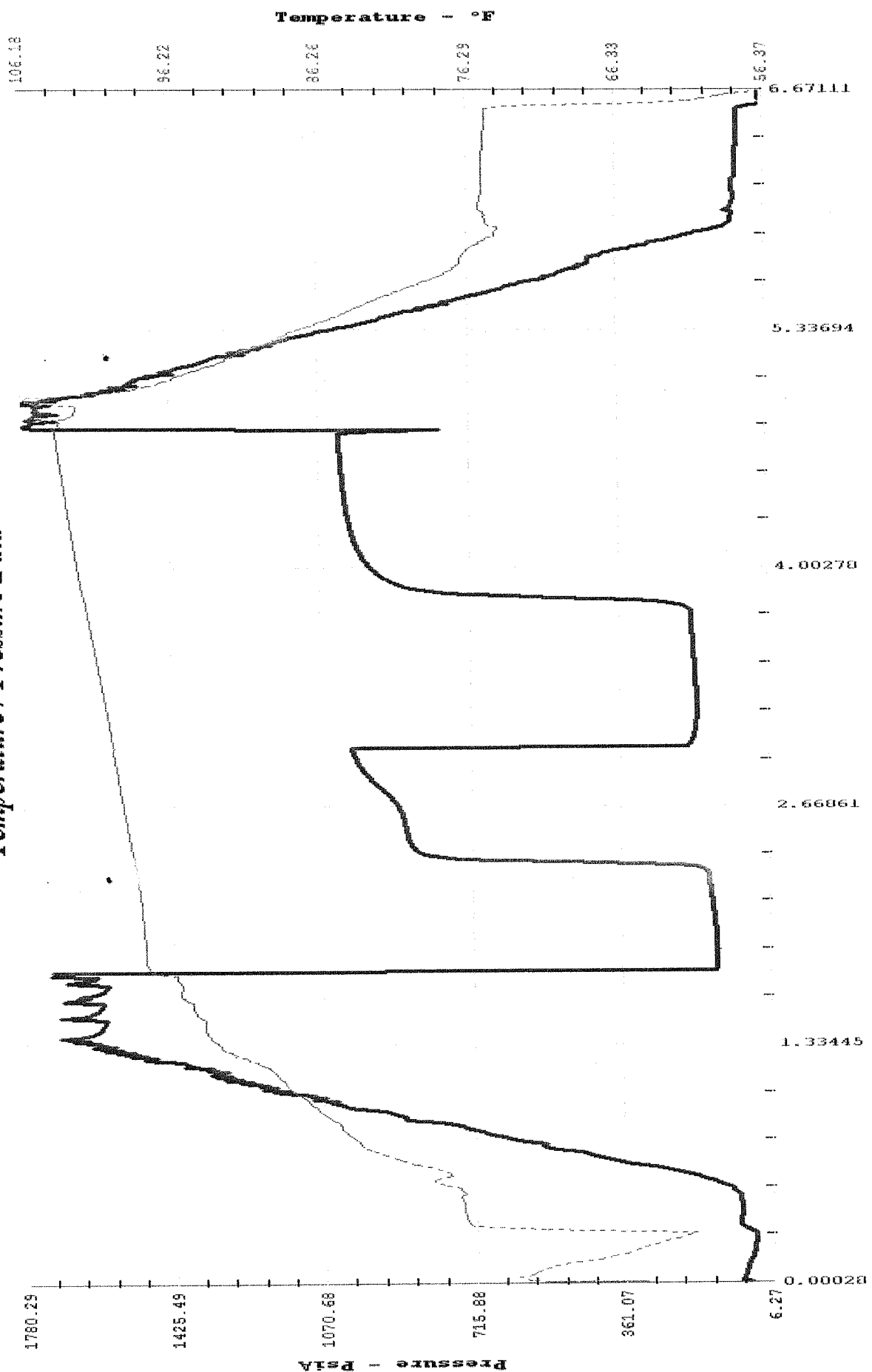
Company: RITCHIE EXPLORATION
SEC. 08 TWP. 09 RGE. 22W

Lease & Well No: #1 VESPER-BRANDYBERRY Test #: 2

Date: 12/10/06

GREAT BEND, KANSAS 67530 (800)792-6902

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 12/11/06 Location OS-09-22 Elevation 830 County Graham

Company Ritchie Exploration Number of Copies 5

Charts Mailed to PO BOX 783188 WICHITA KS 67278

Drilling Contractor WV #6

Length Drill Pipe 9539 I.D. Drill Pipe 3.8 Tool Joint Size 4.5

Length Weight Pipe 0 I.D. Weight Pipe — Tool Joint Size —

Length Drill Collars 126 I.D. Drill Collars 2.25 Tool Joint Size 4.5

Top Packer Depth 3685 Bottom Packer Depth 3690 Number of Packers 2 Packer Size 6.75

TESTED FROM 3690 TO 3624 ANCHOR LENGTH 74' TOTAL DEPTH 3724 Hole Size 7 7/8

LEASE & WELL NO. #10384-Bandy FORMATION TESTED LAWRENCE H TEST NO. 3

Mud Weight 9.2 Viscosity 56 Water Loss 7.6 Chlorides - Pits 2000 D.S.T. —

Maximum Temp. 102 °F Initial Hydrostatic Pressure (A) 1705 P.S.I. Final Hydrostatic Pressure (H) 1705 P.S.I.

Tool Open I.F.P. from 3:35 A.M. to 4:05 A.M. 30 min

Tool Closed I.C.I.P. from 4:05 A.M. to 4:35 A.M. 30 min

Tool Open F.F.P. from 4:35 A.M. to 5:05 A.M. 30 min

Tool Closed F.C.I.P. from 5:05 A.M. to 5:35 A.M. 30 min

Initial Blow Weak surface blow died in 11 minutes

Final Blow Weak surface blow died in 10 minutes

Total Feet Recovered 20 Gravity of Oil — Corrected —

20 Feet of Oil cut Mud %Gas 15 %Oil 85 %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 NO Safety Joint NO Extra Packer NO Straddle NO Hook Wall NO

Top Recorder No. 4405 Clock No. ELECTRONIC Depth 3720 Cir. Sub NO Sampler NO

Bottom Recorder No. 3875 Clock No. 7441 Depth 3721 Insurance none

Price of Job —

Tool Operator WV

Approved By —

No 14673

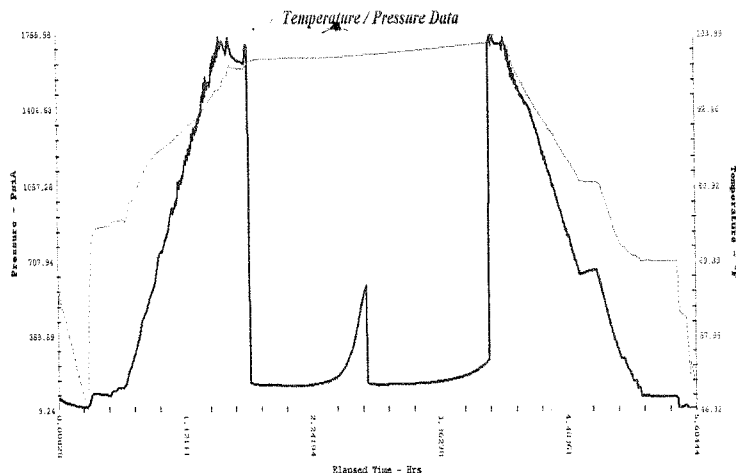
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1705
2	Initial Flow Pressure	140
3	Final Initial Flow Pressure	125
4	Initial Shut-In Pressure	597
5	Initial Final Flow Pressure	135
6	Final Flow Pressure	134
7	Final Shut-In Pressure	246
8	Final Hydrostatic Pressure	1705

Maximum Temperature 102

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 12/11/06

SECTION-TOWN-RANGE 08-09-22W

STATE KANSAS

COUNTY GRAHAM

ELEVATION GROUND LEVEL 2298

LEASE AND WELL NUMBER #1 VESPER-BRANDYBER

FORMATION TESTED LOWER K.C. H

DRILL STEM TEST NUMBER 3

REPORT NUMBER 14673

ELEVATION KELLY BUSHINGS 2301

COMPANY REPRESENTATIVE MIKE ENGELBRECHT TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3690

TEST INTERVAL (to) 3624

ANCHOR LENGTH -66

TOTAL DEPTH (ft) 3624

TOP PACKER DEPTH 3685

BOTTOM PACKER DEPTH 3690

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 3:35

INITIAL OPEN TOOL OPEN (to) 4:05

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 4:35

TOOL OPEN (to) 5:05

DURATION (min.) 30

TOOL CLOSED (from) 4:05

INITIAL SHUT-IN TOOL CLOSED (to) 4:35

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 5:05

TOOL CLOSED (to) 5:35

DURATION (min.) 30

INITIAL FLOW WEAK SURFACE BLOW DIED IN 11 MINUTES

FINAL FLOW WEAK SURFACE BLOW DIED IN 10 MINUTES

RESISTIVITY

AT

DEGREES

CHLORIDES

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1) 20	OIL CUT MUD		10	90	
2)					
3)					
4)					
5)					

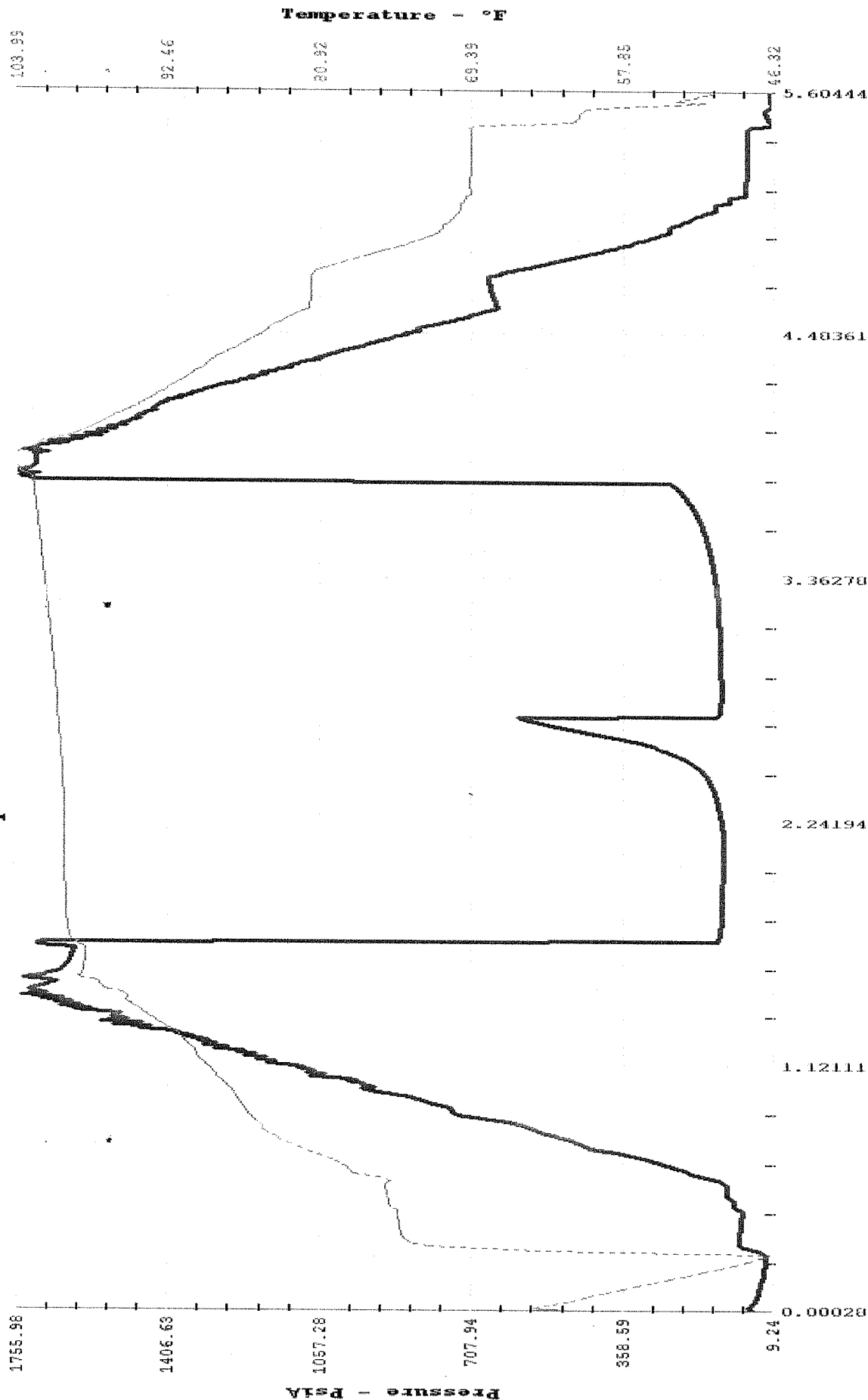
Company: RITCHIE EXPLORATION

SEC. 08 TWP. 09 RGE. 22W

Lease & Well No: #1 VESPER-BRANDYBER

Test #: 3 Date: 12/11/06

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 12/11/06 Location 08-09-220 Elevation 2248 County Graham

Company Ritchie Exploration Number of Copies 5

Charts Mailed to PO BOX 783188 WICHITA, KS 67278

Drilling Contractor W W #6

Length Drill Pipe 3584 I.D. Drill Pipe 3.8 Tool Joint Size 4.5

Length Weight Pipe 0 I.D. Weight Pipe — Tool Joint Size —

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4.5

Top Packer Depth 3716 Bottom Packer Depth 3721 Number of Packers 2 Packer Size 6.75

TESTED FROM 3721 TO 3764 ANCHOR LENGTH 43' TOTAL DEPTH 3764 Hole Size 7.38

LEASE & WELL NO. #1 vesper - Grand Bell FORMATION TESTED LKC. IDJ TEST NO. 4

Mud Weight 9.4 Viscosity 9 Water Loss 4.8 Chlorides - Pits 2100 D.S.T. —

Maximum Temp. 106 °F Initial Hydrostatic Pressure (A) 1714 P.S.I. Final Hydrostatic Pressure (H) 1777 P.S.I.

Tool Open I.F.P. from 5:13 P.M. to 5:43 P.M. 30 min

Tool Closed I.C.I.P. from 5:43 P.M. to 6:13 P.M. 30 min

Tool Open F.F.P. from 6:13 P.M. to 6:43 P.M. 30 min

Tool Closed F.C.I.P. from 6:43 P.M. to 7:13 P.M. 30 min

Initial Blow weak surface blow died 12 minutes

Final Blow weak surface blow died 1 minute

Total Feet Recovered 60' Gravity of Oil — Corrected —

60' Feet of slightly oil cut mud % Gas TR % Oil 100 % 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 NO Safety Joint NO Extra Packer NO Straddle NO Hook Wall NO

Top Recorder No. 4005 Clock No. Election's Depth 3760 Cir. Sub NO Sampler NO

Bottom Recorder No. 3875 Clock No. 7441 Depth 3761 Insurance none

Price of Job —

Tool Operator Ln

Approved By —

NO 14674

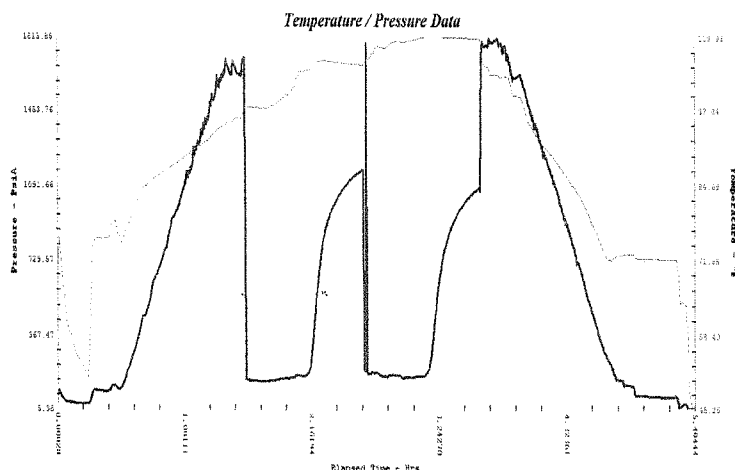
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SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



- 1 Initial Hydrostatic Pressure 1714
- 2 Initial Flow Pressure 155
- 3 Final Initial Flow Pressure 172
- 4 Initial Shut-In Pressure 1164
- 5 Initial Final Flow Pressure 167
- 6 Final Flow Pressure 167
- 7 Final Shut-In Pressure 1077
- 8 Final Hydrostatic Pressure 1777

Maximum Temperature 106

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 12/11/06

SECTION-TOWN-RANGE 08-09-22W

STATE KANSAS

COUNTY GRAHAM

ELEVATION GROUND LEVEL 2298

COMPANY REPRESENTATIVE MIKE ENGELBRECHT

LEASE AND WELL NUMBER #1 VESPER-BRANDYBECK

FORMATION TESTED L.K.C. I&J

DRILL STEM TEST NUMBER 4

REPORT NUMBER 14674

ELEVATION KELLY BUSHINGS 2301

TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3721

TEST INTERVAL (to) 3764

ANCHOR LENGTH 43

TOTAL DEPTH (ft) 3764

TOP PACKER DEPTH 3716

BOTTOM PACKER DEPTH 3721

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN TOOL OPEN (to) 5:43

DURATION (min.) 30

FINAL OPEN TOOL OPEN (to) 6:43

DURATION (min.) 30

TOOL CLOSED (from) 5:43

INITIAL SHUT-IN TOOL CLOSED (to) 6:13

DURATION (min.) 30

TOOL CLOSED (from) 6:43

FINAL SHUT-IN TOOL CLOSED (to) 7:13

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW DIED IN 12 MINUTES

FINAL FLOW

WEAK SURFACE BLOW DIED IN 1 MINUTE

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY	DESCRIPTION		% GAS	% OIL	% MUD	% WATER
1) 60		SLIGHTLY OIL CUT MUD			TR	100	
2)							
3)							
4)							
5)							

Company: RITCHIE EXPLORATION Lease & Well No: #1 VESPER-BRANDYBECK Test #: 4 Date: 12/11/06
SEC. 08 TWP. 09 RGE. 22W

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RITCHIE EXPLORATION	LEASE AND WELL NUMBER	#1 VESPER-BRANDYBERRY
TEST DATE	12/11/06	FORMATION TESTED	L.K.C. I&J
SECTION-TOWN-RANGE	08-09-22W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	14674
COUNTY	GRAHAM	ELEVATION KELLY BUSHINGS	2301
ELEVATION GROUND LEVEL	2298	TESTING ENGINEER	KEVIN WEBSTER
COMPANY REPRESENTATIVE	MIKE ENGELBRECHT		

EXTRA EQUIPMENT

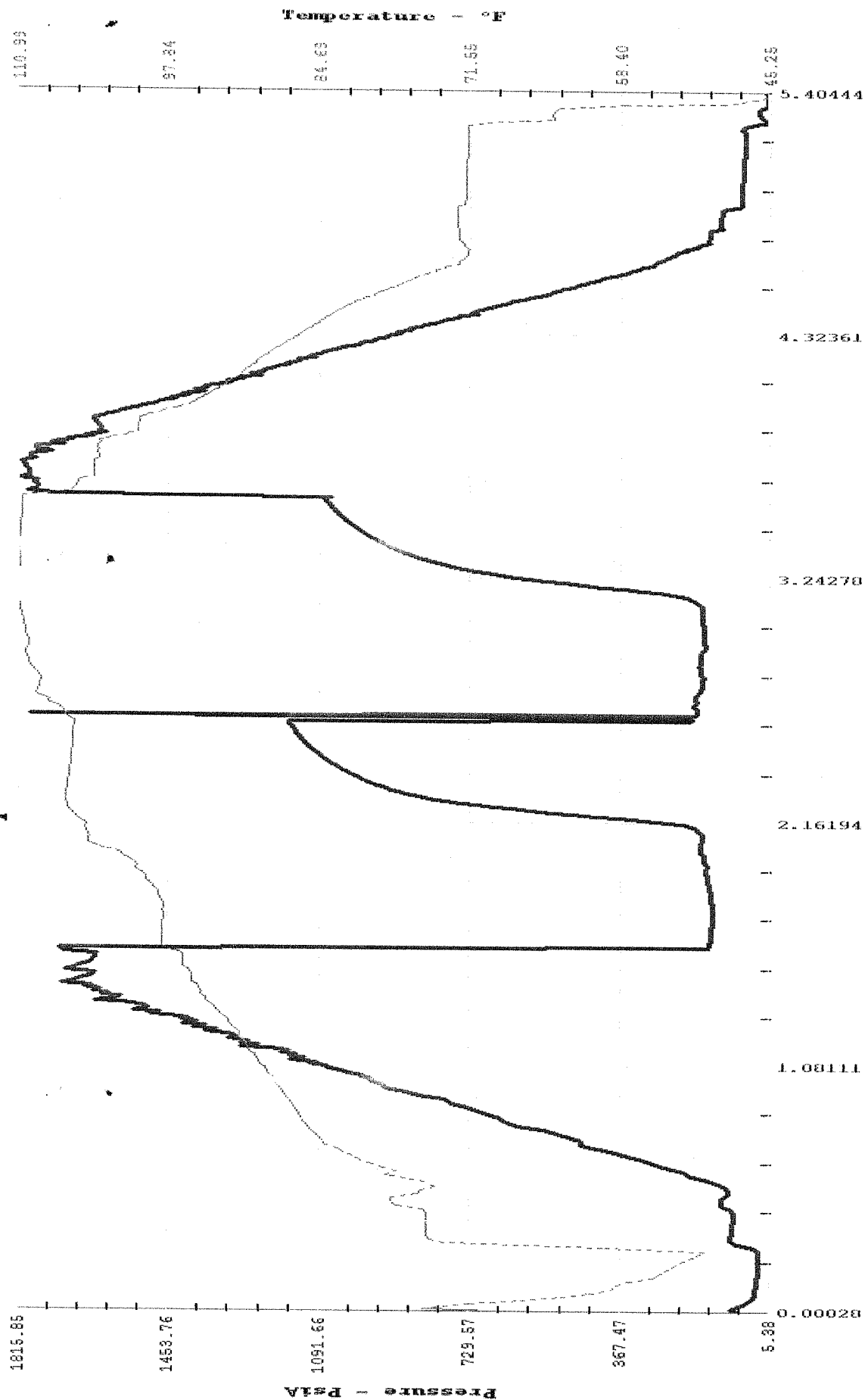
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3760	BOTTOM RECORDER DEPTH	3761
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	WW #6	DRILL COLLAR LENGTH	120
DRILL PIPE LENGTH	3584	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	NONE	MUD WEIGHT #/GAL	9.4
WEIGHT PIPE I.D.	2.25	VISCOSITY	57
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	8.8
		CHLORIDES-PITS	2,100
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 12/12/06 Location 08-09-22W Elevation 2298 County Graham

Company Ritchie Exploration Number of Copies 5

Charts Mailed to Pobox 783188 Wichita, KS 67278

Drilling Contractor WWH #6

Length Drill Pipe 3601 I.D. Drill Pipe 3.8 Tool Joint Size 4.5

Length Weight Pipe 0 I.D. Weight Pipe 0 Tool Joint Size 0

Length Drill Collars 120 I.D. Drill Collars 2.25 Tool Joint Size 4.5

Top Packer Depth 3753 Bottom Packer Depth 3758 Number of Packers 2 Packer Size 6.75

TESTED FROM 3758 TO 3784 ANCHOR LENGTH 26' TOTAL DEPTH 3784 Hole Size 7.375

LEASE & WELL NO. #1 Uaper-Blardy Bld FORMATION TESTED LKC, 'K' TEST NO. 5

Mud Weight 9.4 Viscosity 57 Water Loss 8.8 Chlorides - Pits 200 D.S.T. 0

Maximum Temp. 102 °F Initial Hydrostatic Pressure (A) 1713 P.S.I. Final Hydrostatic Pressure (H) 1658 P.S.I.

Tool Open I.F.P. from 5:08 A.M. to 5:38 A.M. 30 min

Tool Closed I.C.I.P. from 5:38 A.M. to 6:08 A.M. 30 min

Tool Open F.F.P. from 6:08 A.M. to 6:38 A.M. 30 min

Tool Closed F.C.I.P. from 6:38 A.M. to 7:08 A.M. 30 min

Initial Blow weak surface blow died in 13 minutes

Final Blow weak surface blow died in 1 minute

Total Feet Recovered 10' Gravity of Oil 0 Corrected 0

10' Feet of Drill Mud % Gas 0 % Oil 100 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

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Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Feet of 0 % Gas 0 % Oil 0 % Mud 0 % Water 0

Remarks

Extra Equipment - Jars NO Safety Joint NO Extra Packer NO Straddle NO Hook Wall NO

Top Recorder No. 4005 Clock No. ELECTRONIC Depth 3780 Cir. Sub NO Sampler NO

Bottom Recorder No. 3875 Clock No. 7441 Depth 3781 Insurance NONE

Price of Job

Tool Operator me

Approved By

NO 14675

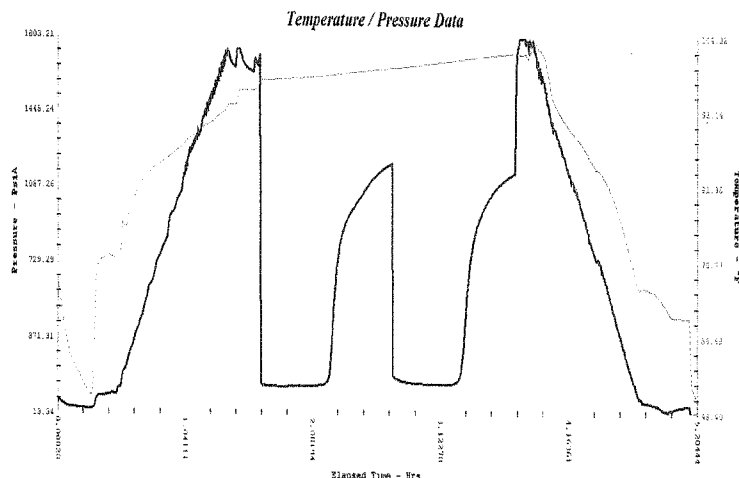
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SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



- 1 Initial Hydrostatic Pressure 1713
- 2 Initial Flow Pressure 154
- 3 Final Initial Flow Pressure 150
- 4 Initial Shut-In Pressure 1194
- 5 Initial Final Flow Pressure 184
- 6 Final Flow Pressure 152
- 7 Final Shut-In Pressure 1150
- 8 Final Hydrostatic Pressure 1658

Maximum Temperature 102

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 12/12/06

SECTION-TOWN-RANGE 08-09-22W

STATE KANSAS

COUNTY GRAHAM

ELEVATION GROUND LEVEL 2298

COMPANY REPRESENTATIVE MIKE ENGELBRECHT

LEASE AND WELL NUMBER #1 VESPER-BRANDYBER

FORMATION TESTED L.K.C. K

DRILL STEM TEST NUMBER 5

REPORT NUMBER 14675

ELEVATION KELLY BUSHINGS 2301

TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3758

TEST INTERVAL (to) 3784

ANCHOR LENGTH 26

TOTAL DEPTH (ft) 3784

TOP PACKER DEPTH 3753

BOTTOM PACKER DEPTH 3758

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 5:08

INITIAL OPEN

TOOL OPEN (to) 5:38

FINAL OPEN

TOOL OPEN (from) 6:08

TOOL OPEN (to) 6:38

DURATION (min.) 30

DURATION (min.) 30

TOOL CLOSED (from) 5:38

INITIAL SHUT-IN

TOOL CLOSED (to) 6:08

FINAL SHUT-IN

TOOL CLOSED (from) 6:38

TOOL CLOSED (to) 7:08

DURATION (min.) 30

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW DIED IN 13 MINUTES

FINAL FLOW

WEAK SURFACE BLOW DIED IN 1 MINUTE

RESISTIVITY

AT

DEGREES

CHLORIDES

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1)					
2)					
3)					
4)					
5)					

Company: RITCHIE EXPLORATION
SEC. 08 TWP. 09 RGE. 22W

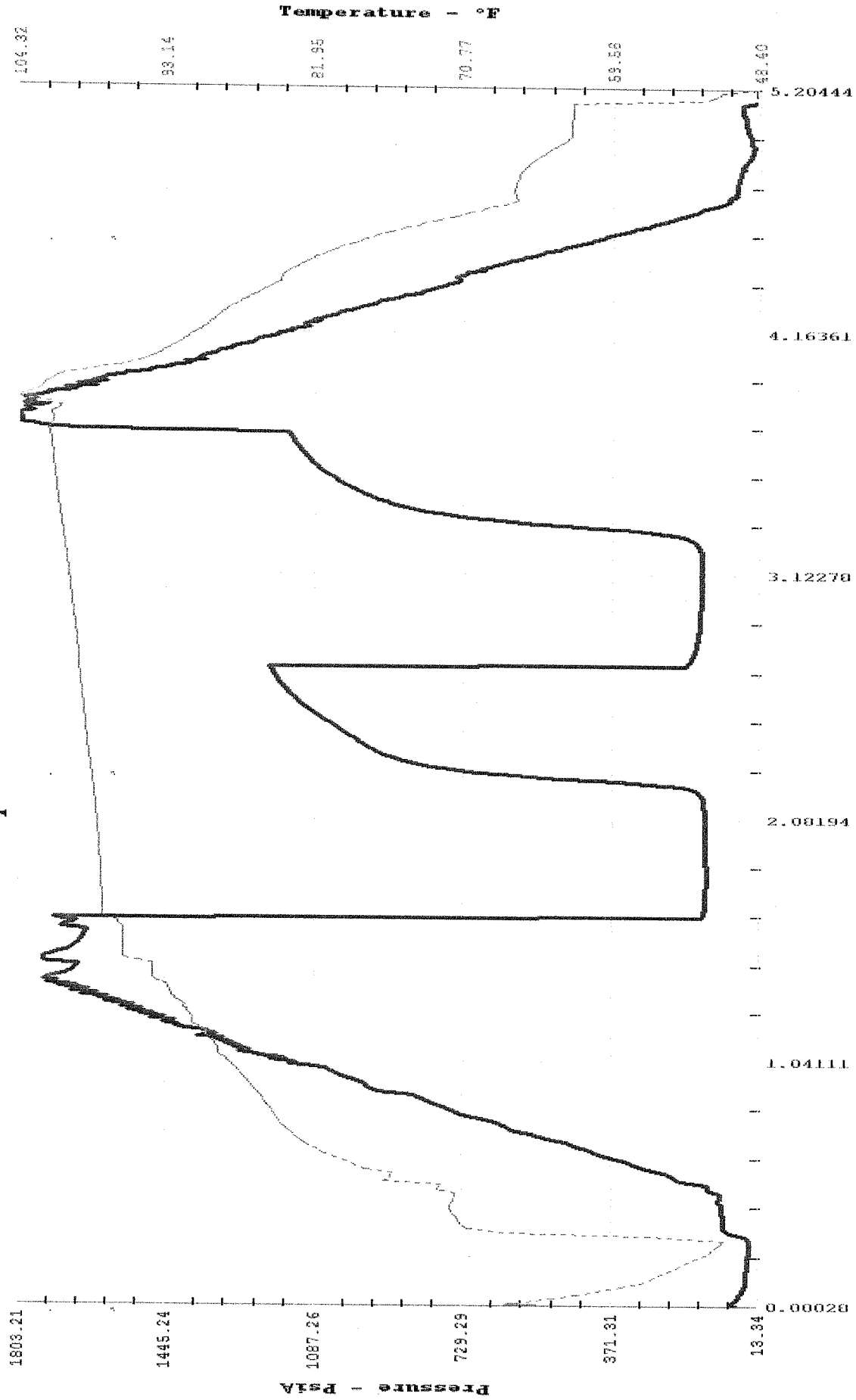
Lease & Well No: #1 VESPER-BRANDYBER

Test #: 3

Date: 12/12/06

GREAT BEND, KANSAS 67530 (800)792-6902

Temperature / Pressure Data



Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company Ritchie Exploration Inc
Address P.O. Box 783188 - Wichita Kansas 67278-3188
Lease & # VESPER-BRANDYBERRY #1 Sec. 08 Twp 09S Rng 22W
Date 12-13-2006 County Graham Elevation 2298 G.L. 2303 K.B.
Drilling Contractor WW #6
Drill Pipe Length 3815 I.D. of Drill Pipe 3.50 Tool Joint Size 4 1/2" X.H.
Drill Collar Length 120 I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.
Mud Weight 9.4 Viscosity 57 Filtrate 8.8 Chlorides-Pits 21000 DST
Top Packer Depth 3950 Bottom Packer Depth 3955 Number of Packers 2
Tested From 3955 to 3970 Total Depth 3970 Anchor Length 15
Test # 6 Formation Tested ARBUCKLE Hole Size 7 7/8
Initial Blow -

Blow back on the 1st Shut-in
Final Blow

Blow back on the 2nd Shut-in
Initial Hydrostatic _____ P.S.I. Final Hydrostatic _____ P.S.I. Maximum Temp. _____ F

Initial Opening _____ P.S.I. to _____ P.S.I.	from _____ : _____ m to _____ : _____ m	_____ minutes
Initial Shut-in _____ P.S.I.	from _____ : _____ m to _____ : _____ m	_____ minutes
Final Opening _____ P.S.I. to _____ P.S.I.	from _____ : _____ m to _____ : _____ m	_____ minutes
Final Shut-in _____ P.S.I.	from _____ : _____ m to _____ : _____ m	_____ minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
	Miss Run Could Not Get to Bottom				

Total Feet Recovered _____ Recovery Chlorides _____ Rw. _____ ohms @ _____ Degrees
Gravity of oil _____ Corrected Gas to Surface in _____ minutes into the _____
Max. Gas Gauged _____ MCF/day See Gas Flow Report Was a gas sample taken _____
Comments _____

Extra Equipment-Jars NONE Safety Joint NONE Circulating Sub NONE Straddle NONE
Electronic Recorder No. 4005 Depth 3966 Extra Packer (3rd) NONE Hook Wall NONE
Bottom Recorder No. 3875 Depth 3967 Extra Packer (4th) NONE Sampler NONE
Tool Operator Kevin Webster Approved By _____

Ticker No. 15000

Approved By

No 14671

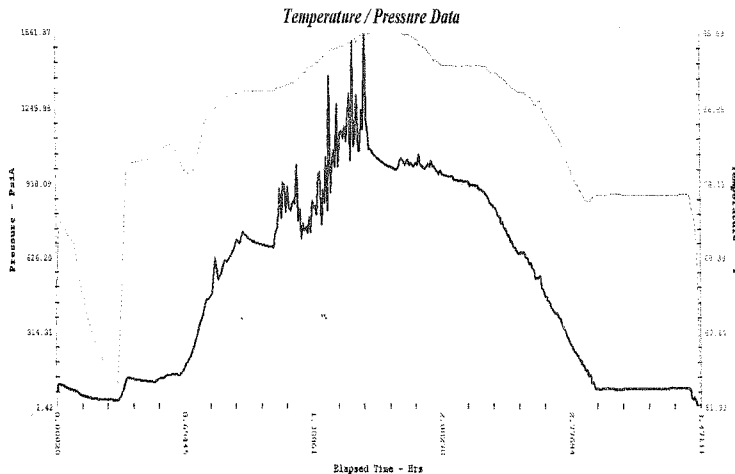
paid for at cost by the party for whom the test is made.

SUPERIOR TESTERS ENTERPRISES L.L.C.

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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



- 1 Initial Hydrostatic Pressure
- 2 Initial Flow Pressure
- 3 Final Initial Flow Pressure
- 4 Initial Shut-In Pressure
- 5 Initial Final Flow Pressure
- 6 Final Flow Pressure
- 7 Final Shut-In Pressure
- 8 Final Hydrostatic Pressure

Maximum Temperature

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 12/13/06

LEASE AND WELL NUMBER #1 VESPER-BRANDYBECK

SECTION-TOWN-RANGE 08-09-22W

FORMATION TESTED ARBUCKLE

STATE KANSAS

DRILL STEM TEST NUMBER 6

COUNTY GRAHAM

REPORT NUMBER

ELEVATION GROUND LEVEL 2298

ELEVATION KELLY BUSHINGS 2301

COMPANY REPRESENTATIVE MIKE ENGELBRECHT TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3955

TOP PACKER DEPTH 3950

BOTTOM PACKER DEPTH 3955

TEST INTERVAL (to) 3970

NUMBER OF PACKERS 2

ANCHOR LENGTH 15

PACKER SIZE 6 3/4

TOTAL DEPTH (ft) 3970

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from)

TOOL OPEN (from)

INITIAL OPEN

TOOL OPEN (to)

FINAL OPEN

TOOL OPEN (to)

DURATION (min.) 5

DURATION (min.) 45

TOOL CLOSED (from)

TOOL CLOSED (from)

INITIAL SHUT-IN TOOL CLOSED (to)

FINAL SHUT-IN

TOOL CLOSED (to)

DURATION (min.) 75

DURATION (min.) 60

INITIAL FLOW MISRUN DUE TO HOLE PROBLEMS

FINAL FLOW

RESISTIVITY		AT	DEGREES	CHLORIDES			
FEET OF	RECOVERY			%	%	%	%
Recovery	DESCRIPTION			GAS	OIL	MUD	WATER
1)							
2)							
3)							
4)							
5)							

Company: RITCHIE EXPLORATION Lease & Well No: #1 VESPER-BRANDYBECK Test #: 0 Date: 12/13/06
SEC. 08 TWP. 09 RGE. 22W

GREAT BEND, KANSAS 67530 (800) 792-6902

Temperature / Pressure Data

