

Ritchie Exploration
Emmons 1

23-17s-30w
15-101-22010

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 3/29/07 Location 23-17-30W Elevation 2866 County Camp
Company Ritchie Exploration Number of Copies 5

Charts Mailed to _____

Drilling Contractor Muffin 21

Length Drill Pipe 4342 I.D. Drill Pipe 2.25 Tool Joint Size 4.5

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

Length Drill Collars 182 I.D. Drill Collars 3.8 Tool Joint Size 4.5

Top Packer Depth 4500 Bottom Packer Depth 4505 Number of Packers 2 Packer Size 6.75

TESTED FROM 4505 TO 4554 ANCHOR LENGTH 49 TOTAL DEPTH 4554 Hole Size 7.8

LEASE & WELL NO. Emmons #1 FORMATION TESTED Johnson TEST NO. 1

Mud Weight 9.2 Viscosity 52 Water Loss 6.4 Chlorides - Pits 1500 D.S.T. _____

Maximum Temp. 123 °F Initial Hydrostatic Pressure (A) 2223 P.S.I. Final Hydrostatic Pressure (H) 2103 P.S.I.

Tool Open I.F.P. from 1225 m to 1255 m 30 min

Tool Closed I.C.I.P. from 1255 m to 1255 m 30 min

Tool Open F.F.P. from 1255 m to 1255 m 30 min

Tool Closed F.C.I.P. from 1255 m to 1255 m 30 min

Initial Blow weak surface blow

Final Blow weak surface blow

Total Feet Recovered 1201 Gravity of Oil _____ Corrected _____

120 Feet of Drill mud % Gas _____ % Oil 100 % Mud _____ % Water _____

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

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

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

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

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

Remarks _____

Extra Equipment - Jars yes Safety Joint yes Extra Packer no Straddle no Hook Wall no

Top Recorder No. 4005 Clock No. Electron Depth 4550 Cir. Sub no Sampler no

Bottom Recorder No. 2875 Clock No. 2441 Depth 4551 Insurance none

Price of Job _____

Tool Operator LM

Approved By _____

No 14134

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.

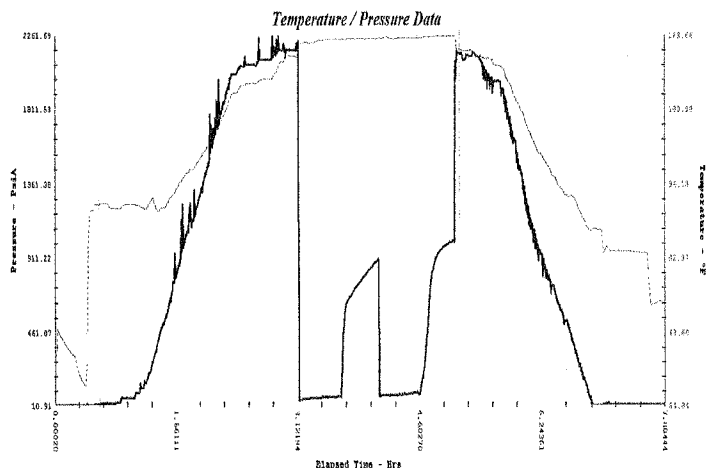
SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RITCHIE EXPLORATION Lease & Well No. EMMONS #1 Test #: 1 Date: 3/29/07 SEC. 23 TWP. 17
RGE. 30W



- 1 Initial Hydrostatic Pressure 2223
- 2 Initial Flow Pressure 45
- 3 Final Initial Flow Pressure 65
- 4 Initial Shut-In Pressure 902
- 5 Initial Final Flow Pressure 71
- 6 Final Flow Pressure 81
- 7 Final Shut-In Pressure 1006
- 8 Final Hydrostatic Pressure 2103

Maximum Temperature 123

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION

TEST DATE 3/29/07

SECTION-TOWN-RANGE 23-17-30W

STATE KANSAS

COUNTY LANE

ELEVATION GROUND LEVEL 2856

COMPANY REPRESENTATIVE TOM FUNK

LEASE AND WELL NUMBER EMMONS #1

FORMATION TESTED JOHNSON

DRILL STEM TEST NUMBER 1

REPORT NUMBER 14134

ELEVATION KELLY BUSHINGS 2866

TESTING ENGINEER KEVIN WEBSTER

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4505

TEST INTERVAL (to) 4554

ANCHOR LENGTH 49

TOTAL DEPTH (ft) 4554

TOP PACKER DEPTH 4500

BOTTOM PACKER DEPTH 4505

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 12:25

TOOL OPEN (to) 12:55

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 1:25

TOOL OPEN (to) 1:55

DURATION (min.) 30

INITIAL SHUT-IN

TOOL CLOSED (from) 12:55

TOOL CLOSED (to) 1:25

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 1:55

TOOL CLOSED (to) 2:25

DURATION (min.) 30

INITIAL FLOW

WEAK SURFACE BLOW

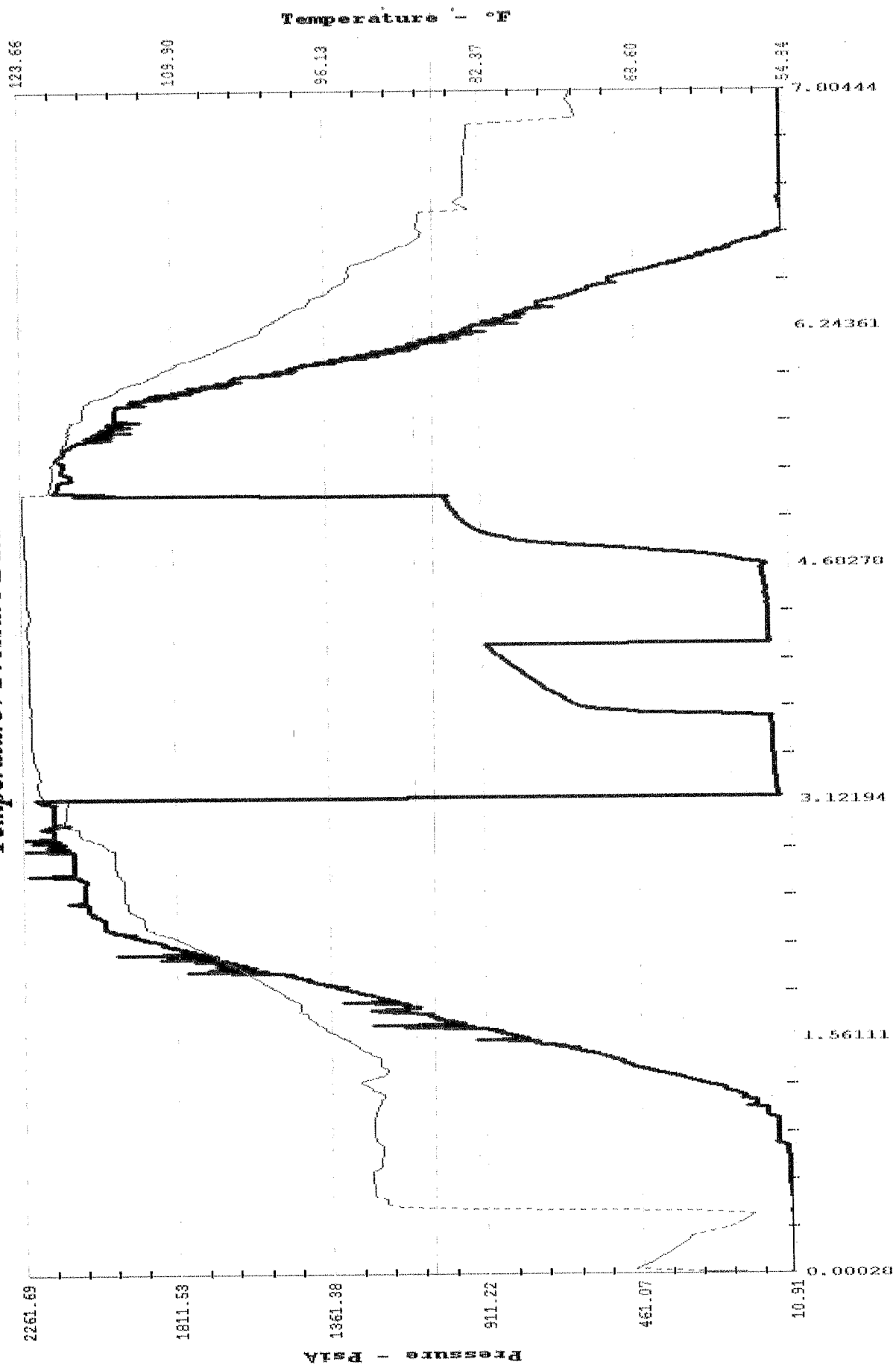
FINAL FLOW

WEAK SURFACE BLOW

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Drill Pipe	I.D.	Feet	Recovery Description For Drill Pipe	Gas	Oil	Mud	Water
4 1/2	3.82						
Drill Collars	I.D.		Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000
	2.25	120	DRILL MUD			100%	
Total Recovery		120 Feet	Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000
			Total bbls. Recovered From Drill Collars	0.0000	0.0000	0.5880	0.0000
			Total bbls Recovered	0.0000	0.0000	0.5880	0.0000
				Gas	Oil	Mud	Water
							Degrees
MUD WEIGHT #/GAL		9.2	Resistivity	ohms @			
VISCOSITY		52	Recovery Chlorides	ppm			
WATER LOSS		6.4	Pit Chlorides	ppm			
			4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D				
			EMMONS #1	3/29/07	23-17-30W	JOHNSON DST#1	
			RITCHIE EXPLORATION				

Temperature / Pressure Data



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Initial Opening	44	P.S.I. to	99	P.S.I.	from	1 : 40 p m	to	2 : 25 p m	45	minutes
Initial Shut-in	1000	P.S.I.			from	2 : 10 p m	to	3 : 10 p m	45	minutes
Final Opening	106	P.S.I. to	1100	P.S.I.	from	3 : 10 p m	to	3 : 55 p m	45	minutes
Final Shut-in	988	P.S.I.			from	3 : 55 p m	to	4 : 55 p m	60	minutes

[illegible]

lay down 800p

Tool Operator Frank Romanick Approved By _____

Ticket No. 15042

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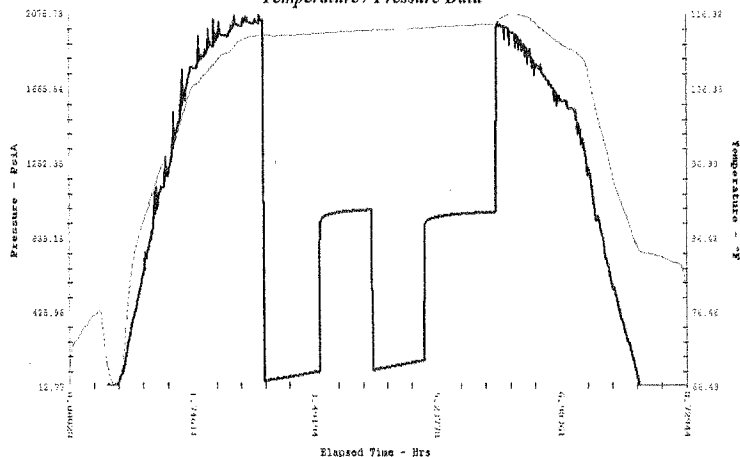
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DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RITCHIE EXPLORATION INC. Lease & Well No. EMMONS #1 Test #: 2 Date: 3-30-07 SEC. 23 TWP.
17S RGE. 30W

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	2043
2	Initial Flow Pressure	44
3	Final Initial Flow Pressure	99
4	Initial Shut-In Pressure	1000
5	Initial Final Flow Pressure	106
6	Final Flow Pressure	160
7	Final Shut-In Pressure	988
8	Final Hydrostatic Pressure	1991

Maximum Temperature 116

GENERAL INFORMATION

COMPANY NAME RITCHIE EXPLORATION INC.

TEST DATE 3/30/07

SECTION-TOWN-RANGE 23-17S-30W

STATE KANSAS

COUNTY LANE

ELEVATION GROUND LEVEL 2856

COMPANY REPRESENTATIVE TOM FUNK

LEASE AND WELL NUMBER EMMONS #1

FORMATION TESTED KANSAS CITY "J" ZONE

DRILL STEM TEST NUMBER 2

REPORT NUMBER 15042

ELEVATION KELLY BUSHINGS 2866

TESTING ENGINEER FRANK ZAMARRIPA

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4185

TEST INTERVAL (to) 4220

ANCHOR LENGTH 35

TOTAL DEPTH (ft) 4220

TOP PACKER DEPTH 4715-4180

BOTTOM PACKER DEPTH 4220

NUMBER OF PACKERS 3

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 1:40P

TOOL OPEN (to) 2:25

DURATION (min.) 45

INITIAL SHUT-IN

TOOL CLOSED (from) 2:25

TOOL CLOSED (to) 3:10

DURATION (min.) 45

FINAL OPEN

TOOL OPEN (from) 3:10

TOOL OPEN (to) 3:55

DURATION (min.) 45

FINAL SHUT-IN

TOOL CLOSED (from) 3:55

TOOL CLOSED (to) 4:55

DURATION (min.) 60

INITIAL FLOW

FAIR BUILDING BLOW BUILT TO 5 INCHES
NO BLOW BACK

FINAL FLOW

FAIR BUILDING BLOW BUILT TO 2 1/2 INCHES
NO BLOW BACK

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RITCHIE EXPLORATION INC.	LEASE AND WELL NUMBER	EMMONS #1
TEST DATE	3/30/07	FORMATION TESTED	KANSAS CITY "J" ZONE
SECTION-TOWN-RANGE	23-17S-30W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	15042
COUNTY	LANE	ELEVATION KELLY BUSHINGS	2866
ELEVATION GROUND LEVEL	2856	TESTING ENGINEER	FRANK ZAMARRIPA
COMPANY REPRESENTATIVE	TOM FUNK		

EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	YES
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	YES
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	260 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	4216	BOTTOM RECORDER DEPTH	4217
RECORDER NUMBER	91951	RECORDER NUMBER	10250

WELL INFORMATION

DRILLING CONTRACTOR	MURFIN DRILLING RIG #21	DRILL COLLAR LENGTH	
DRILL PIPE LENGTH	4549	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.		

COMMENTS

Temperature / Pressure Data

