

15-171-20611



KCC

JUN 13 2006

CONFIDENTIAL

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D213

Page 1 of 4 Pages

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1
Elevation 2910KB Formation Lansing/Kansas City "C" Effective Pay -- Ft. Ticket No. J1819
Date 2-23-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,970 ft. to 3,990 ft. Total Depth 3,990 ft.
Packer Depth 3,965 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,970 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 3,973 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,987 ft. Recorder Number 11073 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 43 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.6 Water Loss 8.0 cc. Drill Pipe Length 3,950 ft. I.D. 3 1/2 in.
Chlorides 2,500 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: Strong blow. Off bottom of bucket in 5 mins. 3 in., blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 15 mins. 2 in., blow back during shut-in.

Recovered 45 ft. of gas in pipe
Recovered 630 ft. of clean gassy oil = 8.946000 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 36 @ 60°
Recovered 120 ft. of mud & gas cut oil = 1.704000 bbls. (Grind out: 10%-gas; 15%-mud; 75%-oil)
Recovered 750 ft. of TOTAL FLUID = 10.650000 bbls.
Recovered -- ft. of --

Remarks

Time Set Packer(s) 12:35 P.M. Time Started Off Bottom 3:35 P.M. Maximum Temperature 124°
Initial Hydrostatic Pressure (A) 2009 P.S.I.
Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 157 P.S.I.
Initial Closed In Period Minutes 45 (D) 1028 P.S.I.
Final Flow Period Minutes 45 (E) 166 P.S.I. to (F) 308 P.S.I.
Final Closed In Period Minutes 60 (G) 1020 P.S.I.
Final Hydrostatic Pressure (H) 1976 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC

Contact: CRAIG CAULK

Phone: Fax: e-mail:

### Site Information:

Contact: ROGER FISHER

Phone: Fax: e-mail:

### Well Information:

Name: BUENA VISTA #1

Operator: RITCHIE EXPLORATION INC

Location-Downhole: DST #1 3970 TO 3990

Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: ROGER FISHER

Test Type: CONVENTIONAL Job Number: D213

Test Unit: 2

Start Date: 2006/02/23 Start Time: 10:38:00

End Date: 2006/02/23 End Time: 19:20:00

Report Date: 2006/02/23 Prepared By: JOHN RIEDL

Qualified By: ROGER FISHER

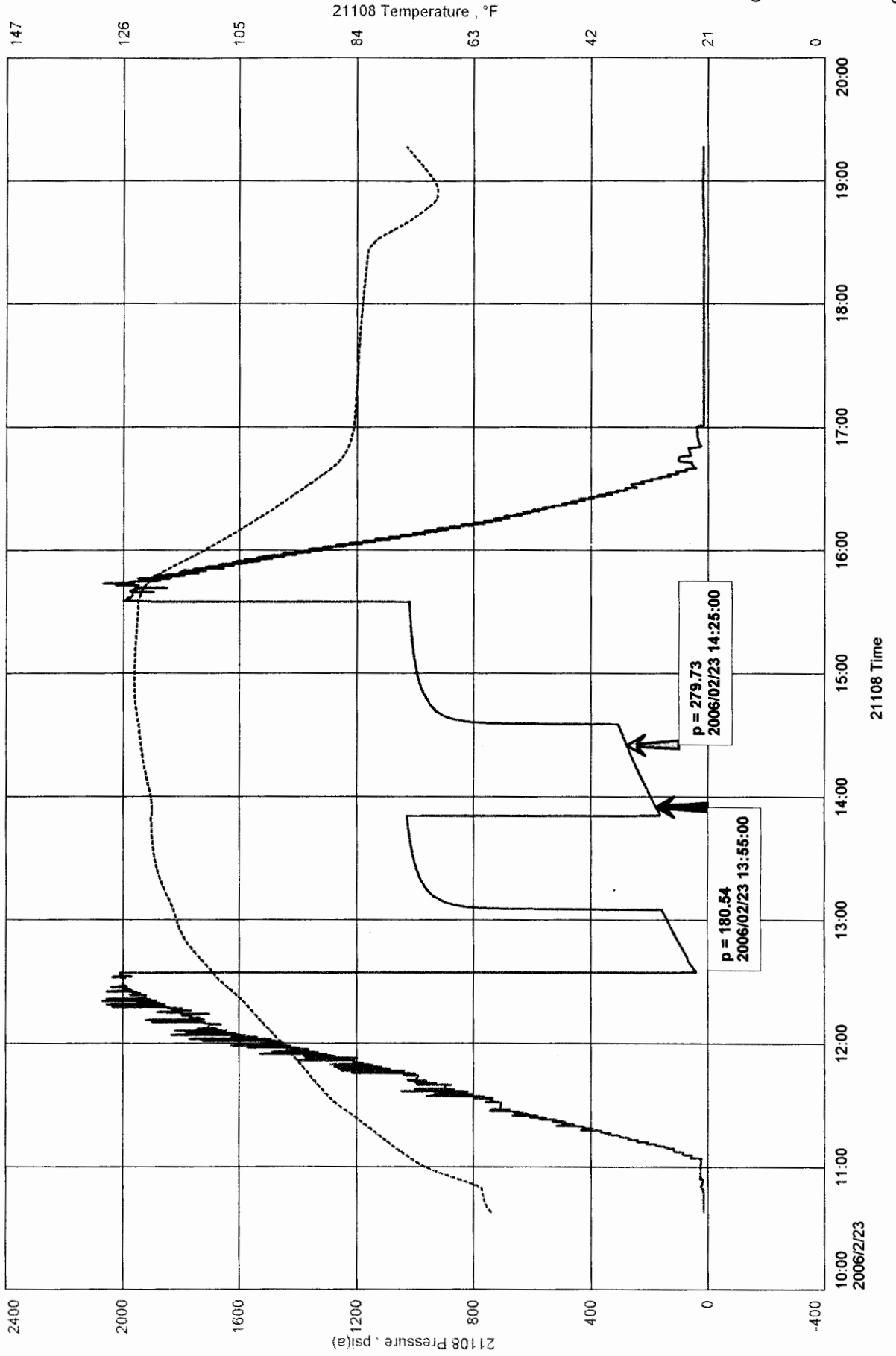
### Remarks:

REC: 45' GAS IN PIPE  
630' CGO 15%GAS 85%OIL) 36 GRAVITY @60  
120' GMO (10%GAS 15%MUD 75%OIL)  
750' TOTAL FLUID RECOVERY

RITCHIE EXPLORATION, INC.  
DST #1 LKC "C" 3,970' - 3,990'  
Start Test Date: 2006/02/23  
Final Test Date: 2006/02/23

BUENA VISTA #1  
Formation: DST #1 LKC "C" 3,970' - 3,990'  
Pool: WILDCAT

# BUENA VISTA #1



RITCHIE EXPLORATION, INC.

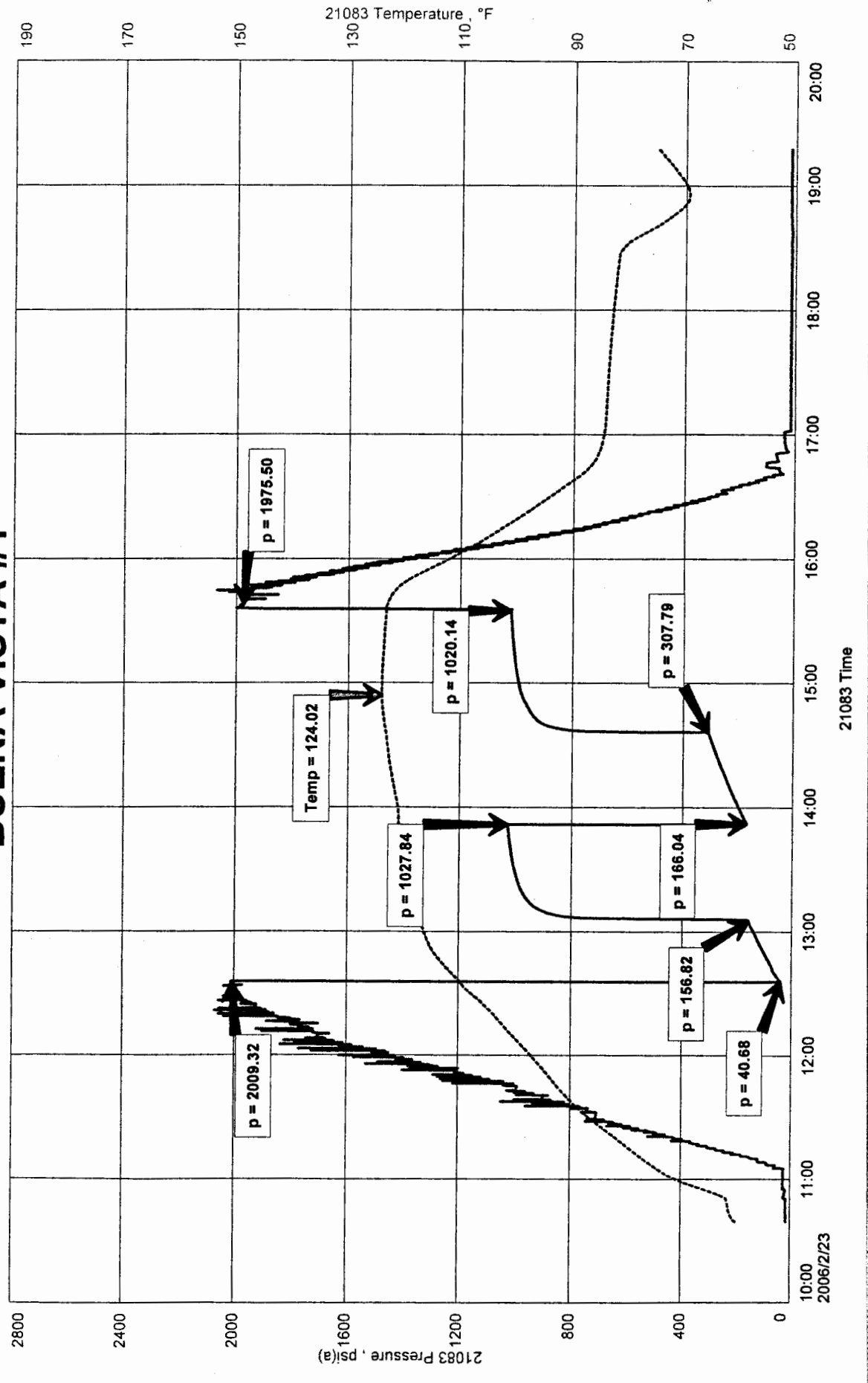
DESCRIPTION	SECOND READING	FIRST READING	PRESSURE CHANGE	PIPE SIZE-ID	FLUID GRADIENT	TIME CHANGE	TOTAL TIME	DAILY PROD.	AVERAGE % OIL	ESTIMATED PRODUCTION
FINAL FLOW	280	181	99	0.0142	0.3658	30	1440	184	1	184

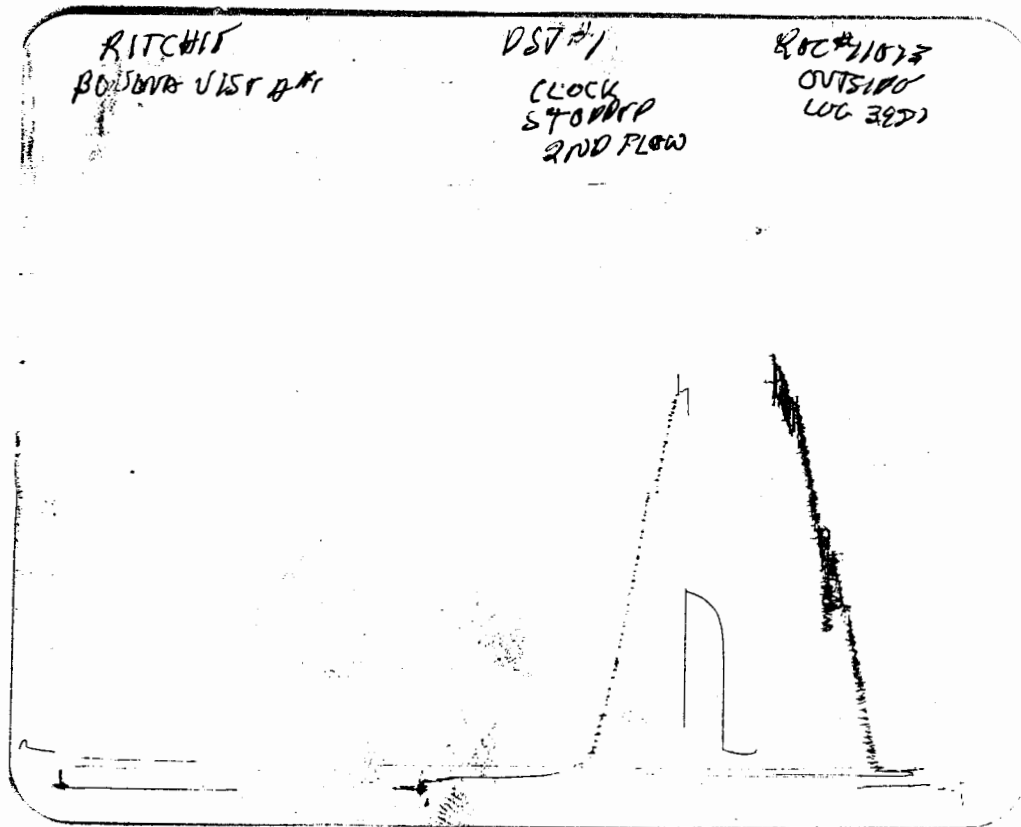
BUENA VISTA #1 DST #1 LKC "C" 3,970' - 3,990'

BUENA VISTA #1  
 Formation: L/KC "C"  
 Job Number: D213

RITCHIE EXPLORATION INC  
 DST #1 3970 TO 3990  
 Start Test Date: 2006/02/23  
 Final Test Date: 2006/02/23

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading	Office Reading		
(A) Initial Hydrostatic Mud .....	2009	2009		PSI
(B) First Initial Flow Pressure.....	41	41		PSI
(C) First Final Flow Pressure .....	157	157		PSI
(D) Initial Closed-in Pressure .....	1028	1028		PSI
(E) Second Initial Flow Pressure.....	166	166		PSI
(F) Second Final Flow Pressure.....	308	308		PSI
(G) Final Closed-in Pressure.....	1020	1020		PSI
(H) Final Hydrostatic Mud .....	1976	1976		PSI



**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21083.D214

**KCC**  
JUN 13 2006  
**CONFIDENTIAL**

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Lansing/Kansas City "E" Effective Pay      Ft. Ticket No. J1820  
Date 2-24-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,028 ft. to 4,045 ft. Total Depth 4,045 ft.  
Packer Depth 4,023 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 4,028 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,031 ft. Recorder Number 21083 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,042 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length      ft. I.D.      in.  
Mud Type Chemical Viscosity 54 Weight Pipe Length      ft. I.D.      in.  
Weight 9.2 Water Loss 9.0 cc. Drill Pipe Length 4,008 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 17 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, 1/2 in., blow decreasing to surface blow by end.  
2nd Open: Surface blow throughout.

Recovered 10 ft. of gas in pipe  
Recovered 20 ft. of clean gassy oil = .284000 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 37 @ 60°  
Recovered 30 ft. of slightly oil cut watery mud = .426000 bbls. (Grind out: 5%-oil; 30%-water; 65%-mud)  
Recovered 50 ft. of TOTAL FLUID = .710000 bbls. Chlorides: 15,000 Ppm  
Recovered      ft. of     

Remarks     

Time Set Packer(s) 9:30 ~~P.M.~~ A.M. Time Started Off Bottom 11:30 ~~P.M.~~ A.M. Maximum Temperature 117°  
Initial Hydrostatic Pressure ..... (A) 1997 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 30 P.S.I. to (C) 40 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 1014 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 51 P.S.I. to (F) 53 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 983 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1961 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC

Contact: CRAIG CAULK

Phone: Fax: e-mail:

### Site Information:

Contact: ROGER FISHER

Phone: Fax: e-mail:

### Well Information:

Name: BOUENA VISTA #1

Operator: RITCHIE EXPLORATION INC

Location-Downhole: DST #2 4028 TO 4045

Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

Company: DIAMOND TESTING INC

Representative: JOHN RIEDL

Supervisor: ROGER FISHER

Test Type: CONVENTIONAL Job Number: D214

Test Unit: 2

Start Date: 2006/02/24 Start Time: 07:51:00

End Date: 2006/02/24 End Time: 13:40:00

Report Date: 2006/02/24 Prepared By: JOHN RIEDL

Remarks: Qualified By: ROGER FISHER

RECOVERY: 10-' GAS IN PIPE

20' CGO (10%GAS 90%OIL) 37 GRAVITY

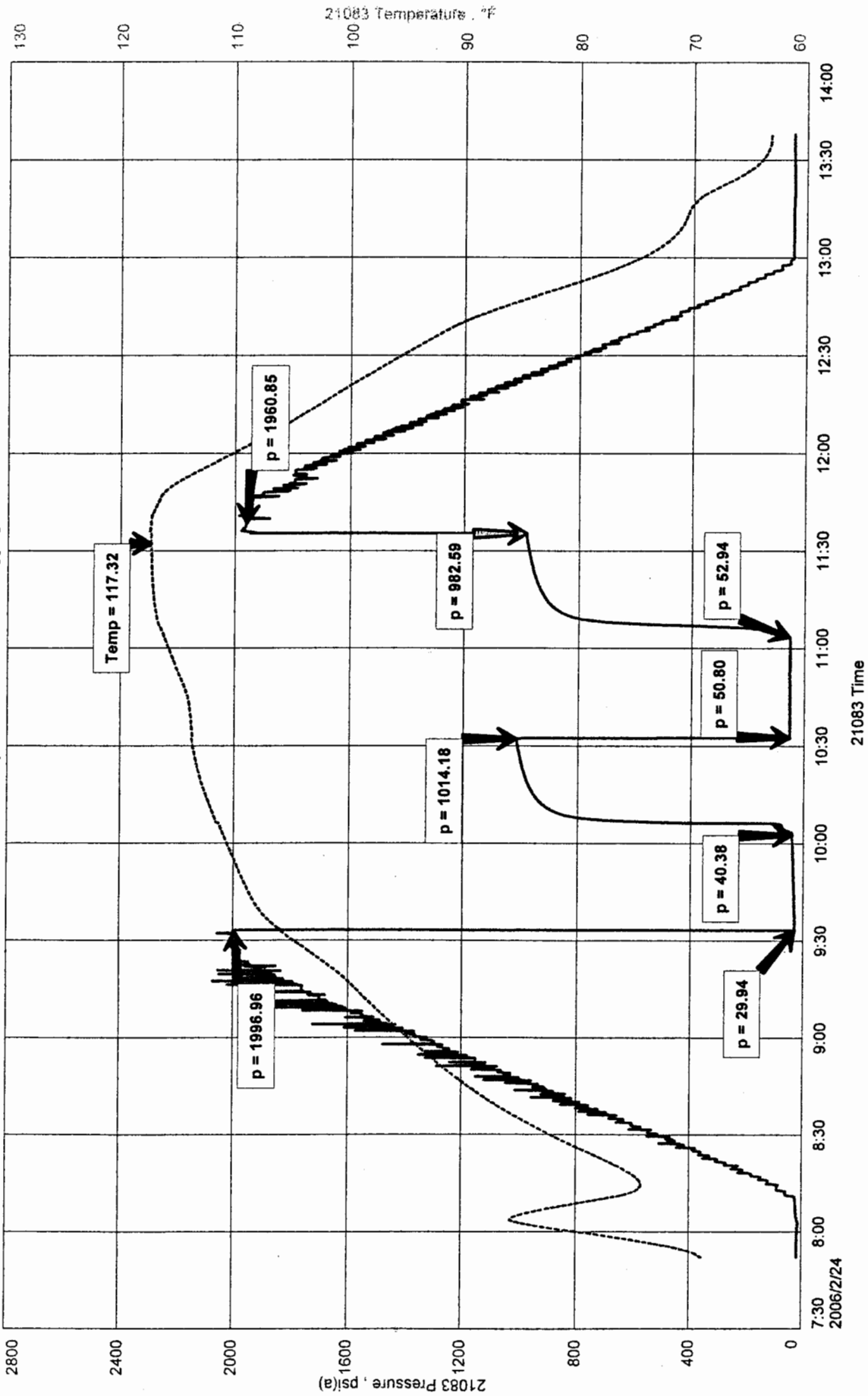
30' SLOCWM (5% 30%WATER 65%MUD) CHLORIDES 15,000Ppm

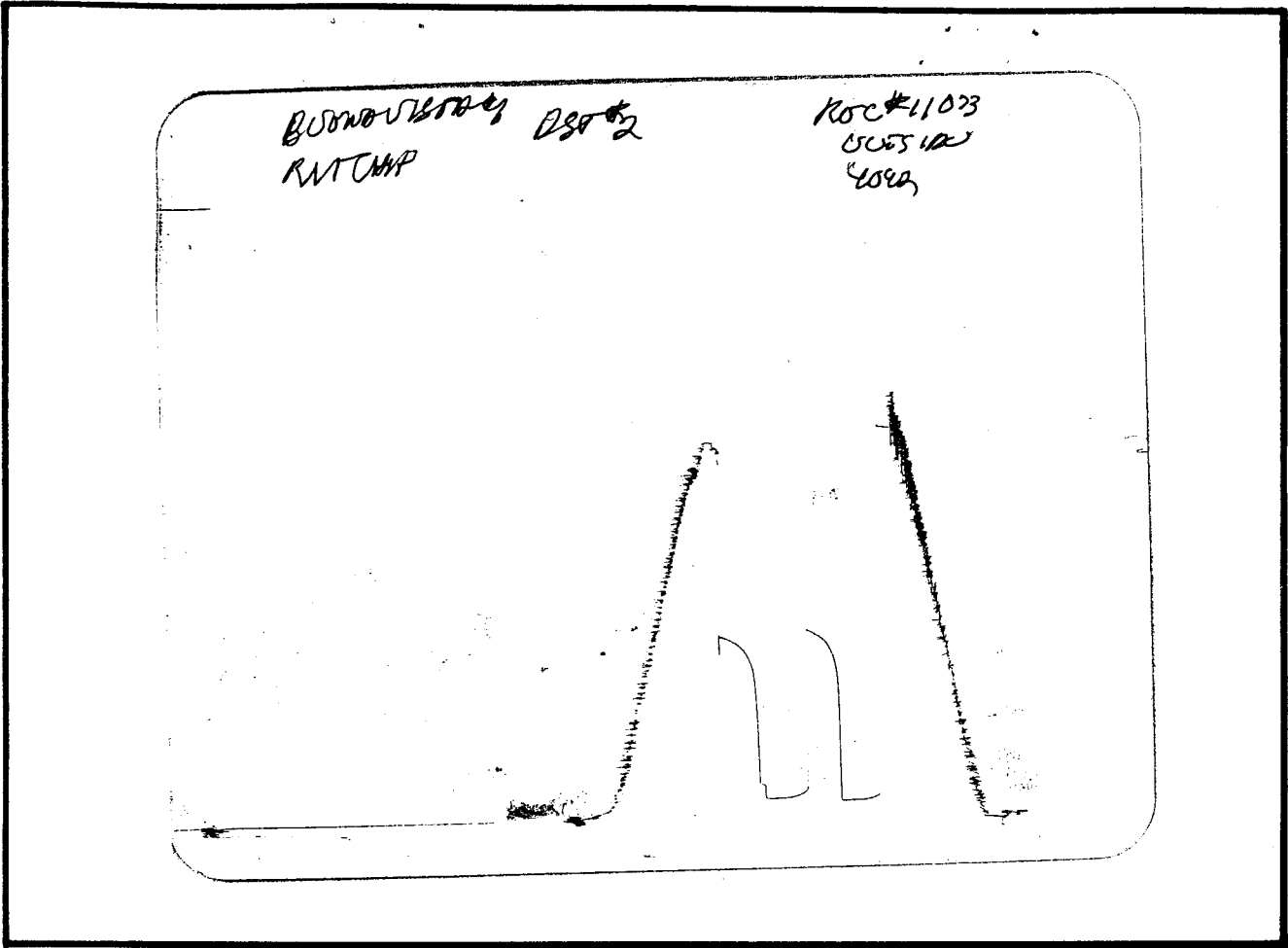
50' TOTAL FLUID RECOVERY

BOUENA VISTA #1  
Formation: LKC 'E'  
Job Number: D214

RITCHE EXPLORATION INC  
DST #2 4028 TO 4045  
Start Test Date: 2006/02/24  
Final Test Date: 2006/02/24

# BOUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1997	1997	PSI
(B) First Initial Flow Pressure.....	30	30	PSI
(C) First Final Flow Pressure .....	40	40	PSI
(D) Initial Closed-in Pressure .....	1014	1014	PSI
(E) Second Initial Flow Pressure.....	51	51	PSI
(F) Second Final Flow Pressure.....	53	53	PSI
(G) Final Closed-in Pressure.....	983	983	PSI
(H) Final Hydrostatic Mud.....	1961	1961	PSI

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**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
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STC 21108.D215

**KCC**  
**JUN 13 2006**  
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Page 1 of 2 Pages

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Lansing/Kansas City "F" Effective Pay -- Ft. Ticket No. J1821  
Date 2-25-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 4,051 ft. to 4,062 ft. Total Depth 4,062 ft.  
Packer Depth 4,046 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,051 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,054 ft. Recorder Number 21108 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,059 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.  
Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.4 Water Loss 7.0 cc. Drill Pipe Length 4,031 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - JF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 11 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 blow. Dead in 15 mins.  
2nd Open: No blow.

Recovered 6 ft. of drilling mud with some free oil on top = .085200 bbls. (Chlorides: 3,000 Ppm)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Remarks Tool was accidentally flushed on 2nd open.

Time Set Packer(s) 10:37 ~~XXX~~ P.M. Time Started Off Bottom 12:37 ~~XXX~~ A.M. Maximum Temperature 111°  
Initial Hydrostatic Pressure ..... (A) 2026 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 38 P.S.I. to (C) 39 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 975 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 38 P.S.I. to (F) 54 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 1006 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1997 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC.

Contact: CRAIG CAULK

Phone: Fax: e-mail:

### Site Information:

Contact: ROGER FISHER

Phone: Fax: e-mail:

### Well Information:

Name: BUENA VISTA #1

Operator: RITCHIE EXPLORATION INC.

Location-Downhole: DST #3 4051 TO 4062

Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

Company: DIAMOND TESTING INC

Representative: JOHN RIEDL

Supervisor: ROGER FISHER

Test Type: CONVENTIONAL Job Number: D215

Test Unit: 2

Start Date: 2006/02/24 Start Time: 21:00:00

End Date: 2006/02/25 End Time: 03:30:00

Report Date: 2006/02/25 Prepared By: JOHN RIEDL

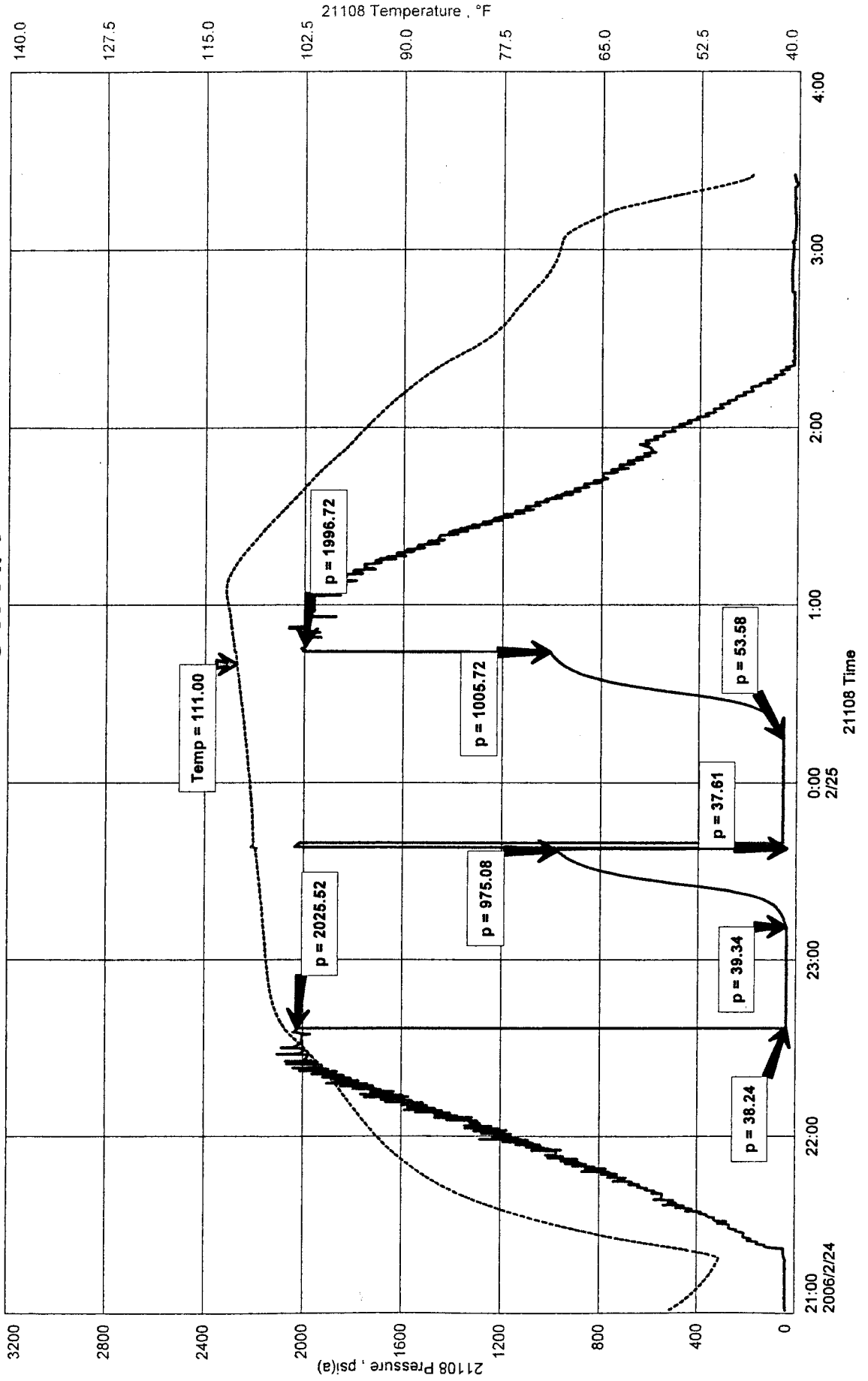
Remarks: Qualified By: ROGER FISHER

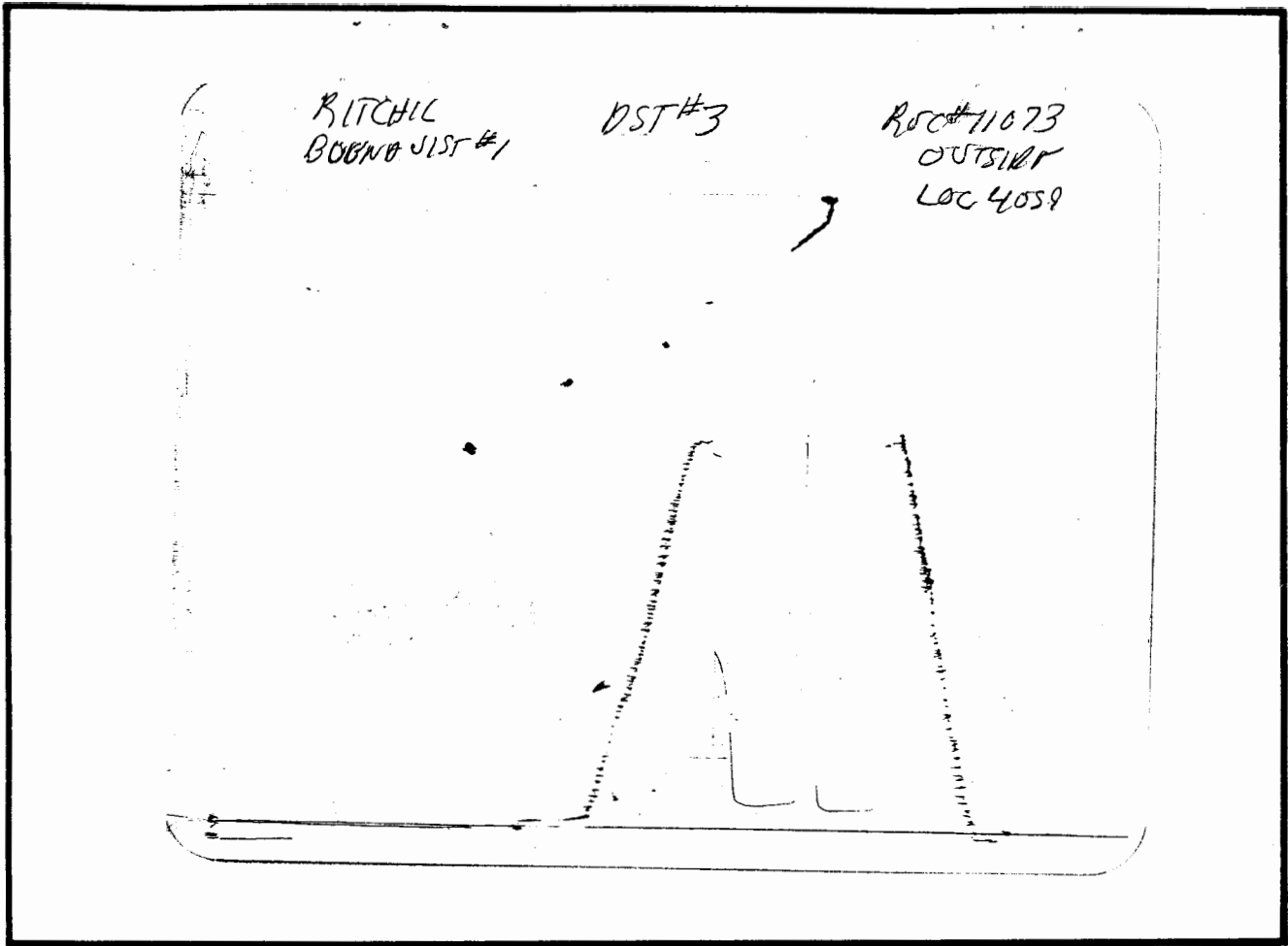
RECOVERY: 6' DRILLING MUD WITH SOME FREE OIL ON TOP (CHLORIDES 3,000Ppm)

RITCHIE EXPLORATION INC.  
 DST #3 4051 TO 4062  
 Start Test Date: 2006/02/24  
 Final Test Date: 2006/02/25

BUENA VISTA #1  
 Formation: L/KC "F"  
 Job Number: D215

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Psi
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	2026	2026	PSI
(B) First Initial Flow Pressure.....	38	38	PSI
(C) First Final Flow Pressure .....	39	39	PSI
(D) Initial Closed-in Pressure .....	975	975	PSI
(E) Second Initial Flow Pressure .....	38	38	PSI
(F) Second Final Flow Pressure.....	54	54	PSI
(G) Final Closed-in Pressure.....	1006	1006	PSI
(H) Final Hydrostatic Mud .....	1997	1997	PSI

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**DIAMOND TESTING**  
P.O. Box 157  
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STC 21108.D216

**KCC**  
JUN 13 2006  
**CONFIDENTIAL**

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Lansing/Kansas City "H" Effective Pay -- Ft. Ticket No. J1822  
Date 2-25-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 4,117 ft. to 4,140 ft. Total Depth 4,140 ft.  
Packer Depth 4,112 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,117 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,120 ft. Recorder Number 21108 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,137 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.  
Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 7.0 cc. Drill Pipe Length 4,097 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 23 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 blow. Dead in 3 mins.  
2nd Open: No blow.

Recovered 3 ft. of oil specked mud = .042600 bbls.  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Remarks Mechanical chart readings were used; electronic recorder malfunctioned.

Time Set Packer(s) 10:15 ~~AM~~ P.M. Time Started Off Bottom 12:15 ~~AM~~ P.M. Maximum Temperature --  
Initial Hydrostatic Pressure ..... (A) 2067 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 72 P.S.I. to (C) 74 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 448 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 78 P.S.I. to (F) 78 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 498 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1927 P.S.I.

WFC 1023  
DURNVILLE

DST H 4

ROCKY MOUNTAIN  
COURT  
LOS ANGELES



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	2067	2067	PSI
(B) First Initial Flow Pressure .....	72	72	PSI
(C) First Final Flow Pressure .....	74	74	PSI
(D) Initial Closed-in Pressure .....	448	448	PSI
(E) Second Initial Flow Pressure .....	78	78	PSI
(F) Second Final Flow Pressure .....	78	78	PSI
(G) Final Closed-in Pressure .....	498	498	PSI
(H) Final Hydrostatic Mud .....	1927	1927	PSI

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 STC 21083.D216

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**JUN 13 2006**  
**CONFIDENTIAL** Page 1 of 2 Pages

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
 Elevation 2910KB Formation Lansing/Kansas City "I" Effective Pay -- Ft. Ticket No. J1823  
 Date 2-26-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
 Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 4,150 ft. to 4,184 ft. Total Depth 4,184 ft.  
 Packer Depth 4,145 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 4,150 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.  
 Top Recorder Depth (Inside)         4,153 ft. Recorder Number 21083 Cap. 5,000 psi  
 Bottom Recorder Depth (Outside)         4,181 ft. Recorder Number 11073 Cap. 4,000 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.  
 Mud Type Chemical Viscosity 41 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.2 Water Loss 7.0 cc. Drill Pipe Length 4,130 ft. I.D. 3 1/2 in.  
 Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Bowen Serial Number Not Run Anchor Length 34 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: Strong blow. Off bottom of bucket in 15 mins. No blow back during shut-in.  
 2nd Open: Good blow. Slowly building to 7 ins. No blow back during shut-in.

Recovered 80 ft. of oil specked watery mud = 1.136000 bbls. (Grind out: 40%-water; 60%-mud)  
 Recovered 500 ft. of water = 7.100000 bbls. (Chlorides: 18,000 Ppm)  
 Recovered 580 ft. of TOTAL FLUID = 8.236000 bbls.  
 Recovered          ft. of           
 Recovered          ft. of         

Remarks         

Time Set Packer(s)	<u>4:50</u>	<b>XXM.</b> P.M.	Time Started Off Bottom	<u>7:50</u>	<b>XXM.</b> P.M.	Maximum Temperature	<u>128°</u>
Initial Hydrostatic Pressure			(A)	<u>2027</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>12</u>	P.S.I. to (C)	<u>106</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1034</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>112</u>	P.S.I. to (F)	<u>244</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>1028</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2004</u>	P.S.I.		

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC  
Contact: CRAIG CAULK  
Phone:                      Fax:                      e-mail:

### Site Information:

Contact: ROGER FISHER  
Phone:                      Fax:                      e-mail:

### Well Information:

Name: BUENA VISTA #1  
Operator: RITCHIE EXPLORATION INC.  
Location-Downhole: DST #5 4150 TO 4184  
Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

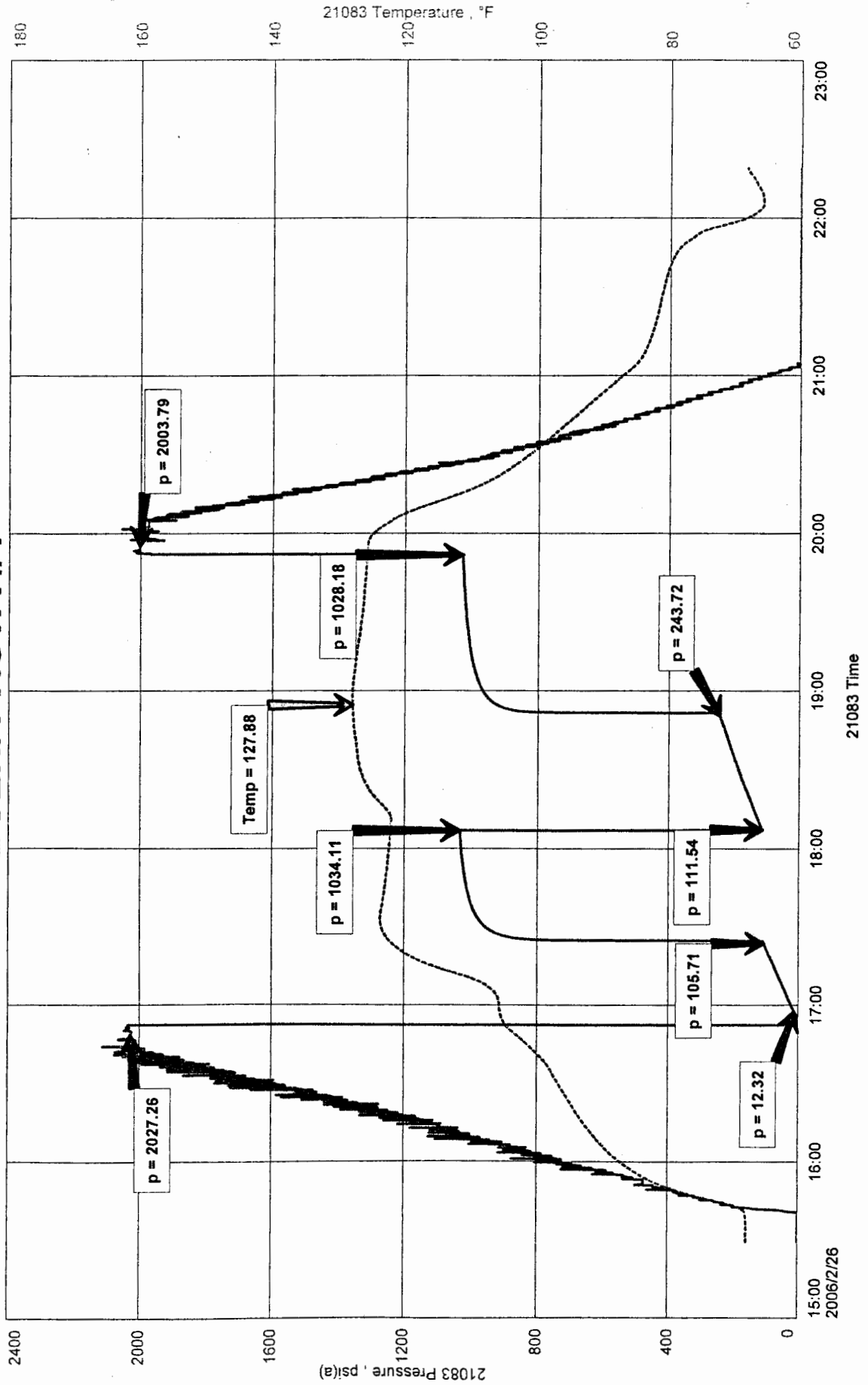
Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: ROGER FISHER  
Test Type: CONVENTIONAL                      Job Number: D216  
Test Unit: 2  
Start Date: 2006/02/26                      Start Time: 15:28:00  
End Date: 2006/02/26                      End Time: 22:20:00  
Report Date: 2006/02/26                      Prepared By: JOHN RIEDL  
Remarks:                      Qualified By: ROGER FISHER

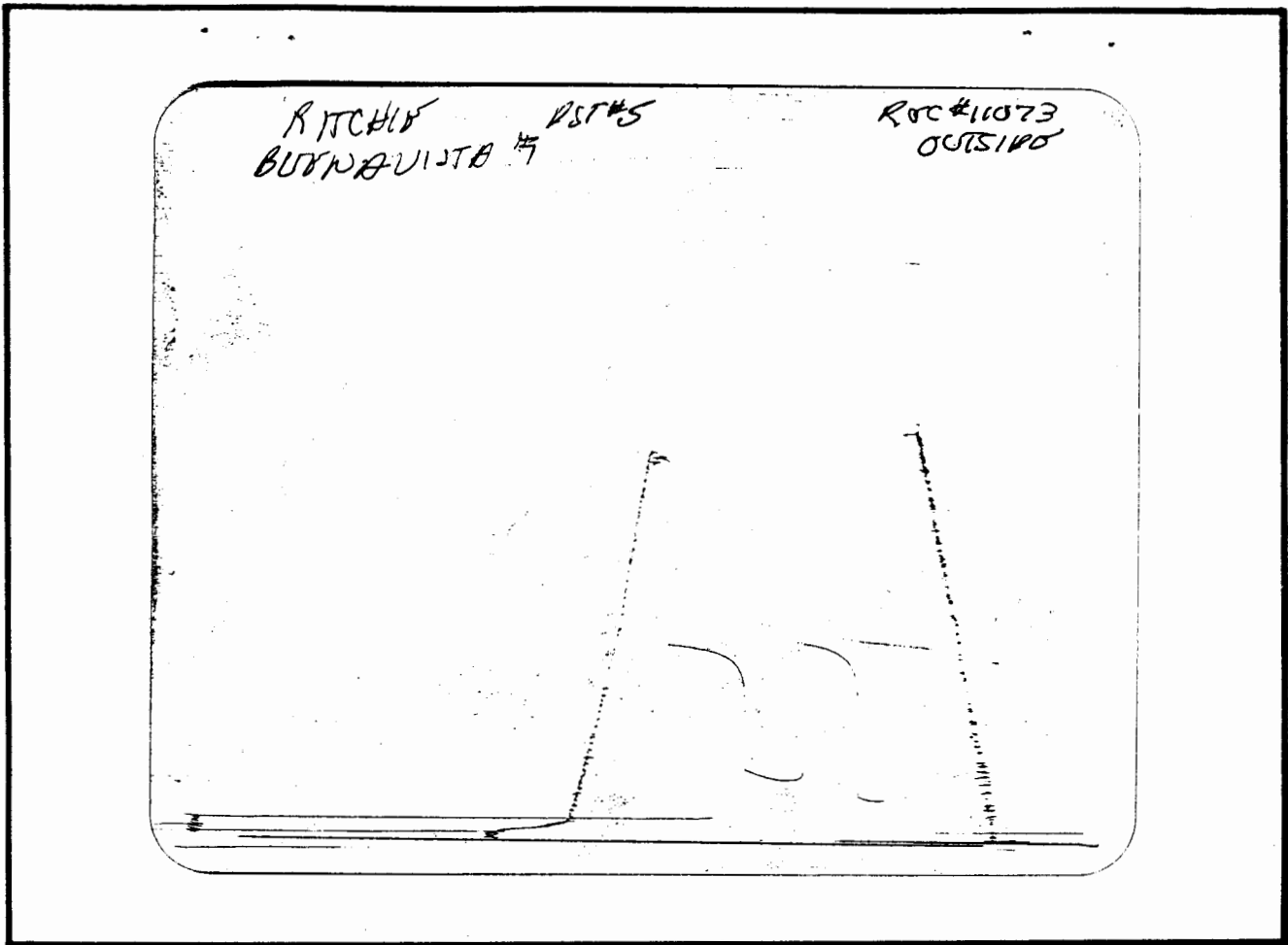
RECOVERY: 80' OIL SPECKED WM (40%WATER 60%MUD)  
500' WATER (CHLORIDES 18,000Ppm)  
580' TOTAL FLUID RECOVERY

RITCHIE EXPLORATION INC  
DST #5 4150 TO 4184  
Start Test Date: 2006/02/26  
Final Test Date: 2006/02/26

BUENA VISTA #1  
Formation: L/KC "I"  
Job Number: D216

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	2027	2027	PSI
(B) First Initial Flow Pressure.....	12	12	PSI
(C) First Final Flow Pressure .....	106	106	PSI
(D) Initial Closed-in Pressure .....	1034	1034	PSI
(E) Second Initial Flow Pressure.....	112	112	PSI
(F) Second Final Flow Pressure.....	244	244	PSI
(G) Final Closed-in Pressure.....	1028	1028	PSI
(H) Final Hydrostatic Mud.....	2004	2004	PSI



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DIAMOND TESTING  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21108.D217

Page 1 of 2 Pages

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Lansing/Kansas City "J" Effective Pay -- Ft. Ticket No. J1824  
Date 2-27-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 6 Interval Tested from 4,196 ft. to 4,210 ft. Total Depth 4,210 ft.  
Packer Depth 4,191 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,196 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,199 ft. Recorder Number 21108 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,207 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.  
Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 6.0 cc. Drill Pipe Length 4,176 ft. I.D. 3 1/2 in.  
Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 14 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, 2 in., blow. No blow back during shut-in.  
2nd Open: Weak, 1/2 in., blow. No blow back during shut-in.

Recovered 30 ft. of gas in pipe  
Recovered 30 ft. of slightly mud cut oil = .426000 bbls. (Grind out: 10%-mud; 90%-oil) Gravity: 38 @ 60°  
Recovered 30 ft. of TOTAL FLUID = .426000 bbls.  
Recovered          ft. of           
Recovered          ft. of         

Remarks         

Time Set Packer(s) 11:05 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 2:05 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 113°  
Initial Hydrostatic Pressure ..... (A) 2029 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 32 P.S.I. to (C) 33 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 1051 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 35 P.S.I. to (F) 40 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 1042 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2005 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC.

Contact: CRAIG CAULK

Phone: Fax: e-mail:

### Site Information:

Contact: ROGER FISHER

Phone: Fax: e-mail:

### Well Information:

Name: BUENA VISTA #1

Operator: RITCHIE EXPLORATION INC.

Location-Downhole: DST #6 4196 TO 4210

Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: ROGER FISHER

Test Type: CONVENTIONAL Job Number: D217

Test Unit: 2

Start Date: 2006/02/27 Start Time: 09:10:00

End Date: 2006/02/27 End Time: 16:15:00

Report Date: 2006/02/27 Prepared By: JOHN RIEDL

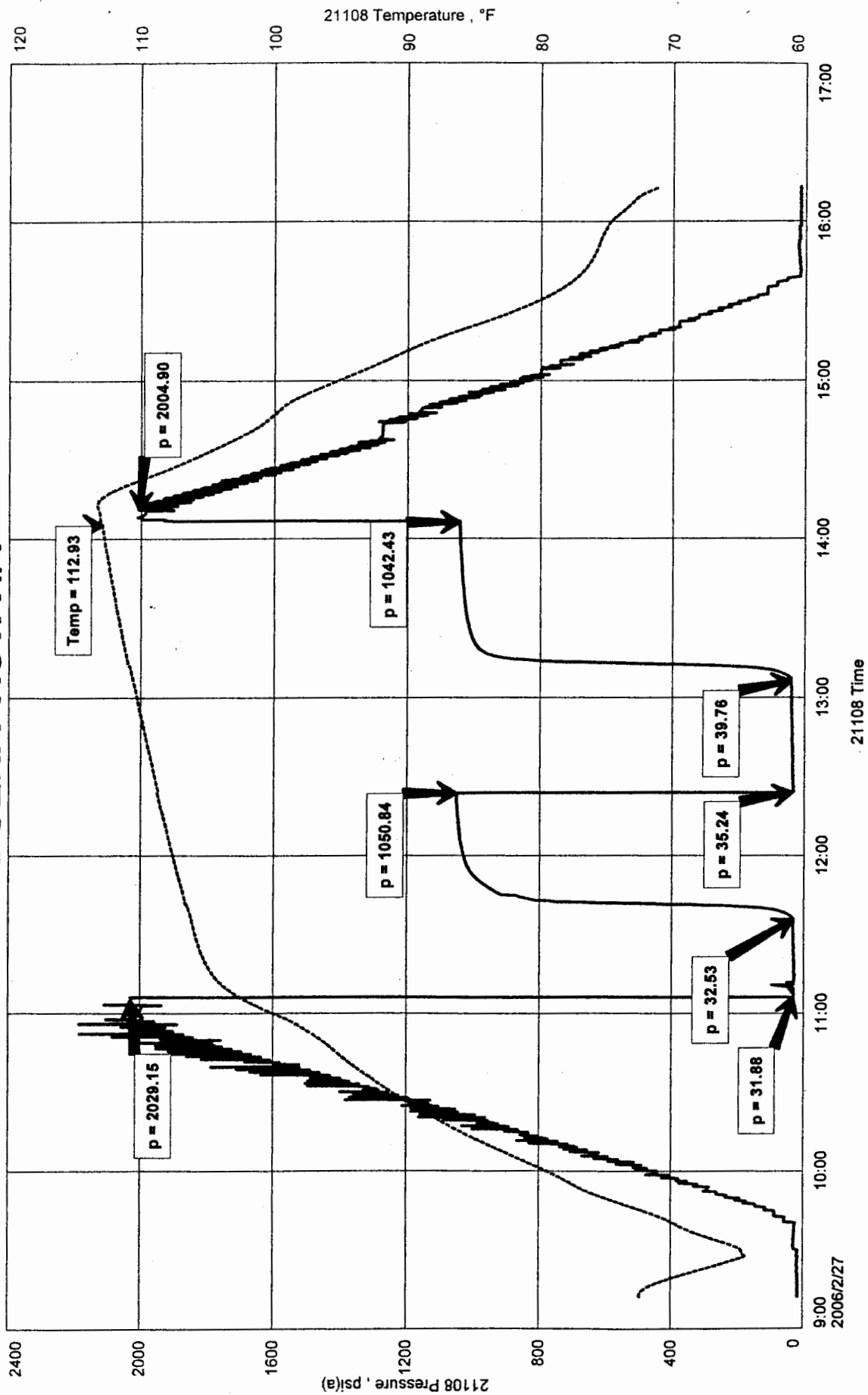
Qualified By: ROGER FISHER

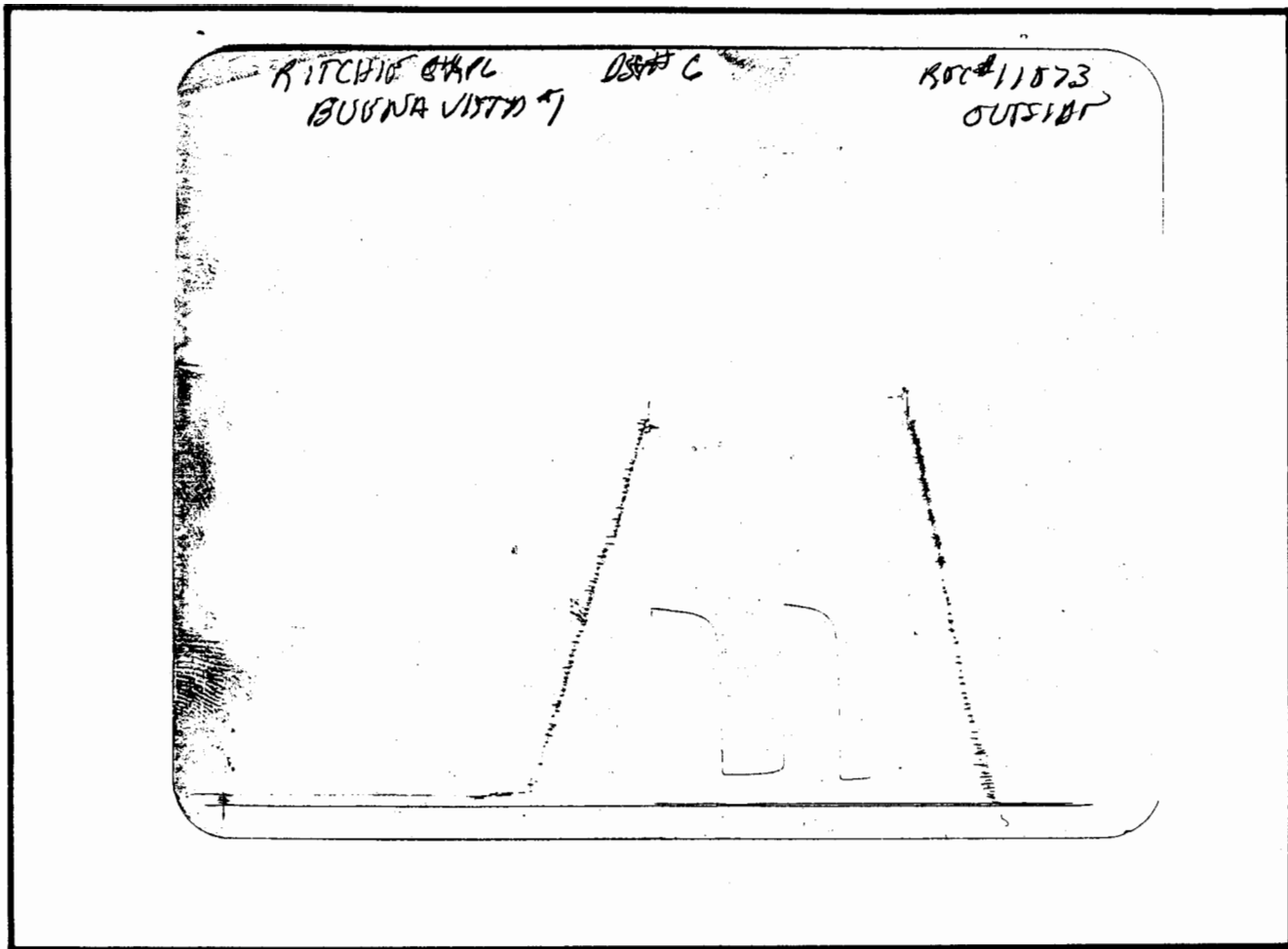
**RECOVERY:** 30' GAS IN PIPE  
30' SLMCO (10%MUD 90%OIL) 38 GRAVITY @ 60

RITCHIE EXPLORATION INC.  
DST #6 4196 TO 4210  
Start Test Date: 2006/02/27  
Final Test Date: 2006/02/27

BUENA VISTA #1  
Formation: L/KC "J"  
Job Number: D217

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud .....	2029	2029		PSI
(B) First Initial Flow Pressure.....	32	32		PSI
(C) First Final Flow Pressure .....	33	33		PSI
(D) Initial Closed-in Pressure .....	1051	1051		PSI
(E) Second Initial Flow Pressure .....	35	35		PSI
(F) Second Final Flow Pressure.....	40	40		PSI
(G) Final Closed-in Pressure.....	1042	1042		PSI
(H) Final Hydrostatic Mud .....	2005	2005		PSI



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STC 21083.D218

Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Altamont "B" Effective Pay 4 Ft. Ticket No. J1825  
Date 2-28-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 7 Interval Tested from 4,316 ft. to 4,386 ft. Total Depth 4,386 ft.  
Packer Depth 4,311 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,316 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,319 ft. Recorder Number 21083 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,383 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.  
Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.1 Water Loss 7.0 cc. Drill Pipe Length 4,296 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 70 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out Yes 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: Strong blow. Off bottom of bucket in 1 min. Strong blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 2 mins. Decreasing to 7 ins. by end. No blow back during shut-in.

Recovered 930 ft. of gas in pipe  
Recovered 2,650 ft. of gassy oil = 37.630000 bbls. (Grind out: 30%-gas; 70%-oil) Gravity: 35 @ 60°  
Recovered 60 ft. of slightly mud cut gassy oil = .852000 bbls. (Grind out: 20%-mud; 35%-gas; 45%-oil)  
Recovered 2,710 ft. of TOTAL FLUID = 38.482000 bbls.  
Recovered          ft. of         

Remarks         

Time Set Packer(s) 2:25 ~~XXX~~ P.M. Time Started Off Bottom 5:25 ~~XXX~~ P.M. Maximum Temperature 129°  
Initial Hydrostatic Pressure ..... (A) 2107 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 318 P.S.I. to (C) 819 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 998 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 847 P.S.I. to (F) 974 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 984 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2088 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC  
Contact: CRAIG CAULK  
Phone: Fax: e-mail:

### Site Information:

Contact: ROGER FISHER  
Phone: Fax: e-mail:

### Well Information:

Name: BUENA VISTA #1  
Operator: RITCHIE EXPLORATION INC  
Location-Downhole: DST #7 4316 TO 4386  
Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

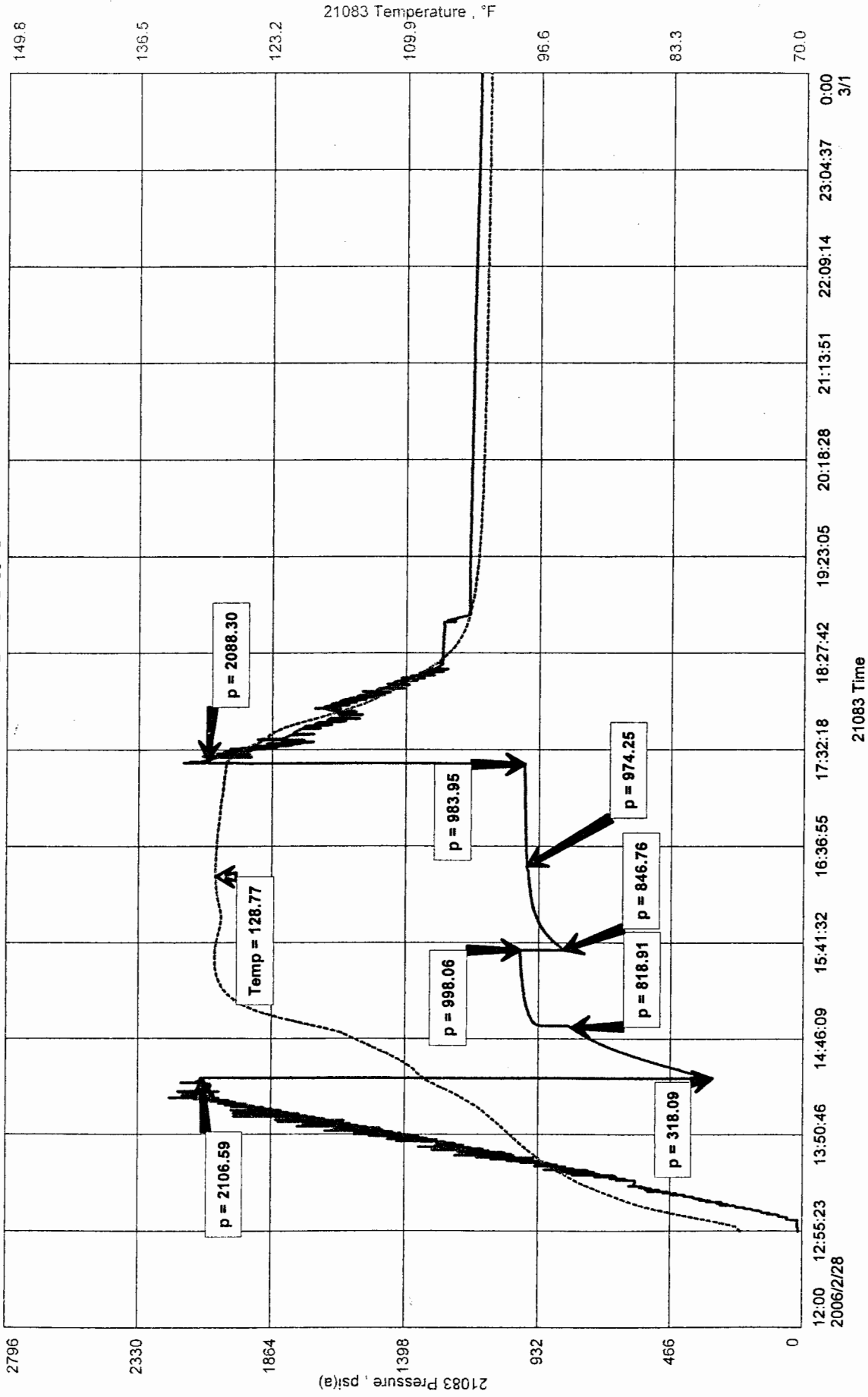
Company: DIAMOND TESTING  
Representative: JOHN RIEDL  
Supervisor: ROGER FISHER  
Test Type: CONVENTIONAL Job Number: D218  
Test Unit: 2  
Start Date: 2006/02/28 Start Time: 12:54:00  
End Date: 2006/03/01 End Time: 14:00:00  
Report Date: 2006/03/01 Prepared By: JOHN RIEDL  
Remarks: Qualified By: ROGER FISHER

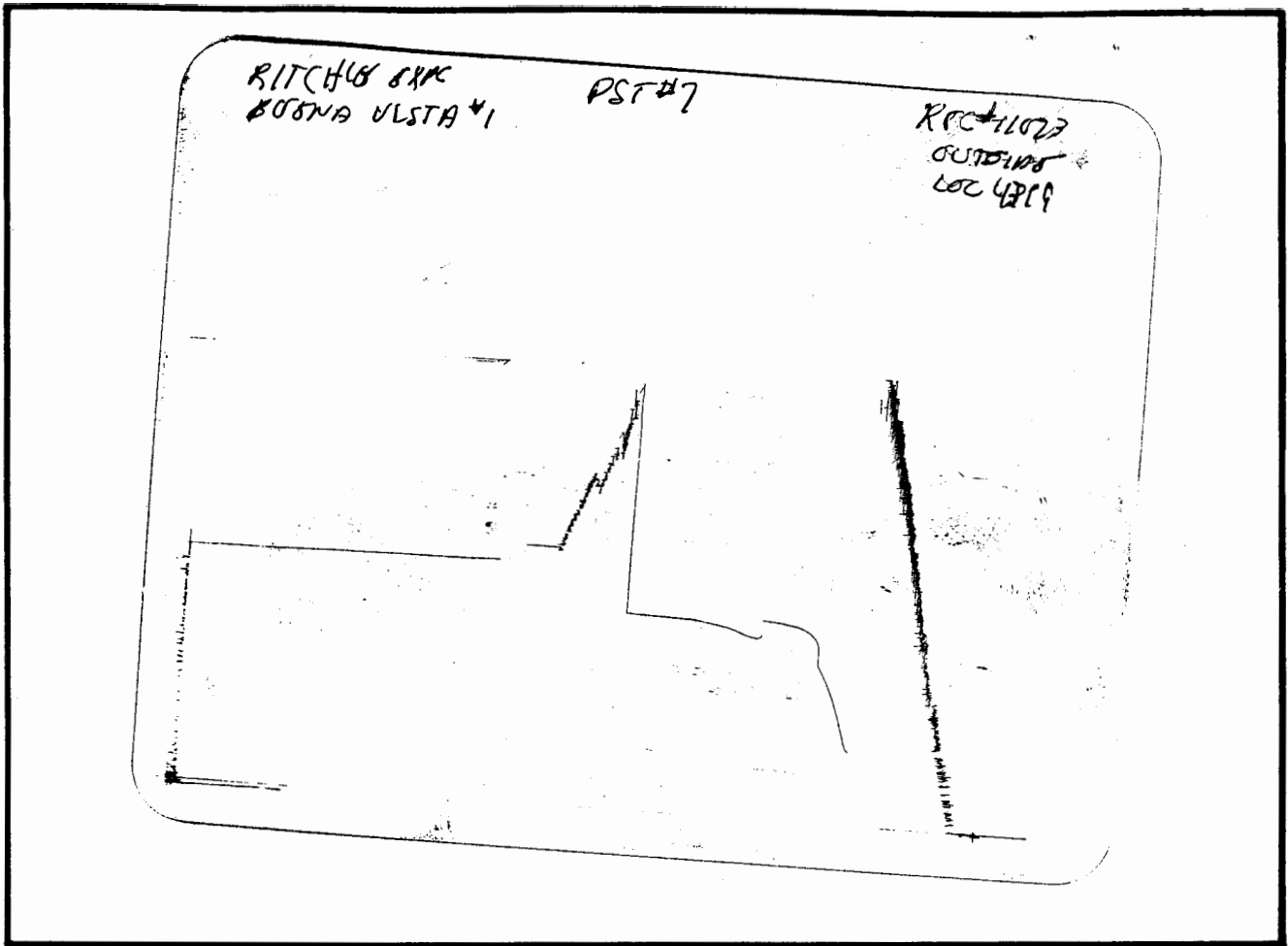
RECOVERY: 930' GAS IN PIPE  
2650' GASSY OIL (30%GAS 70%OIL) GRAVITY OF OIL WAS 35 @ 60  
60' SLMCGO (20%MUD 35%GAS 45%OIL)  
TOTAL FLUID RECOVERY: 2710'

RITCHIE EXPLORATION INC  
 DST #7 4316 TO 4386  
 Start Test Date: 2006/02/28  
 Final Test Date: 2006/03/01

BUENA VISTA #1  
 Formation: ALTAMONT  
 Job Number: D218

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	2107	2107	PSI
(B) First Initial Flow Pressure.....	318	318	PSI
(C) First Final Flow Pressure .....	819	819	PSI
(D) Initial Closed-in Pressure .....	998	998	PSI
(E) Second Initial Flow Pressure.....	847	847	PSI
(F) Second Final Flow Pressure.....	974	974	PSI
(G) Final Closed-in Pressure.....	984	984	PSI
(H) Final Hydrostatic Mud.....	2088	2088	PSI



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Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Myrick/Fort Scott Effective Pay -- Ft. Ticket No. J1826  
Date 3-2-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 8 Interval Tested from 4,436 ft. to 4,490 ft. Total Depth 4,490 ft.  
Packer Depth 4,431 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,436 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,439 ft. Recorder Number 21108 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,487 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.  
Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 7.0 cc. Drill Pipe Length 4,416 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 54 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, 1/2 in., blow. Dead in 20 mins.  
2nd Open: No blow.

Recovered 10 ft. of oil specked drilling mud = .142000 bbls.  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

Remarks         

Time Set Packer(s) 7:18 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 9:18 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 117°  
Initial Hydrostatic Pressure ..... (A) 2174 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 28 P.S.I. to (C) 30 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 70 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 29 P.S.I. to (F) 30 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 56 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2144 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC

Contact: CRAIG CAULK

Phone:                      Fax:                      e-mail:

### Site Information:

Contact: ROGER FISHER

Phone:                      Fax:                      e-mail:

### Well Information:

Name: BUENA VISTA #1

Operator: RITCHIE EXPLORATION INC

Location-Downhole: DST #8 4436 TO 4490

Location-Surface: S1/17S/31W SCOTT COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: ROGER FISHER

Test Type: CONVENTIONAL                      Job Number: D219

Test Unit: 2

Start Date: 2006/03/02                      Start Time: 07:26:00

End Date: 2006/03/02                      End Time: 13:27:00

Report Date: 2006/03/02                      Prepared By: JOHN RIEDL

Remarks:                      Qualified By: ROGER FISHER

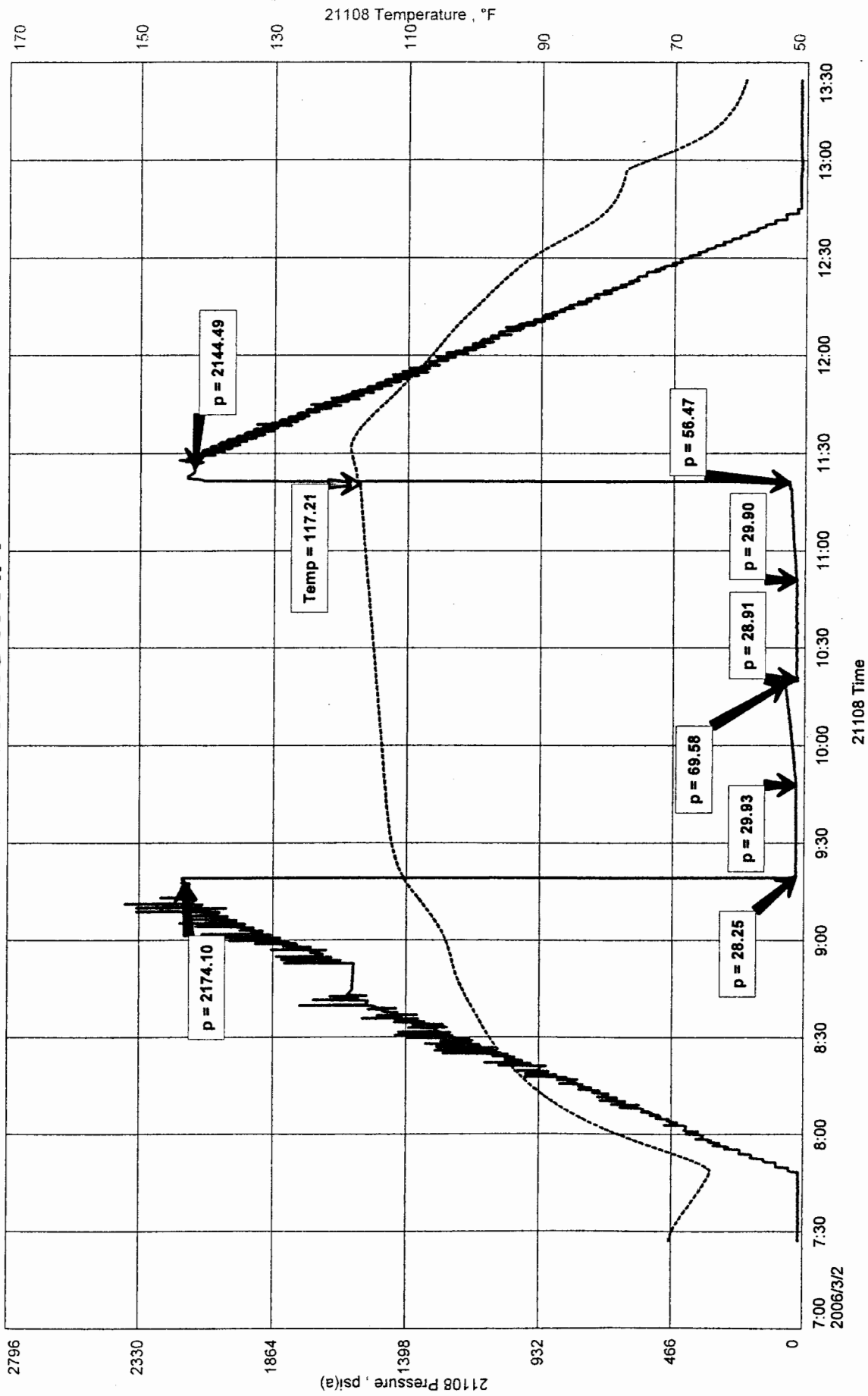
RECOVERY: 10' OIL SPECKED MUD

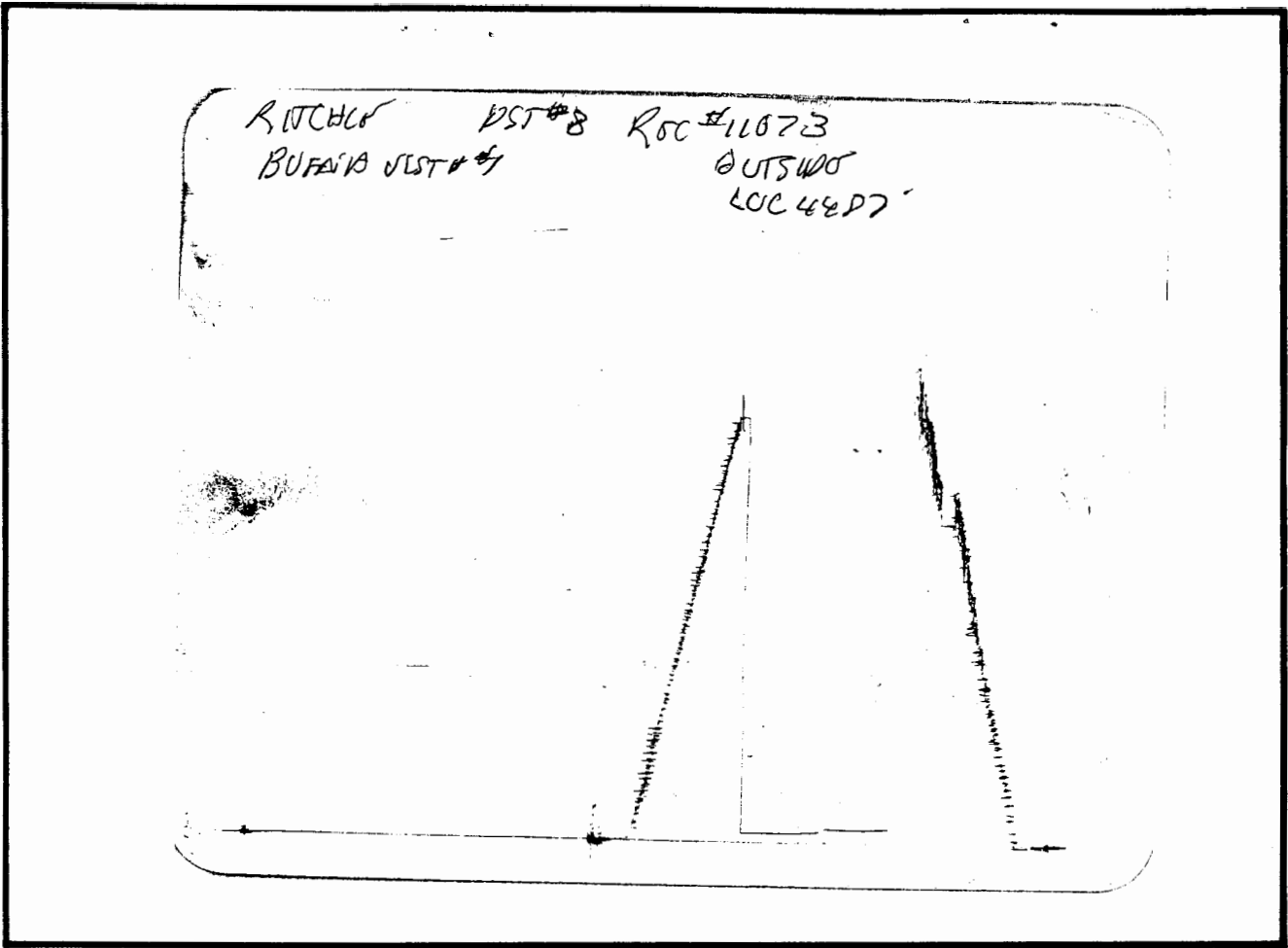


RITCHIE EXPLORATION INC  
 DST #8 4436 TO 4490  
 Start Test Date: 2006/03/02  
 Final Test Date: 2006/03/02

BUENA VISTA #1  
 Formation: MYRICK/FORT SCOTT  
 Job Number: D219

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	2174	2174	PSI
(B) First Initial Flow Pressure.....	28	28	PSI
(C) First Final Flow Pressure .....	30	30	PSI
(D) Initial Closed-in Pressure .....	70	70	PSI
(E) Second Initial Flow Pressure.....	29	29	PSI
(F) Second Final Flow Pressure.....	30	30	PSI
(G) Final Closed-in Pressure.....	56	56	PSI
(H) Final Hydrostatic Mud.....	2144	2144	PSI



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Company Ritchie Exploration, Inc. Lease & Well No. Buena Vista No. 1  
Elevation 2910KB Formation Johnson Effective Pay -- Ft. Ticket No. J1827  
Date 3-2-06 Sec. 1 Twp. 17S Range 31W County Scott State Kansas  
Test Approved By Roger L. Fisher Diamond Representative John C. Riedl

Formation Test No. 9 Interval Tested from 4,487 ft. to 4,545 ft. Total Depth 4,545 ft.

Packer Depth 4,482 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,487 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,490 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,542 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 6.0 cc. Drill Pipe Length 4,467 ft. I.D. 3 1/2 in.

Chlorides 3,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.

Jars: Make Bowen Serial Number Not Run Anchor Length 58 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 blow. Dead in 3 mins.

2nd Open: No blow. Flushed tool, but of no help.

Recovered 15 ft. of oil specked mud = .213000 bbls. (Chlorides: 3,000 Ppm)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks         

Time Set Packer(s) 11:50 ~~XXM~~ P.M. Time Started Off Bottom 1:50 ~~PM~~ A.M. Maximum Temperature 117°

Initial Hydrostatic Pressure ..... (A) 2201 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 29 P.S.I. to (C) 34 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 900 P.S.I.

Final Flow Period ..... Minutes 30 (E) 38 P.S.I. to (F) 40 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 881 P.S.I.

Final Hydrostatic Pressure ..... (H) 2166 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: RITCHIE EXPLORATION INC

Contact: CRAIG CAULK

Phone: Fax: e-mail:

### Site Information:

Contact: ROGER FISHER

Phone: Fax: e-mail:

### Well Information:

Name: BUENA VISTA #1

Operator: RITCHIE EXPLORATION INC

Location-Downhole: 4487 TO 4545

Location-Surface: S1/17S/31W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: ROGER FISHER

Test Type: CONVENTIONAL Job Number: D220

Test Unit: 2

Start Date: 2006/03/02 Start Time: 21:56:00

End Date: 2006/03/03 End Time: 05:45:00

Report Date: 2006/03/03 Prepared By: JOHN RIEDL

Qualified By: ROGER FISHER

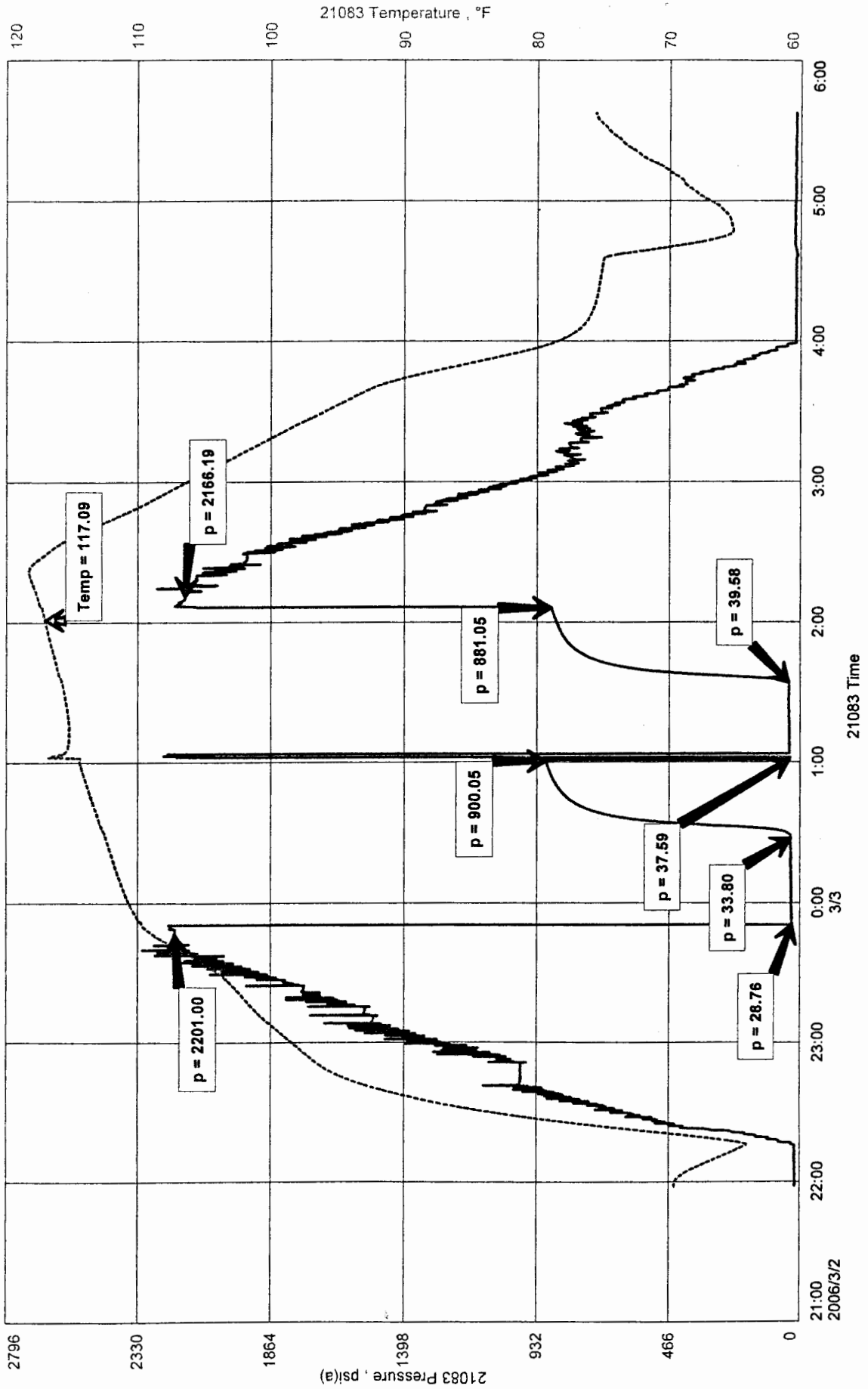
### Remarks:

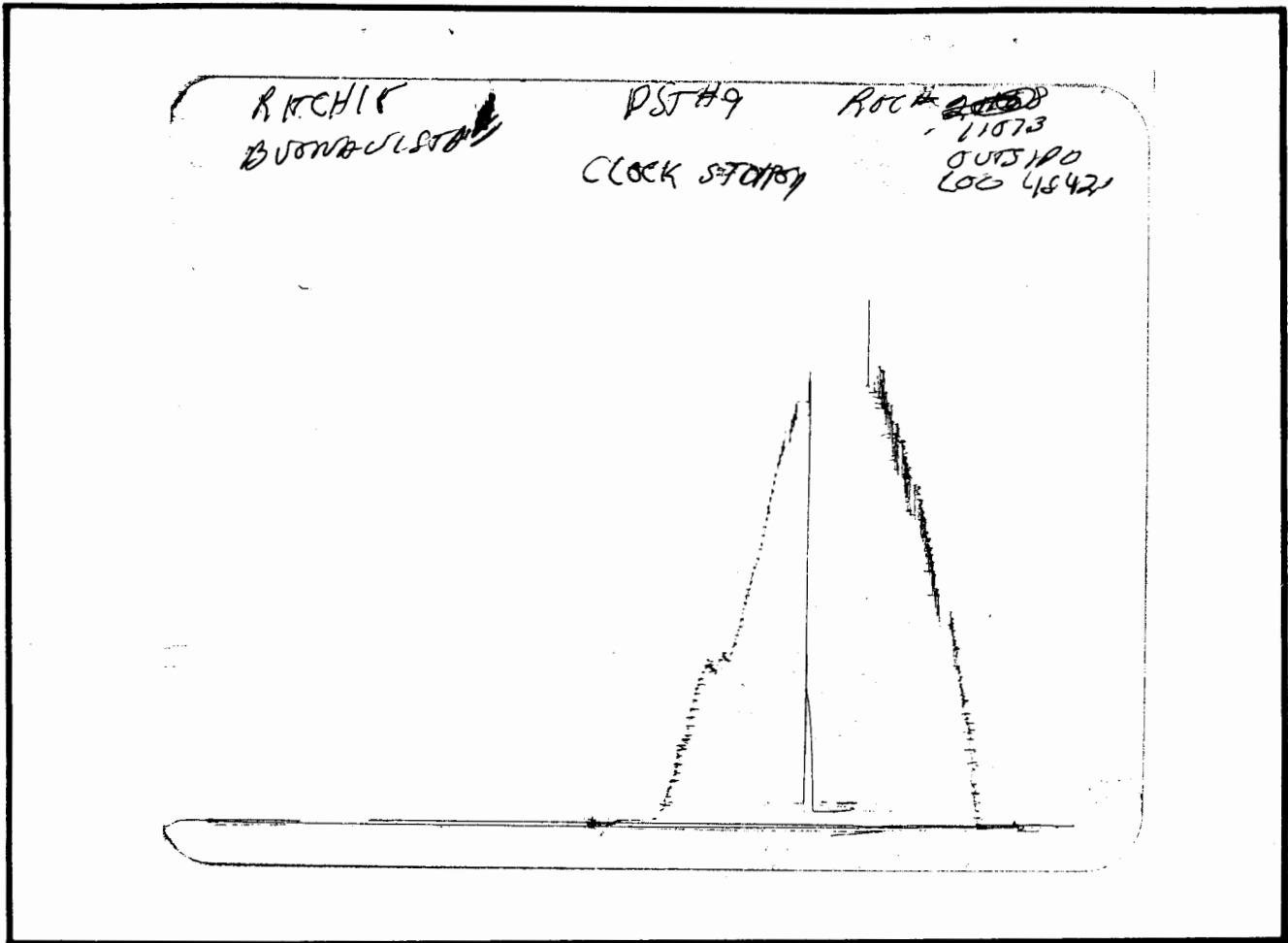
RECOVERY: 15' OIL SPECKER MUD

RITCHIE EXPLORATION INC  
4487 TO 4545  
Start Test Date: 2006/03/02  
Final Test Date: 2006/03/03

BUENA VISTA #1  
Formation: JOHNSON  
Job Number: D220

# BUENA VISTA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	2201	2201	PSI
(B) First Initial Flow Pressure.....	29	29	PSI
(C) First Final Flow Pressure .....	34	34	PSI
(D) Initial Closed-in Pressure .....	900	900	PSI
(E) Second Initial Flow Pressure.....	38	38	PSI
(F) Second Final Flow Pressure.....	40	40	PSI
(G) Final Closed-in Pressure.....	881	881	PSI
(H) Final Hydrostatic Mud.....	2166	2166	PSI

RECEIVED