

15-101-22004

14-17s-28w

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 21108.D496

Page 1 of 2 Pages

Company Mull Drilling Co., Inc. Lease & Well No. Borell "B" No. 1-14
Elevation 2751KB Formation Lansing/Kansas City "J" - "K" Effective Pay -- Ft. Ticket No. J2099
Date 7-24-07 Sec. 14 Twp. 17S Range 28W County Lane State Kansas
Test Approved By Kevin L. Kessler Diamond Representative John C. Riedl
Formation Test No. 1 Interval Tested from 4,210 ft. to 4,285 ft. Total Depth 4,285 ft.
Packer Depth 4,205 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,210 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 4,213 ft. Recorder Number 21108 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,282 ft. Recorder Number 11017 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi
Drilling Contractor Duke Drilling Co., Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 4,190 ft. I.D. 3 1/2 in.
Chlorides 1,200 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 75 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 7 mins.
2nd Open: No blow. Flushed tool; no help.

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

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 4:55 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:05 ~~P.M.~~ ^{A.M.} Maximum Temperature 118°
Initial Hydrostatic Pressure (A) 2031 P.S.I.
Initial Flow Period Minutes 10 (B) 31 P.S.I. to (C) 32 P.S.I.
Initial Closed In Period Minutes 30 (D) 622 P.S.I.
Final Flow Period Minutes 30 (E) 32 P.S.I. to (F) 35 P.S.I.
Final Closed In Period Minutes 60 (G) 676 P.S.I.
Final Hydrostatic Pressure (H) 2008 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: BORELL B #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST #1 4210 4285

Location-Surface: S14/17S/28W LANE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KEVIN KESSLER

Test Type: CONVENTIONAL

Job Number: D496

Test Unit: 2

Start Date: 2007/07/24

Start Time: 03:10:00

End Date: 2007/07/24

End Time: 09:00:00

Report Date: 2007/07/24

Prepared By: JOHN RIEDL

Remarks:

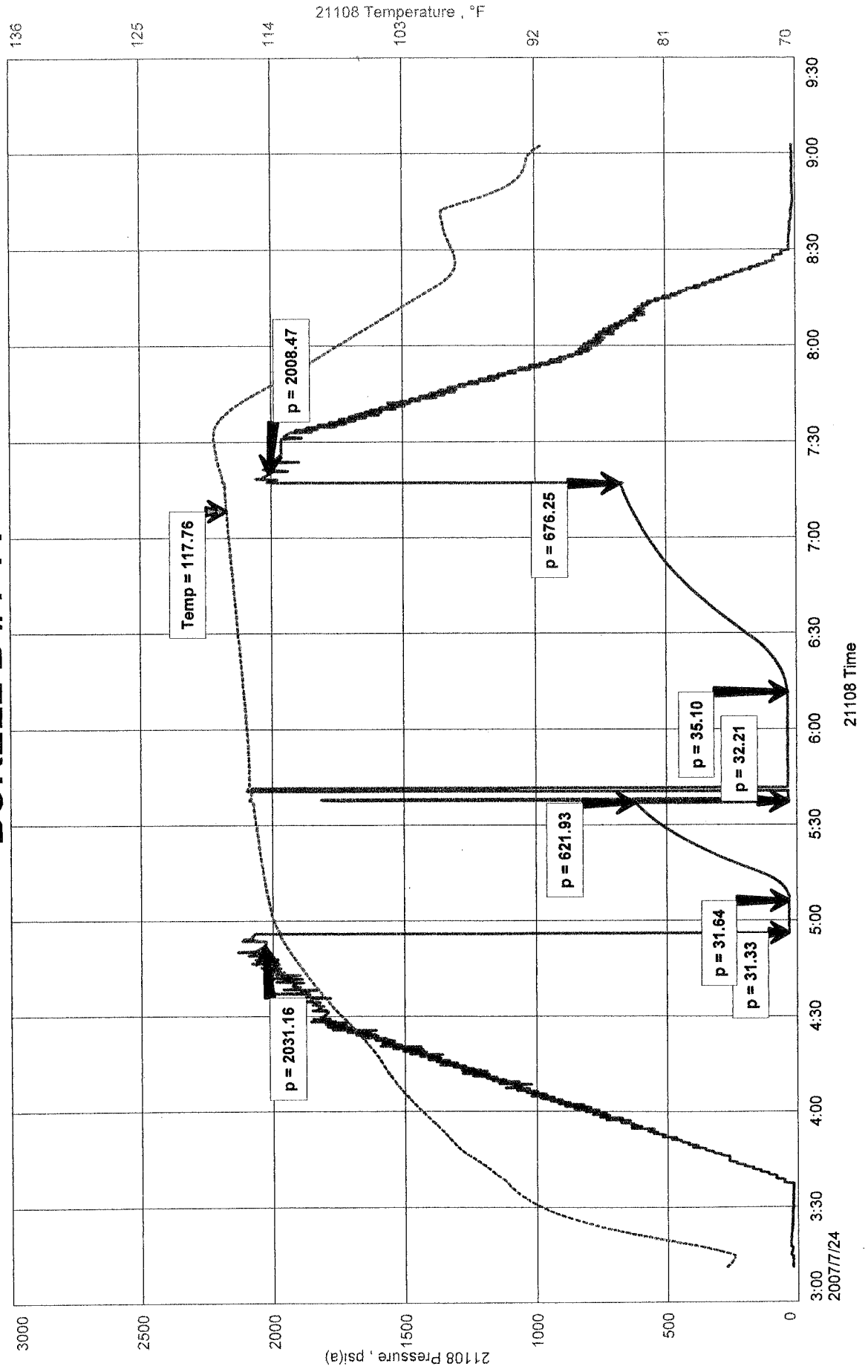
Qualified By: KEVIN KESSLER

RECOVERY: 10' DRILLING MUD

BORELL B #1-14
Formation: LKC "J,K"
Job Number: D496

MULL DRILLING CO INC
DST #1 4210 4285
Start Test Date: 2007/07/24
Final Test Date: 2007/07/24

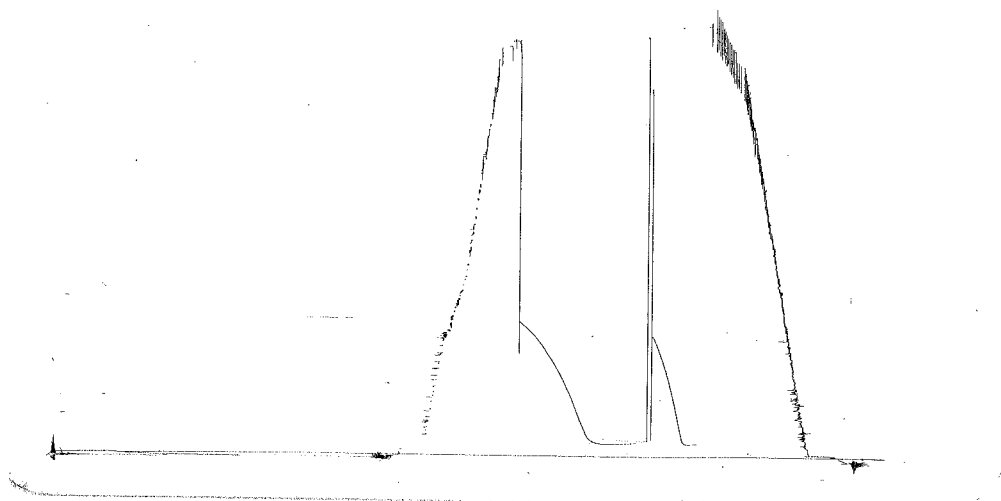
BORELL B #1-14



MULL DRILL
BORING #1-14

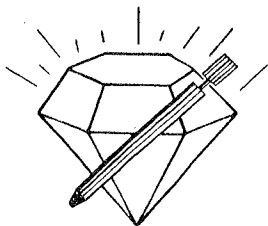
DST #1

ROC #11017
OUTSIDE



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2031	2031
(B) First Initial Flow Pressure	31	31
(C) First Final Flow Pressure	32	32
(D) Initial Closed-in Pressure	622	622
(E) Second Initial Flow Pressure	32	32
(F) Second Final Flow Pressure	35	35
(G) Final Closed-in Pressure	676	676
(H) Final Hydrostatic Mud	2008	2008



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Company Mull Drilling Co., Inc. Lease & Well No. Borell "B" No. 1-14

Elevation 2751KB Formation Lansing "L"/Marmaton Effective Pay -- Ft. Ticket No. J2100

Date 7-24-07 Sec. 14 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,275 ft. to 4,375 ft. Total Depth 4,375 ft.

Packer Depth 4,270 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,275 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,278 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,372 ft. Recorder Number 11017 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 4,255 ft. I.D. 3 1/2 in.

Chlorides 1,600 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 100 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.

2nd Open: Fair, 4 in., blow.

Recovered 120 ft. of gas in pipe

Recovered 3 ft. of free oil = .042600 bbls.

Recovered 60 ft. of slightly oil & gas cut mud = .852000 bbls. (Grind out: 5%-oil; 5%-gas; 90%-mud)

Recovered 63 ft. of TOTAL FLUID = .894600 bbls.

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 11:10 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:50 ~~P.M.~~ ^{A.M.} Maximum Temperature 121°

Initial Hydrostatic Pressure (A) 2075 P.S.I.

Initial Flow Period Minutes 10 (B) 33 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period Minutes 30 (D) 1143 P.S.I.

Final Flow Period Minutes 60 (E) 38 P.S.I. to (F) 63 P.S.I.

Final Closed In Period Minutes 120 (G) 1142 P.S.I.

Final Hydrostatic Pressure (H) 2025 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: BORELL "B" #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST #2 4275 TO 4375

Location-Surface: S14/17S/28W LANE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KEVIN KESSLER

Test Type: CONVENTIONAL Job Number: D497

Test Unit: 2

Start Date: 2007/07/24 Start Time: 21:37:00

End Date: 2007/07/25 End Time: 04:40:00

Report Date: 2007/07/25 Prepared By: JOHN RIEDL

Qualified By: KEVIN KESSLER

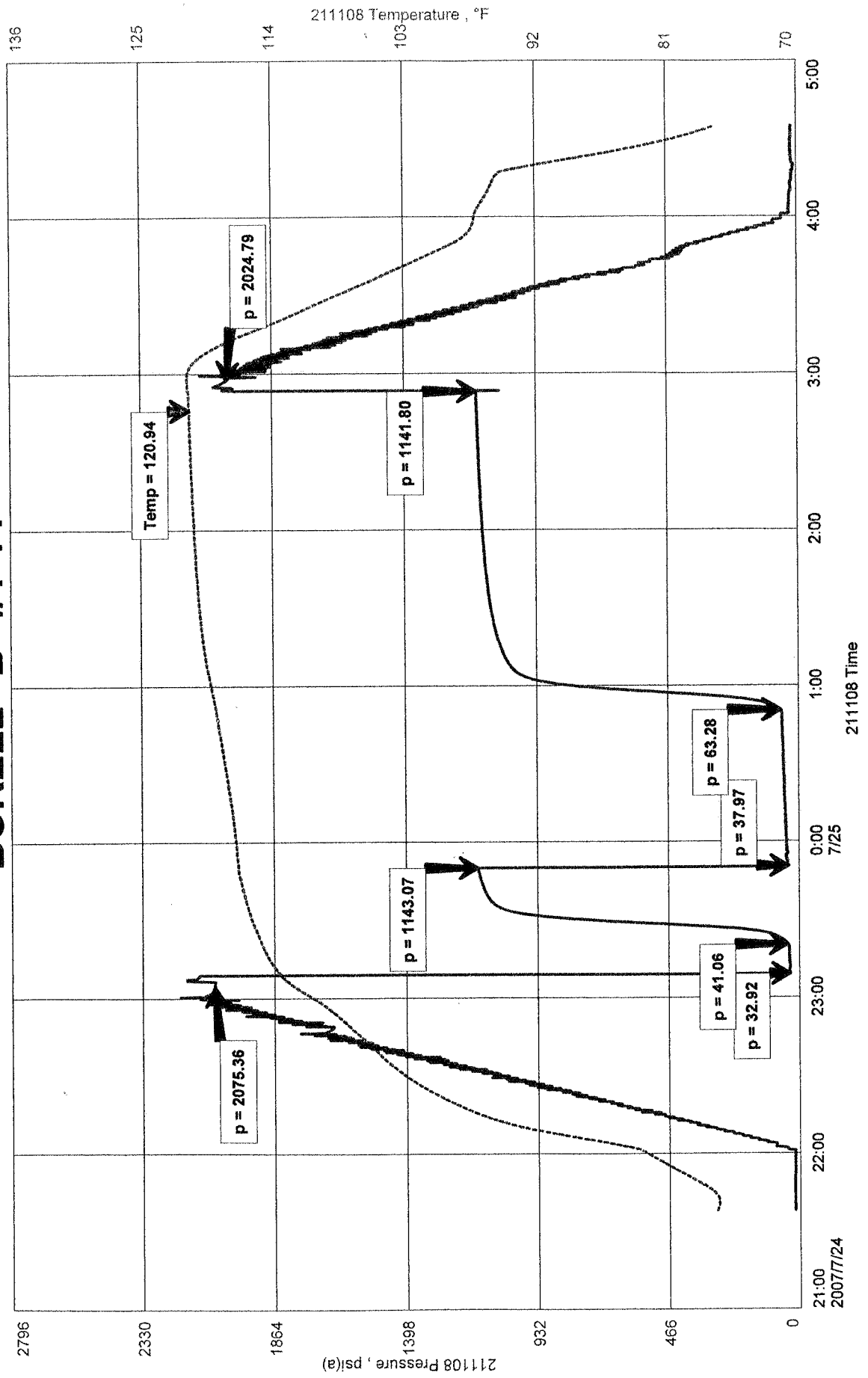
Remarks:

RECOVERY: 120' GAS IN PIPE
3' FREE OIL
60' SLO+GCM (5%OIL 5%GAS 90%MUD)

BORELL "B" #1-14
Formation: LANS "L" + MARMATON
Job Number: D497

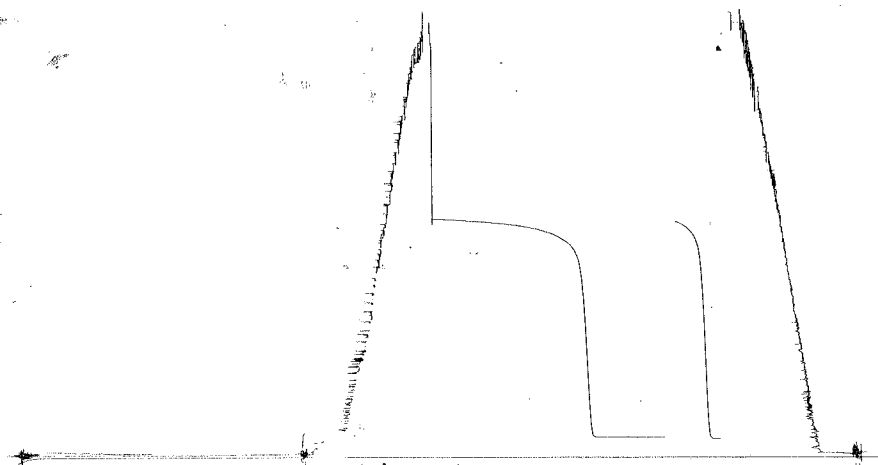
MULL DRILLING CO INC
DST #2 4275 TO 4375
Start Test Date: 2007/07/24
Final Test Date: 2007/07/25

BORELL "B" #1-14



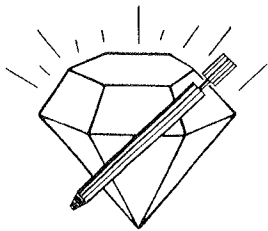
MILLAR 1ST #2
BOROLL B #14

Rec # ~~2075~~
90522 11017



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2075	2075
(B) First Initial Flow Pressure	33	33
(C) First Final Flow Pressure	41	41
(D) Initial Closed-In Pressure	1143	1143
(E) Second Initial Flow Pressure	38	38
(F) Second Final Flow Pressure	63	63
(G) Final Closed-in Pressure	1142	1142
(H) Final Hydrostatic Mud	2025	2025



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Company Mull Drilling Co., Inc. Lease & Well No. Borell "B" No. 1-14
Elevation 2751KB Formation Pawnee/Fort Scott Effective Pay -- Ft. Ticket No. J2101
Date 7-25-07 Sec. 14 Twp. 17S Range 28W County Lane State Kansas
Test Approved By Kevin L. Kessler Diamond Representative John C. Riedl
Formation Test No. 3 Interval Tested from 4,435 ft. to 4,505 ft. Total Depth 4,505 ft.
Packer Depth 4,430 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,435 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 4,438 ft. Recorder Number 21108 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,502 ft. Recorder Number 11017 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi
Drilling Contractor Duke Drilling Co., Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.2 Water Loss 10.2 cc. Drill Pipe Length 4,410 ft. I.D. 3 1/2 in.
Chlorides 3,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 70 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 5 mins.
2nd Open: No blow. Flushed tool; no help.

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

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 9:15 ~~XXX~~ P.M. Time Started Off Bottom 11:25 ~~XXX~~ P.M. Maximum Temperature 120°
Initial Hydrostatic Pressure (A) 2190 P.S.I.
Initial Flow Period Minutes 10 (B) 31 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period Minutes 30 (D) 574 P.S.I.
Final Flow Period Minutes 30 (E) 32 P.S.I. to (F) 37 P.S.I.
Final Closed In Period Minutes 60 (G) 419 P.S.I.
Final Hydrostatic Pressure (H) 2159 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: BORELL "B" #1-14 DST#3

Operator:

Location-Downhole: DST #3 4435 TO 4505

Location-Surface: S17/17S/28W LANE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KEVIN KESSLER

Test Type: CONVENTIONAL

Job Number: D498

Test Unit: 2

Start Date: 2007/07/25

Start Time: 21:35:00

End Date: 2007/07/26

End Time: 01:20:00

Report Date: 2007/07/26

Prepared By: JOHN RIEDL

Remarks:

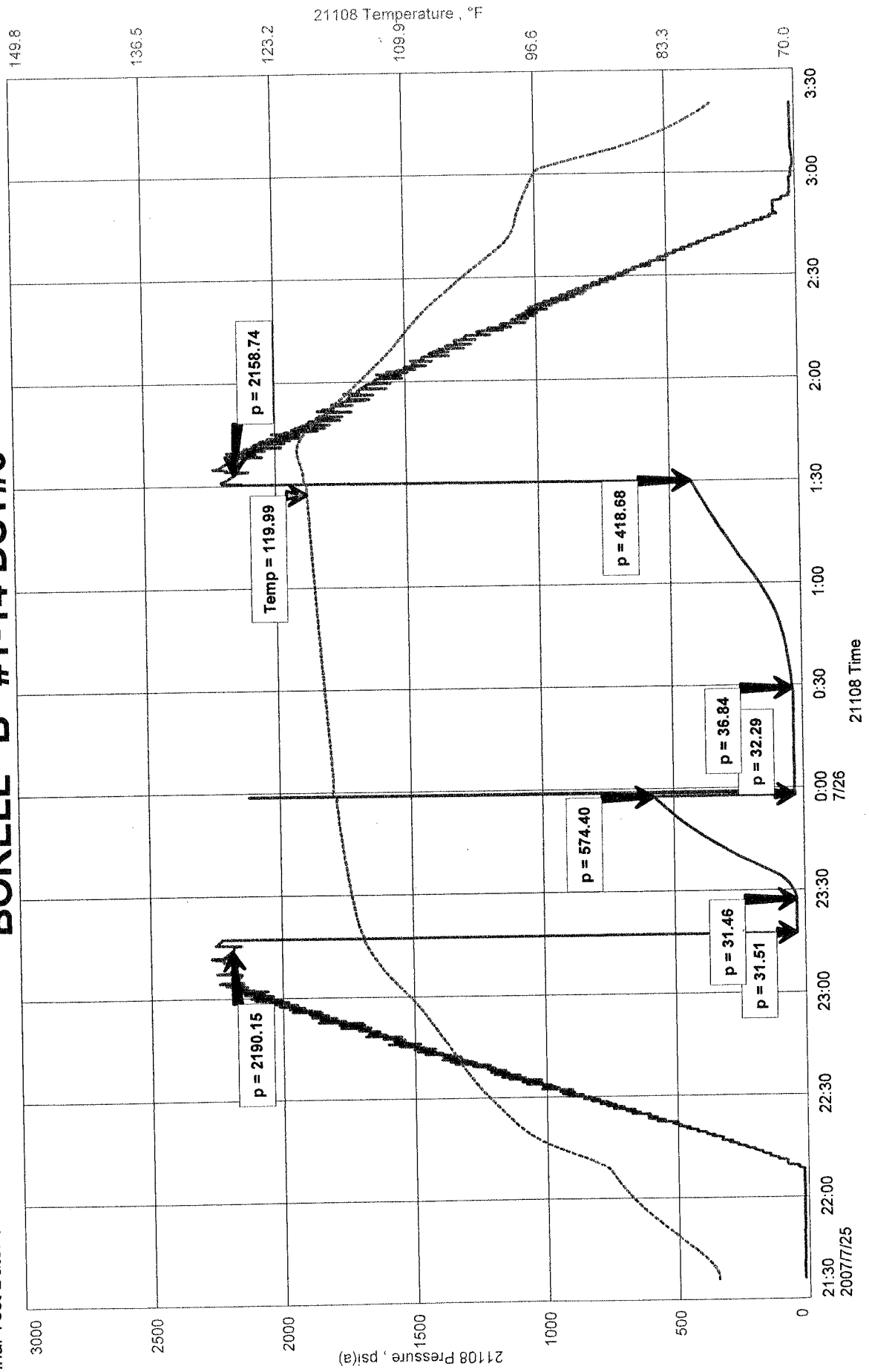
Qualified By: KEVIN KESSLER

RECOVERY: 10' DRILLING MUD

BORELL "B" #1-14 DST#3
Formation: MARMATON, CHEROKEE
Job Number: D498

MULL DRILLING CO INC
DST #3 4435 TO 4505
Start Test Date: 2007/07/25
Final Test Date: 2007/07/26

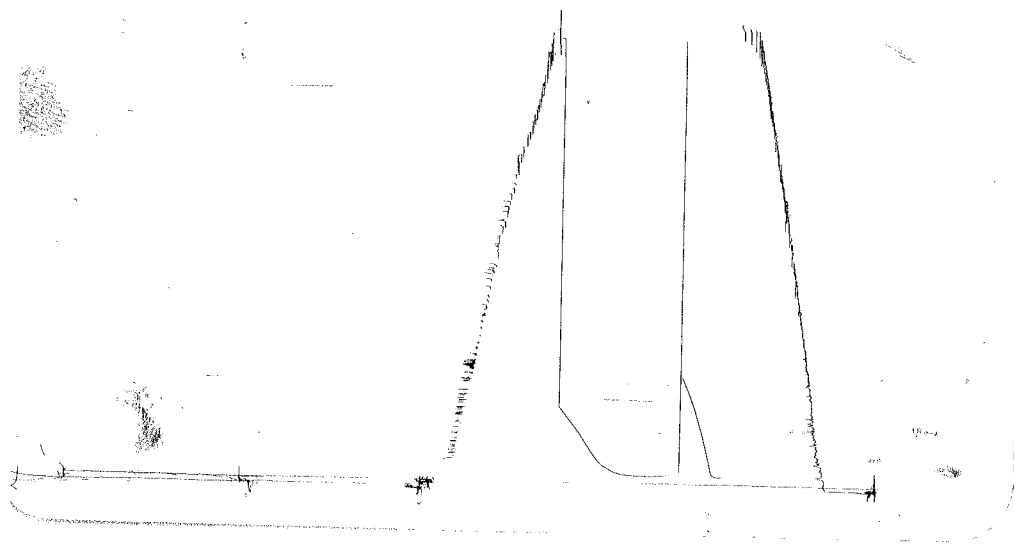
BORELL "B" #1-14 DST#3



MULL ~~16~~ 6
BOKFLC B 1-14

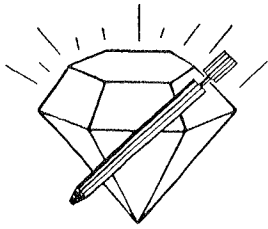
DST# 3

180 NOV 67
UOTSIDO



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	
	Field Reading			
(A)	Initial Hydrostatic Mud	2190	2190	PSI
(B)	First Initial Flow Pressure.....	31	31	PSI
(C)	First Final Flow Pressure	31	31	PSI
(D)	Initial Closed-in Pressure	574	574	PSI
(E)	Second Initial Flow Pressure	32	32	PSI
(F)	Second Final Flow Pressure.....	37	37	PSI
(G)	Final Closed-in Pressure	419	419	PSI
(H)	Final Hydrostatic Mud.....	2159	2159	PSI



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Company Mull Drilling Co., Inc. Lease & Well No. Borell "B" No. 1-14
Elevation 2751KB Formation Cherokee Sand Effective Pay -- Ft. Ticket No. J2102
Date 7-26-07 Sec. 14 Twp. 17S Range 28W County Lane State Kansas
Test Approved By Kevin L. Kessler Diamond Representative John C. Riedl
Formation Test No. 4 Interval Tested from 4,525 ft. to 4,565 ft. Total Depth 4,565 ft.
Packer Depth 4,520 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,525 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 4,528 ft. Recorder Number 21108 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,562 ft. Recorder Number 11017 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi
Drilling Contractor Duke Drilling Co., Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 4,500 ft. I.D. 3 1/2 in.
Chlorides 3,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number No. 2 Anchor Length 40 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 5 ft. of drilling mud = .071000 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 2:45 ~~XXX~~ P.M. Time Started Off Bottom 4:55 ~~XXX~~ P.M. Maximum Temperature 120°
Initial Hydrostatic Pressure (A) 2226 P.S.I.
Initial Flow Period Minutes 10 (B) 33 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period Minutes 30 (D) 79 P.S.I.
Final Flow Period Minutes 30 (E) 33 P.S.I. to (F) 33 P.S.I.
Final Closed In Period Minutes 60 (G) 55 P.S.I.
Final Hydrostatic Pressure (H) 2219 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: BORELL "B" #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST #4 4525 TO 4565

Location-Surface: S14/17S/28W LANE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KEVIN KESSLER

Test Type: CONVENTIONAL

Job Number: D499

Test Unit: 2

Start Date: 2007/07/26

Start Time: 01:10:00

End Date: 2007/07/26

End Time: 18:35:00

Report Date: 2007/07/16

Prepared By: JOHN RIEDL

Remarks:

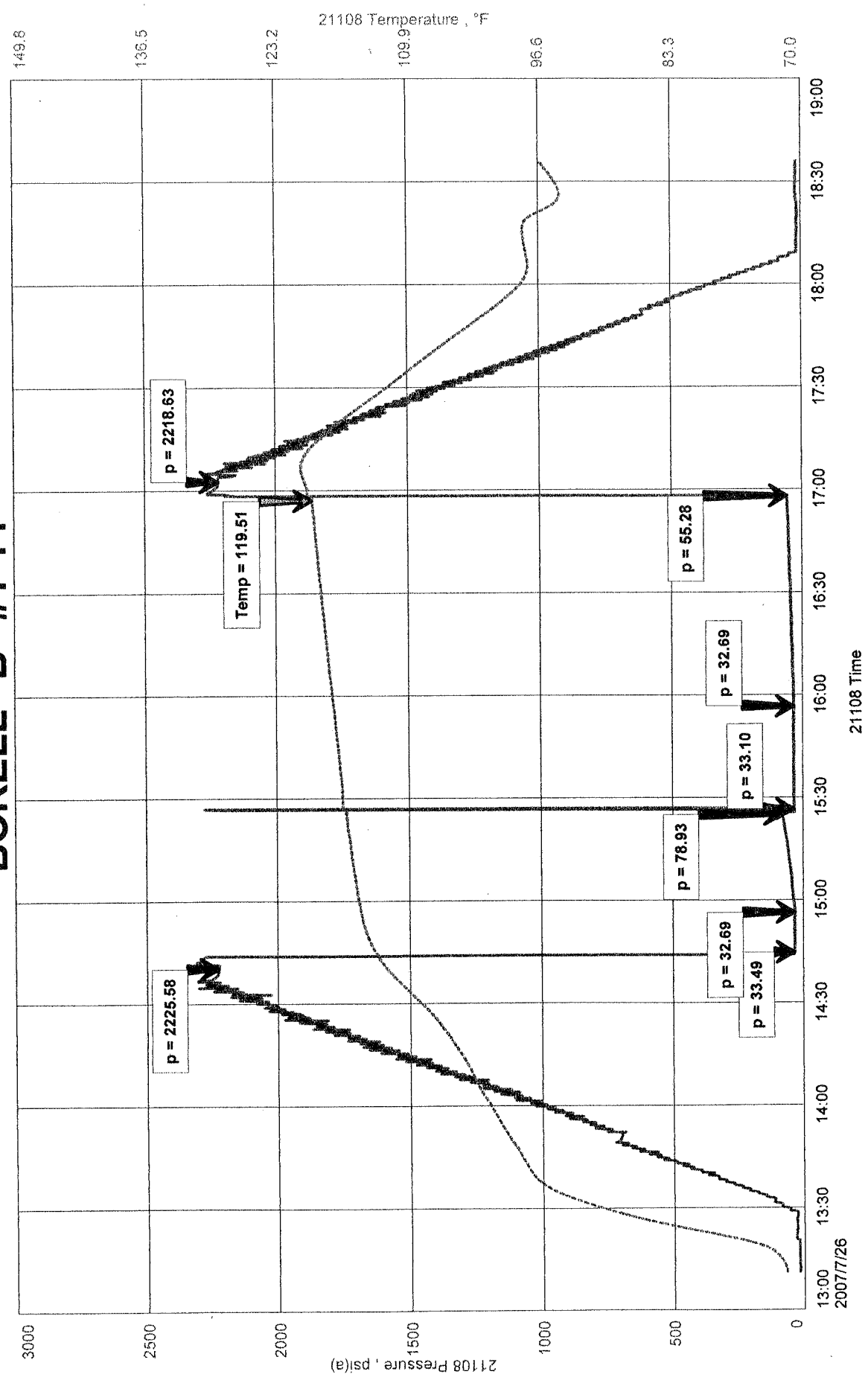
Qualified By: KEVIN KESSLER

RECOVERY: 5' DRILLING MUD

BORELL "B" #1-14
Formation: JOHNSON
Job Number: D499

MULL DRILLING CO INC
DST #4 4525 TO 4565
Start Test Date: 2007/07/26
Final Test Date: 2007/07/26

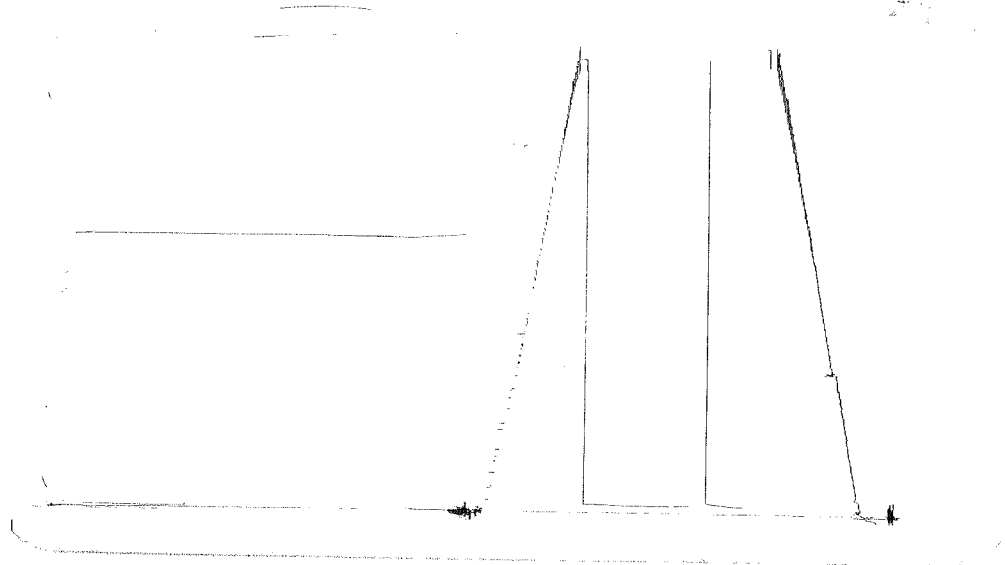
BORELL "B" #1-14



MULL ORCB
BORHLL B #1-14

UST #4

ROC #11017
OUTSIDE



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2226	2226
(B) First Initial Flow Pressure.....	33	33
(C) First Final Flow Pressure	33	33
(D) Initial Closed-in Pressure	79	79
(E) Second Initial Flow Pressure.....	33	33
(F) Second Final Flow Pressure.....	33	33
(G) Final Closed-in Pressure.....	55	55
(H) Final Hydrostatic Mud.....	2219	2219