



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21108.D 388

Page 1 of 2 Pages

Company Mull Drilling Co., Inc. Lease & Well No. Garvin-Marmie No. 1-14
Elevation 1935KB Formation Lansing "B" & "D" Effective Pay -- Ft. Ticket No. J1991
Date 12-07-06 Sec. 14 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,460 ft. to 3,495 ft. Total Depth 3,495 ft.

Packer Depth 3,455 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,460 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,463 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,492 ft. Recorder Number 11017 Cap. 4,000 psi

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

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 250 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.8 Water Loss 7.2 cc. Drill Pipe Length 3,190 ft. I.D. 3 1/2 in.

Chlorides 7,200 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - JF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 35 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: Fair, 1/2 in., blow building to 4 ins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 25 mins. No blow back during shut-in.

Recovered 270 ft. of gas in pipe

Recovered 90 ft. of slightly water cut muddy gassy oil = .442800 bbls. (Grind out: 5%-water; 20%-mud; 20%-gas; 55%-oil)

Recovered 120 ft. of slightly oil cut muddy water = .590400 bbls. (Grind out: 5%-oil; 20%-mud; 75%-water)

Recovered 210 ft. of TOTAL FLUID = 1.033200 bbls. Chlorides: 37,000 Ppm

Recovered -- ft. of --

Remarks Resistivity: .30 @ 40°

Time Set Packer(s) 12:30 ~~AM~~ P.M. Time Started Off Bottom 4:10 ~~AM~~ P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1641 P.S.I.

Initial Flow Period Minutes 10 (B) 35 P.S.I. to (C) 53 P.S.I.

Initial Closed In Period Minutes 30 (D) 1057 P.S.I.

Final Flow Period Minutes 60 (E) 61 P.S.I. to (F) 122 P.S.I.

Final Closed In Period Minutes 120 (G) 1050 P.S.I.

Final Hydrostatic Pressure (H) 1611 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: RICK SAENGER

Phone: Fax: e-mail:

Site Information:

Contact: PHIL ASKEY

Phone: Fax: e-mail:

Well Information:

Name: GARVIN-MARMIE #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST #1 3460 TO 3495

Location-Surface: S14/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: PHIL ASKEY

Test Type: CONVENTIONAL

Job Number: D388

Test Unit: 2

Start Date: 2006/12/07

Start Time: 11:00:00

End Date: 2006/12/07

End Time: 18:45:00

Report Date: 2006/12/07

Prepared By: JOHN RIEDL

Remarks:

Qualified By: PHIL ASKEY

RECOVERY: 270' GAS IN PIPE

90' SLWCMGO (5%WATER 20%MUD 20%GAS 55%OIL)

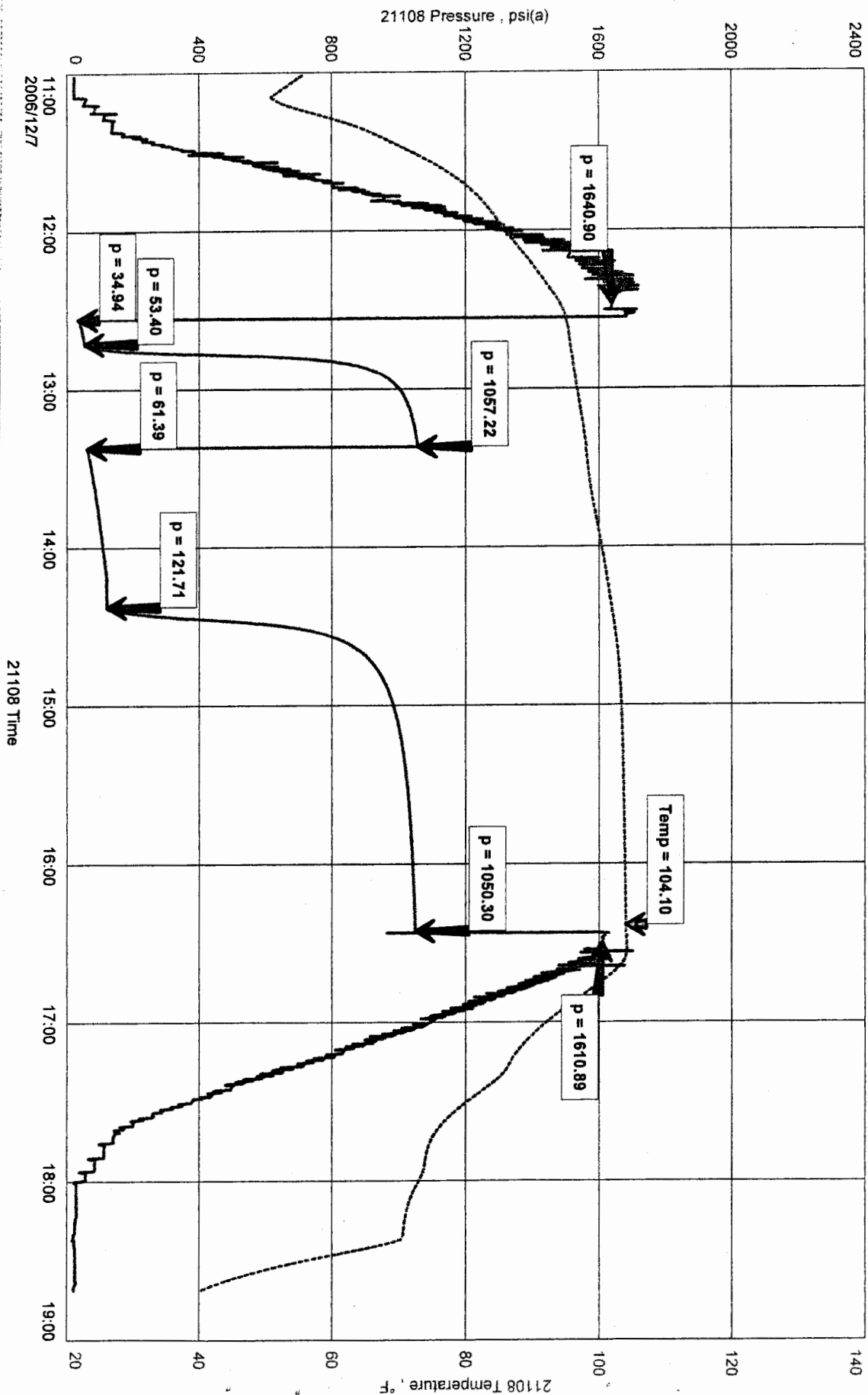
100' SLOCMW (5%OIL 20%MUD 75%WATER) CHLORIDES 37,000Ppm

TOTAL FLUID RECOVERY 210' IN DRILL COLLARS

MULL DRILLING CO INC
 DST #1 3460 TO 3495
 Start Test Date: 2006/12/07
 Final Test Date: 2006/12/07

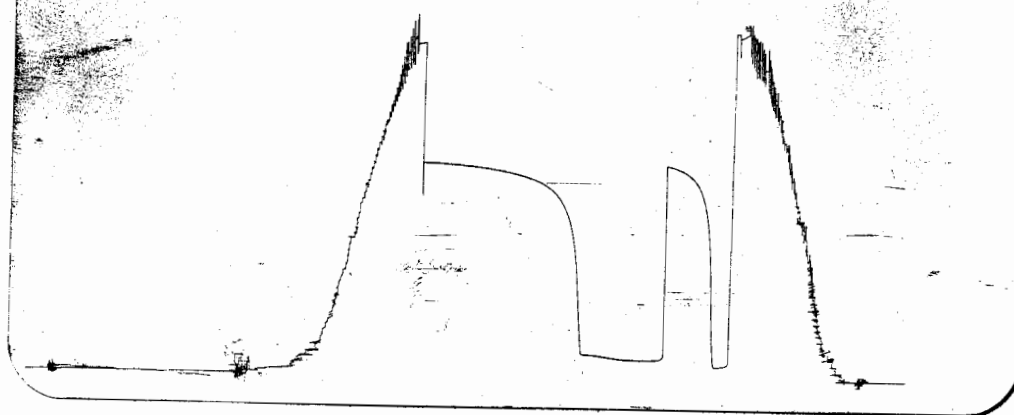
GARVIN-MARMIE #1-14
 Formation: LANSING "B,D"
 Job Number: D388

GARVIN-MARMIE #1-14



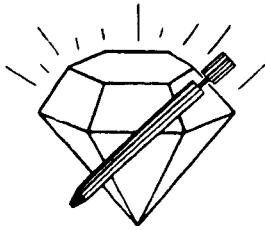
MULL. DST #1
GAKUIN - MAMES #1-14

REC'D
OUT



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	1641	1641
(B) First Initial Flow Pressure.....	35	35
(C) First Final Flow Pressure	53	53
(D) Initial Closed-in Pressure	1057	1057
(E) Second Initial Flow Pressure.....	61	61
(F) Second Final Flow Pressure.....	122	122
(G) Final Closed-in Pressure.....	1050	1050
(H) Final Hydrostatic Mud	1611	1611



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STC 21108.D389

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Company Mull Drilling Co., Inc. Lease & Well No. Garvin-Marmie No. 1-14
Elevation 1935KB Formation Lansing/Kansas City "I" Effective Pay -- Ft. Ticket No. J1992
Date 12-08-06 Sec. 14 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,575 ft. to 3,595 ft. Total Depth 3,595 ft.

Packer Depth 3,570 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,575 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,578 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,592 ft. Recorder Number 11017 Cap. 4,000 psi

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

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 250 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.8 Water Loss 9.0 cc. Drill Pipe Length 3,305 ft. I.D. 3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 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: Weak, 1/2 in., blow.

2nd Open: Weak, 1/2 in., blow.

Recovered 30 ft. of drilling mud with some oil specks = .147600 bbls.

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Remarks

Time Set Packer(s) 10:30 ~~XXX~~ A.M. Time Started Off Bottom 12:40 ~~XXX~~ P.M. Maximum Temperature 100°

Initial Hydrostatic Pressure (A) 1685 P.S.I.

Initial Flow Period Minutes 10 (B) 34 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period Minutes 30 (D) 894 P.S.I.

Final Flow Period Minutes 30 (E) 45 P.S.I. to (F) 55 P.S.I.

Final Closed In Period Minutes 60 (G) 792 P.S.I.

Final Hydrostatic Pressure (H) 1677 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: RICK SAENGER

Phone: Fax: e-mail:

Site Information:

Contact: PHIL ASKEY

Phone: Fax: e-mail:

Well Information:

Name: GARVIN-MARMIE #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST #2 3575 TO 3595

Location-Surface: S14/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: PHIL ASKEY

Test Type: CONVENTIONAL

Job Number: D389

Test Unit: 2

Start Date: 2006/12/08

Start Time: 08:40:00

End Date: 2006/12/08

End Time: 14:30:00

Report Date: 2006/12/08

Prepared By: JOHN RIEDL

Remarks:

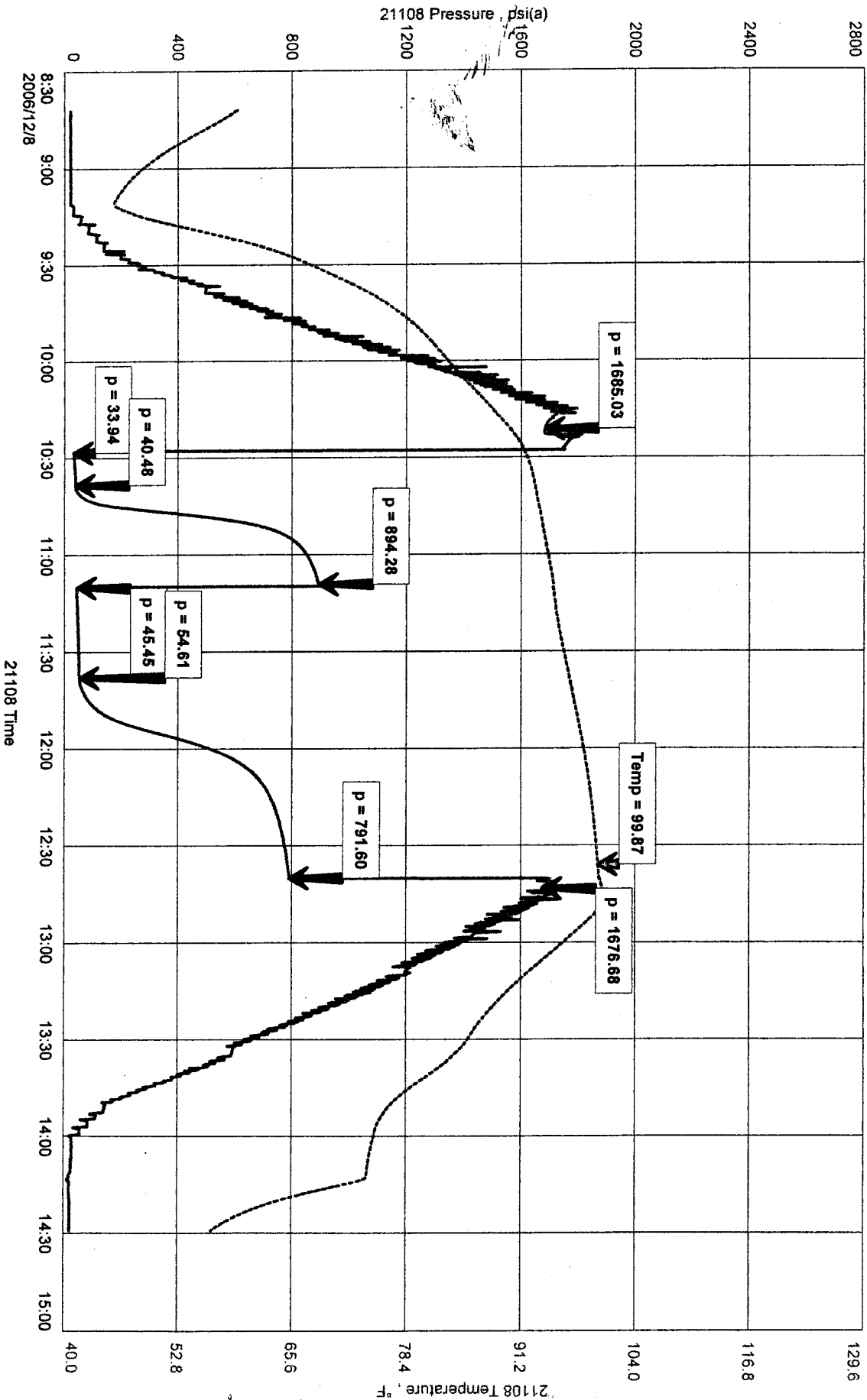
Qualified By: PHIL ASKEY

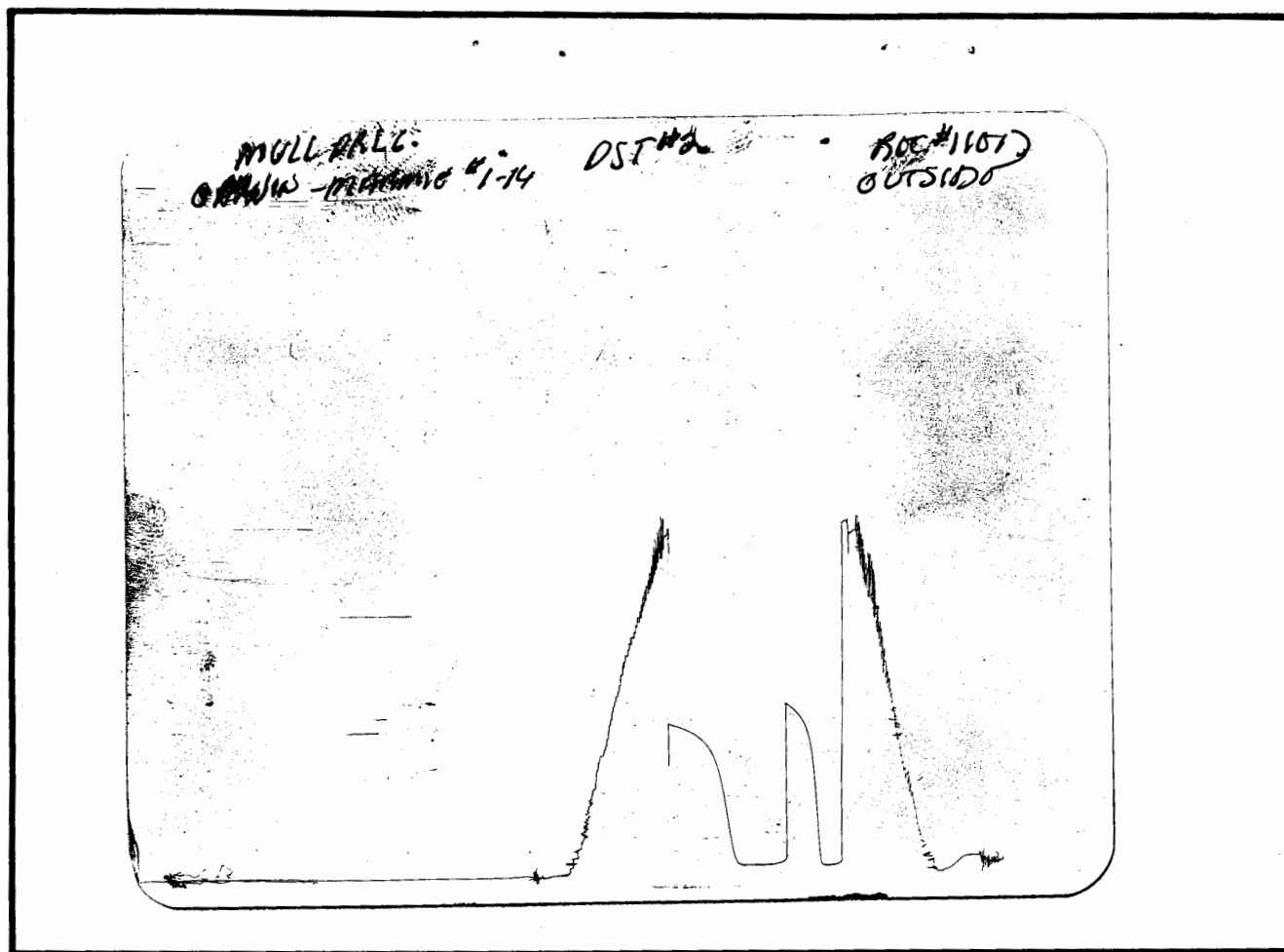
RECOVERY: 30' OIL SPECKED DRILLING MUD (IN DRILL COLLARS)

MULL DRILLING CO INC
DST #2 3575 TO 3595
Start Test Date: 2006/12/08
Final Test Date: 2006/12/08

GARVIN-MARMIE #1-14

GARVIN-MARMIE #1-14
Formation: LKC "I"
Job Number: D389





This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	1685	1685
(B) First Initial Flow Pressure.....	34	34
(C) First Final Flow Pressure	40	40
(D) Initial Closed-in Pressure	894	894
(E) Second Initial Flow Pressure.....	45	45
(F) Second Final Flow Pressure.....	55	55
(G) Final Closed-in Pressure.....	792	792
(H) Final Hydrostatic Mud	1677	1677



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Company Mull Drilling Co., Inc. Lease & Well No. Garvin-Marmie No. 1-14
Elevation 1935KB Formation Lansing/Kansas City "J" Effective Pay -- Ft. Ticket No. J1993
Date 12-09-06 Sec. 14 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,595 ft. to 3,615 ft. Total Depth 3,615 ft.

Packer Depth 3,590 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,595 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,598 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,612 ft. Recorder Number 11017 Cap. 4,000 psi

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

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 250 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.8 Water Loss 7.2 cc. Drill Pipe Length 3,325 ft. I.D. 3 1/2 in.

Chlorides 7,600 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 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: Fair, 1/2 in., blow increasing to 3 ins. Weak blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 18 mins. Weak blow back during shut-in.

Recovered 800 ft. of gas in pipe

Recovered 100 ft. of gas & mud cut oil = .492000 bbls. (Grind out: 10%-gas; 20%-mud; 70%-oil)

Recovered 100 ft. of TOTAL FLUID = .492000 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 12:50 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1713 P.S.I.

Initial Flow Period Minutes 10 (B) 35 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period Minutes 30 (D) 433 P.S.I.

Final Flow Period Minutes 60 (E) 42 P.S.I. to (F) 64 P.S.I.

Final Closed In Period Minutes 120 (G) 878 P.S.I.

Final Hydrostatic Pressure (H) 1687 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: RICK SAENGER

Phone: Fax: e-mail:

Site Information:

Contact: PHIL ASKEY

Phone: Fax: e-mail:

Well Information:

Name: GARVIN-MARMIE #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST #3 3595 TO 3615

Location-Surface: S14/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: PHIL ASKEY

Test Type: CONVENTIONAL

Job Number: D390

Test Unit: 2

Start Date: 2006/12/08

Start Time: 23:13:00

End Date: 2006/12/09

End Time: 06:50:00

Report Date: 2006/12/09

Prepared By: JOHN RIEDL

Remarks:

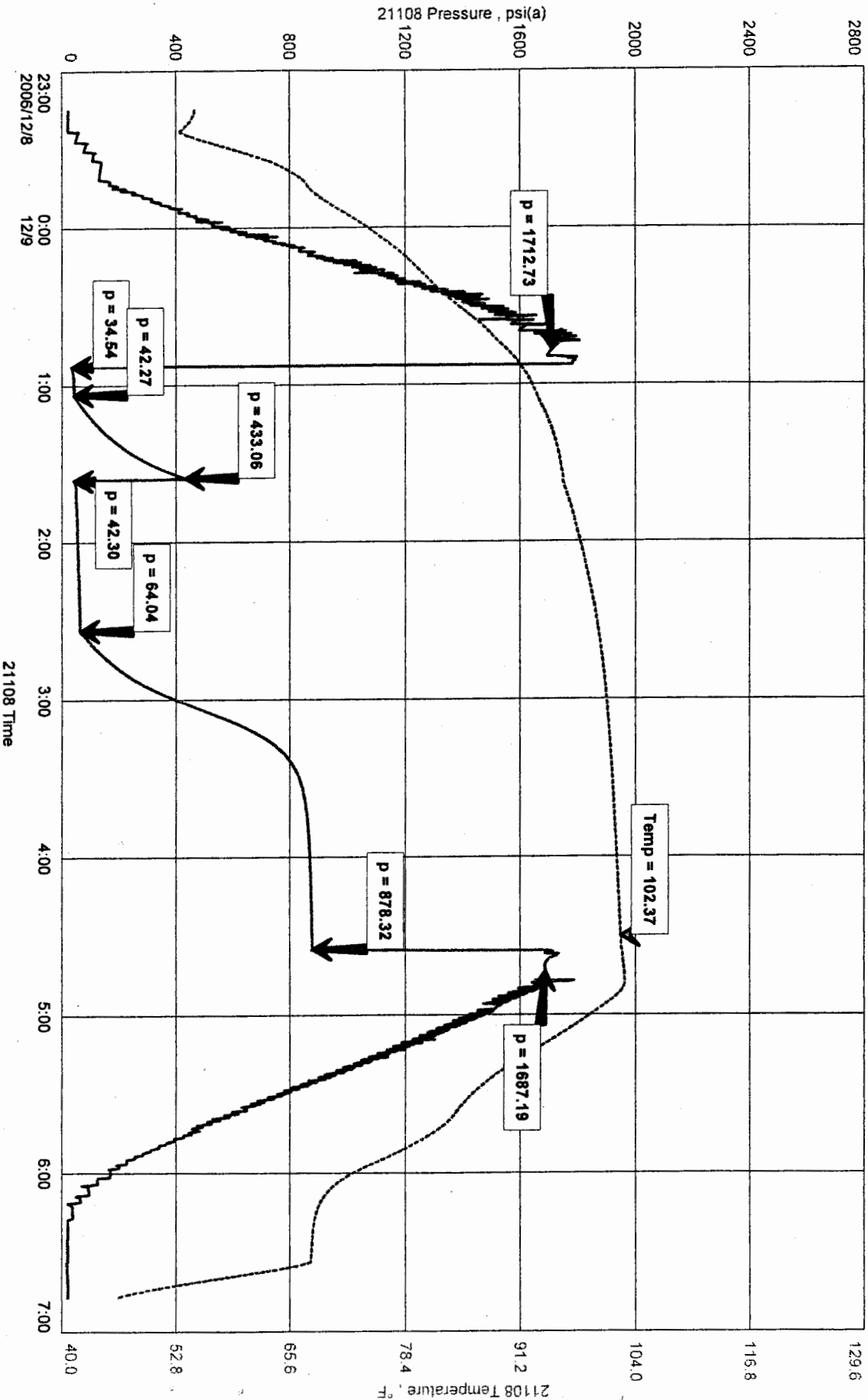
Qualified By: PHIL ASKEY

RECOVERY: 800' GAS IN PIPE
100' G+MCO (10%GAS 20%MUD 70%OIL)
TOTAL FLUID RECOVERY: 100' IN DRILL COLLARS

MULL DRILLING CO INC
DST #3 3595 TO 3615
Start Test Date: 2006/12/08
Final Test Date: 2006/12/09

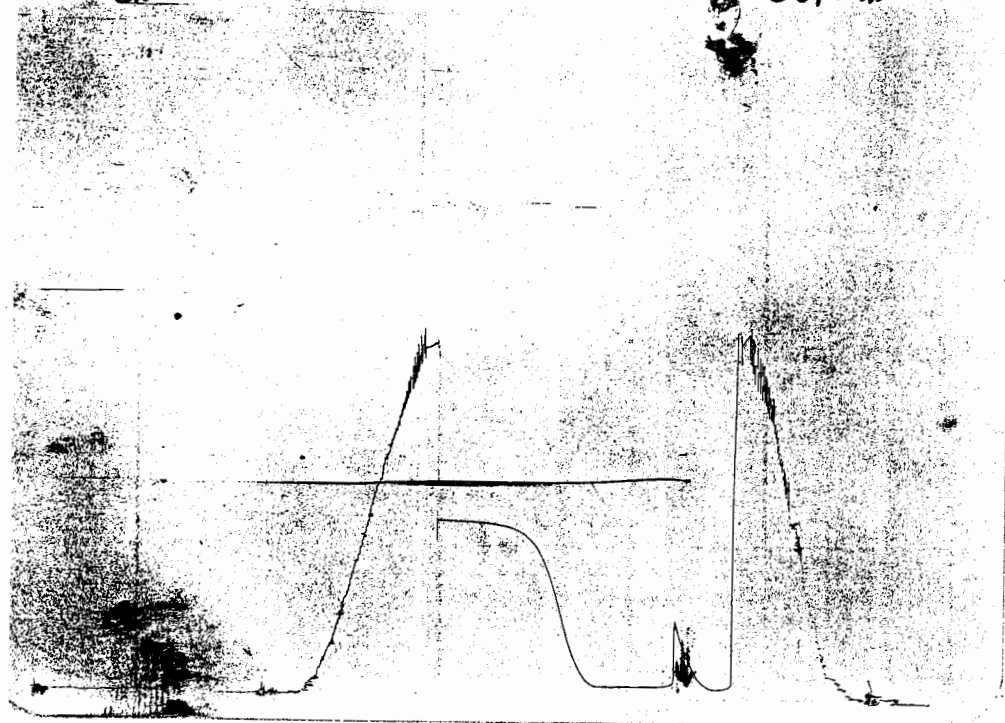
GARVIN-MARMIE #1-14

GARVIN-MARMIE #1-14
Formation: LKC "J"
Job Number: D390



MOORE DRILL DST #3
CARVIN MAXIMET-14

ROCK 11017
005100



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	
	Field Reading			
(A) Initial Hydrostatic Mud	1713	1713	PSI	
(B) First Initial Flow Pressure.....	35	35	PSI	
(C) First Final Flow Pressure	42	42	PSI	
(D) Initial Closed-in Pressure	433	433	PSI	
(E) Second Initial Flow Pressure	42	42	PSI	
(F) Second Final Flow Pressure.....	64	64	PSI	
(G) Final Closed-in Pressure.....	878	878	PSI	
(H) Final Hydrostatic Mud	1687	1687	PSI	



DIAMOND TESTING

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STC 21108.D391

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Company Mull Drilling Co., Inc. Lease & Well No. Garvin-Marmie No. 1-14

Elevation 1935KB Formation Lansing/Kansas City "K" Effective Pay -- Ft. Ticket No. J1994

Date 12-09-06 Sec. 14 Twp. 22S Range 14W County Stafford State Kansas

Test Approved By Phil Askey Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,619 ft. to 3,640 ft. Total Depth 3,640 ft.

Packer Depth 3,614 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,619 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,622 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,637 ft. Recorder Number 11017 Cap. 4,000 psi

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

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 250 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.9 Water Loss 7.5 cc. Drill Pipe Length 3,349 ft. I.D. 3 1/2 in.

Chlorides 7,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.

Jars: Make Bowen Serial Number Not Run Anchor Length 21 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, 1/8 in., blow. No blow back during shut-in.

2nd Open: Weak, 1 1/2 in., blow throughout. No blow back during shut-in.

Recovered 100 ft. of gas in pipe

Recovered 80 ft. of heavy gas & mud cut oil = .393600 bbls. (Grind out: 25%-gas; 30%-mud; 45%-oil)

Recovered 80 ft. of TOTAL FLUID = .393600 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 4:20 ~~XXM.~~ P.M. Time Started Off Bottom 6:30 ~~XXM.~~ P.M. Maximum Temperature 101°

Initial Hydrostatic Pressure (A) 1696 P.S.I.

Initial Flow Period Minutes 10 (B) 34 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period Minutes 30 (D) 844 P.S.I.

Final Flow Period Minutes 45 (E) 59 P.S.I. to (F) 68 P.S.I.

Final Closed In Period Minutes 90 (G) 841 P.S.I.

Final Hydrostatic Pressure (H) 1686 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO INC

Contact: RICK SAENGER

Phone: Fax: e-mail:

Site Information:

Contact: PHIL ASKEY

Phone: Fax: e-mail:

Well Information:

Name: GARVIN-MARMIE #1-14

Operator: MULL DRILLING CO INC

Location-Downhole: DST 4 3619 TO 3640

Location-Surface: S14/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: PHIL ASKEY

Test Type: CONVENTIONAL

Job Number: D391

Test Unit: 2

Start Date: 2006/12/09

Start Time: 14:30:00

End Date: 2006/12/09

End Time: 21:30:00

Report Date: 2006/12/09

Prepared By: JOHN RIEDL

Remarks:

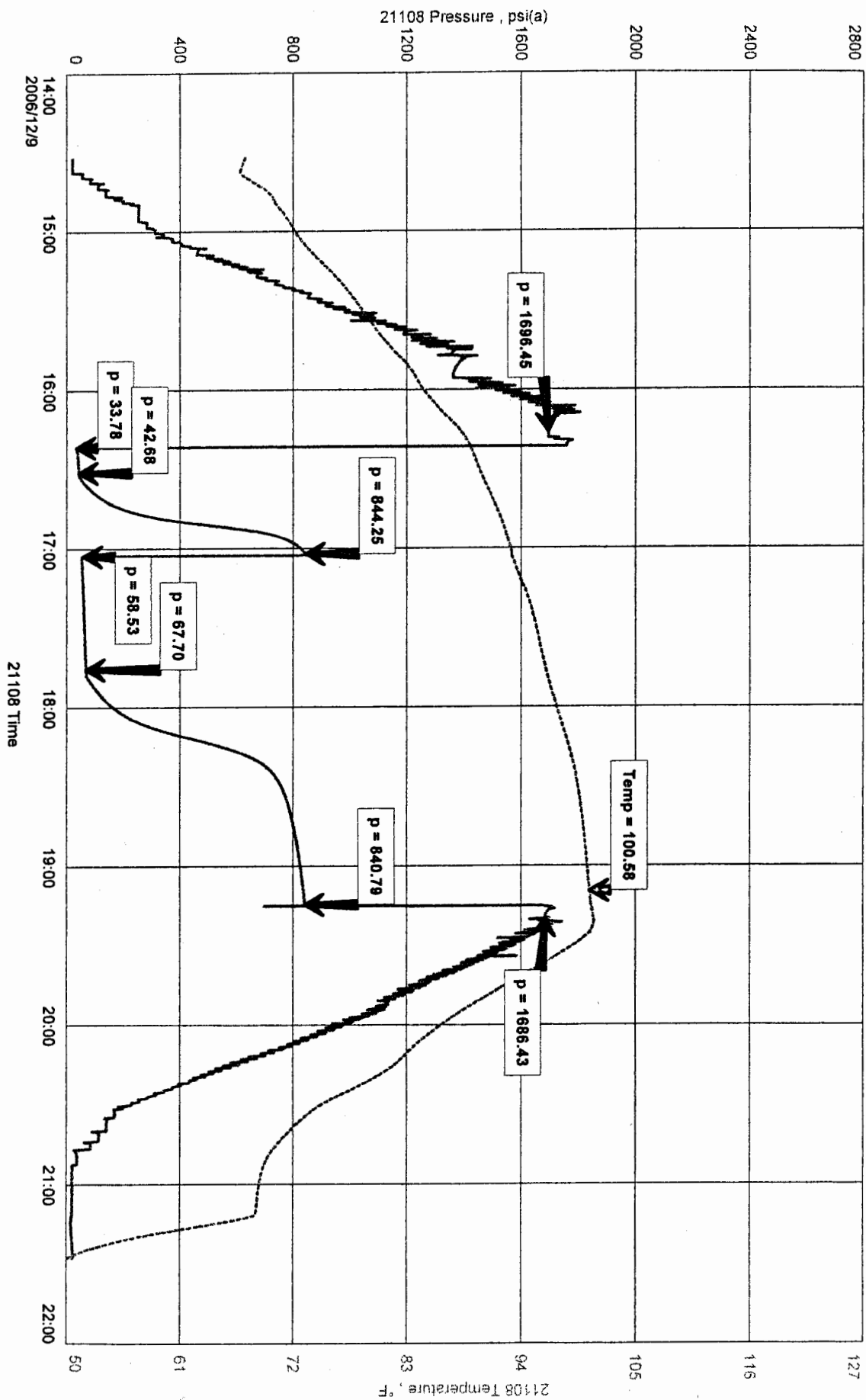
Qualified By: PHIL ASKEY

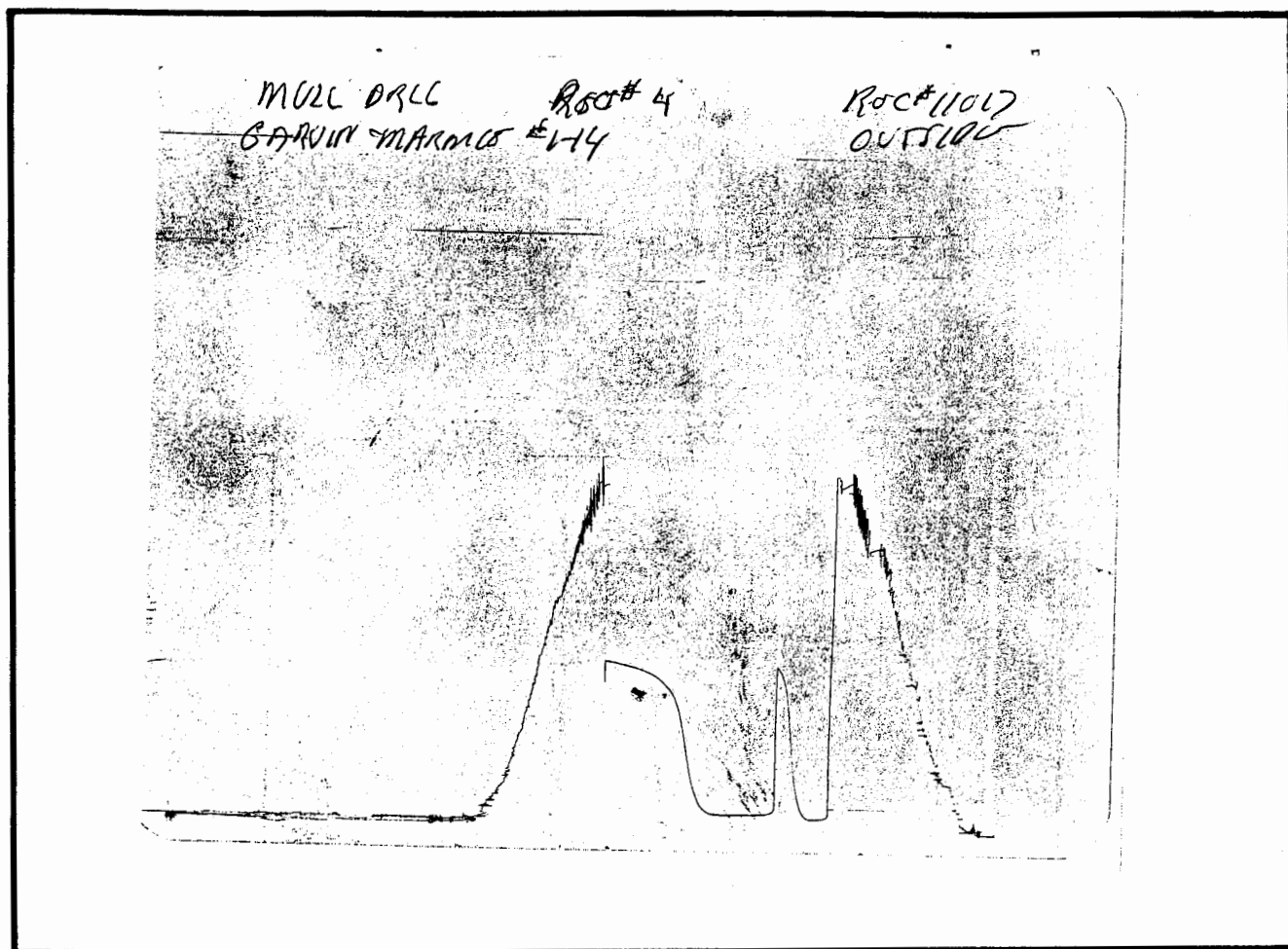
RECOVERY: 100' GAS IN PIPE
80' HVY GMO (25% GAS 30% MUD 45% OIL)
TOTAL FLUID RECOVERY 80' IN DRILL COLLARS

MULL DRILLING CO INC
DST 4 3619 TO 3640
Start Test Date: 2006/12/09
Final Test Date: 2006/12/09

GARVIN-MARMIE #1-14

GARVIN-MARMIE #1-14
Formation: LKC "K"
Job Number: D391





This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1696	1696
(B) First Initial Flow Pressure.....	34	34
(C) First Final Flow Pressure	43	43
(D) Initial Closed-in Pressure	844	844
(E) Second Initial Flow Pressure	59	59
(F) Second Final Flow Pressure.....	68	68
(G) Final Closed-in Pressure.....	841	841
(H) Final Hydrostatic Mud	1686	1686