

15-009-24839

9-16s-13w

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 21083.D75

Page 1 of 2 Pages

Company Hupfer Operating, Inc. Lease & Well No. Morgenstern No. 2
Elevation 1737 GL Formation Lansing/Kansas City Effective Pay -- Ft. Ticket No. J1662
Date 5-14-05 Sec. 9 Twp. 16S Range 13W County Barton State Kansas
Test Approved By Jim Musgrove Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,270 ft. to 3,350 ft. Total Depth 3,350 ft.

Packer Depth 3,265 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

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

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,273 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,347 ft. Recorder Number 11017 Cap. 3,900 psi

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

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 240 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 3,010 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 80 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 14 mins. Weak, 1 in., blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 28 mins. Fair, 4 in., blow back during shut-in.

Recovered 900 ft. of gas in pipe

Recovered 280 ft. of muddy gassy oil = 1.748800 bbls. (Grind out: 25%-mud; 30%-gas; 45%-oil) Gravity: 34 @ 60°

Recovered 280 ft. of TOTAL FLUID = 1.748800 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 8:50 ~~XXX~~ P.M. Time Started Off Bottom 11:50 ~~XXX~~ P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1600 P.S.I.

Initial Flow Period Minutes 30 (B) 27 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period Minutes 45 (D) 646 P.S.I.

Final Flow Period Minutes 45 (E) 106 P.S.I. to (F) 129 P.S.I.

Final Closed In Period Minutes 60 (G) 640 P.S.I.

Final Hydrostatic Pressure (H) 1562 P.S.I.

GENERAL INFORMATION

Client Information:

Company: HUPFER OPERATING INC

Contact: DENNIS HUPFER

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: MORGENSTERN #1

Operator: HUPFER OPERATING INC

Location-Downhole: DST #1 3270-3350

Location-Surface: S9/16S/13W BARTON COUNTY

Test Information:

Company: DIAMOND TESTING INC

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: CONVENTIONAL

Job Number: D75

Test Unit: 2

Start Date: 2005/12/05

Start Time: 19:00:00

End Date: 2005/12/05

End Time: 01:45:00

Report Date: 2005/12/05

Prepared By: JOHN RIEDL

Remarks:

Qualified By: JIM MUSGROVE

RECOVERY: 900' GAS IN PIPE

280' MGO (25%MUD 30%GAS 45%OIL) 40' IN DP 240' IN DC

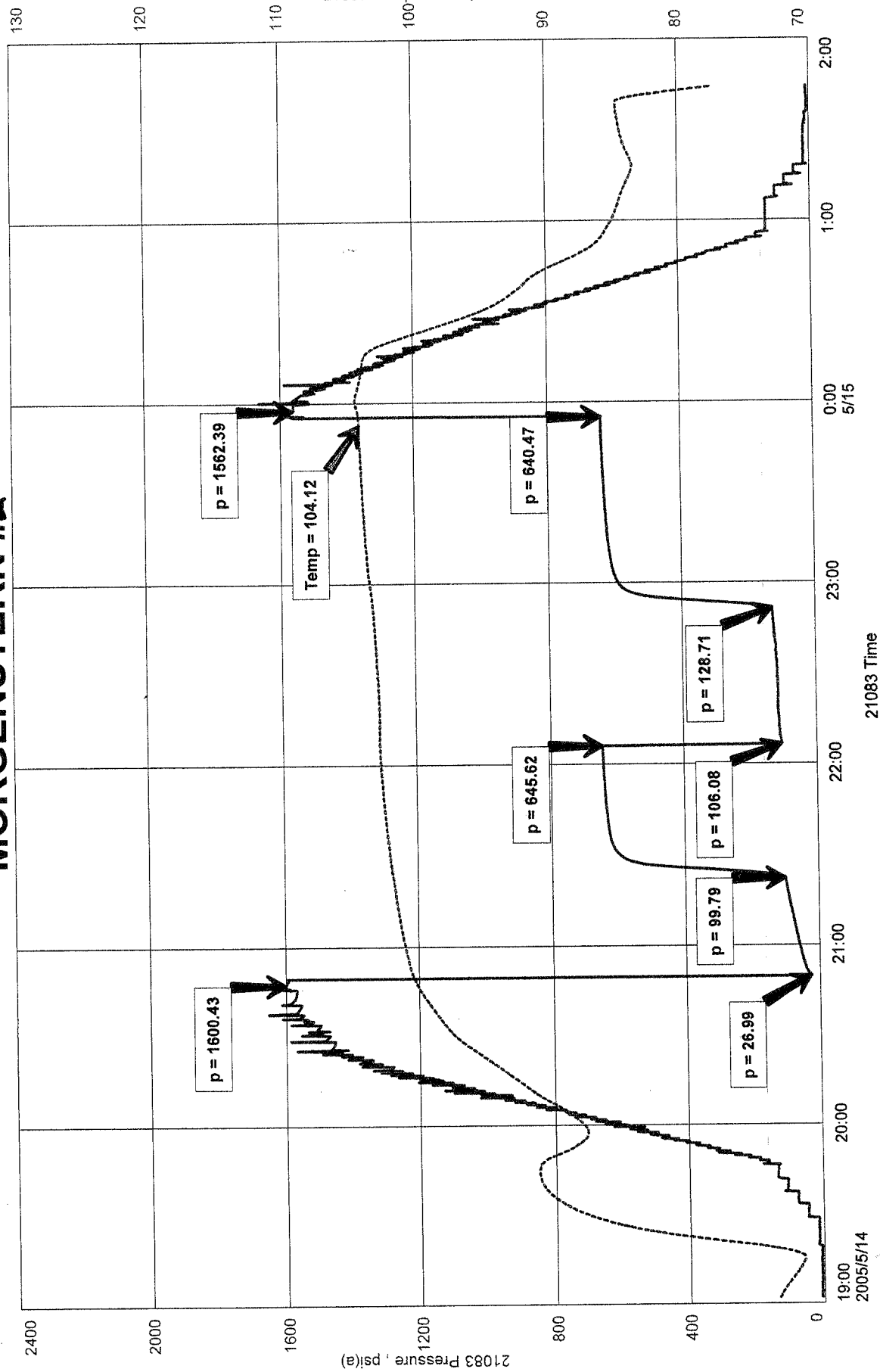


MORGENSTERN #1
Formation: LKC
Job Number: D75

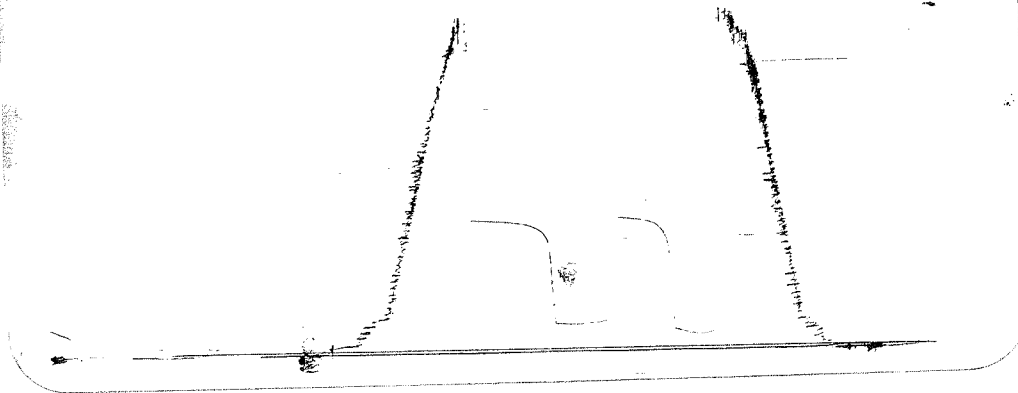
21083 Temperature, °F

MORGENSTERN #2

HUPFER OPERATING INC
DST #1 3270-3350
Start Test Date: 2005/12/05
Final Test Date: 2005/12/05

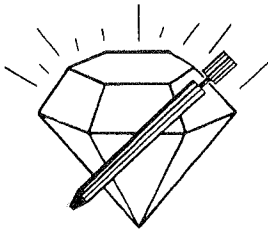


MOK 601501N HOPPER OP 126 - 100# 11512
 050# OUT 100
 LOG 3847



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	
	Field Reading			
(A) Initial Hydrostatic Mud	1600	1600	PSI	
(B) First Initial Flow Pressure.....	27	27	PSI	
(C) First Final Flow Pressure	100	100	PSI	
(D) Initial Closed-in Pressure	646	646	PSI	
(E) Second Initial Flow Pressure	106	106	PSI	
(F) Second Final Flow Pressure.....	129	129	PSI	
(G) Final Closed-in Pressure.....	640	640	PSI	
(H) Final Hydrostatic Mud	1562	1562	PSI	



DIAMOND TESTING

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(620) 653-7550 • (800) 542-7313
STC 21083.D76

Page 1 of 2 Pages

Company Hupfer Operating, Inc. Lease & Well No. Morgenstern No. 2

Elevation 1737 GL Formation Arbuckle Effective Pay -- Ft. Ticket No. J1663

Date 5-15-05 Sec. 9 Twp. 16S Range 13W County Barton State Kansas

Test Approved By Jim Musgrove Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,364 ft. to 3,393 ft. Total Depth 3,393 ft.

Packer Depth 3,359 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,364 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,367 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,390 ft. Recorder Number 11017 Cap. 3,900 psi

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

Drilling Contractor Sterling Drilling Co. - Rig 1 Drill Collar Length 240 ft. I.D. 2 1/4 in.

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

Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 3,104 ft. I.D. 3 1/2 in.

Chlorides 6,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 29 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 1/2 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 1 1/2 mins. Weak blow back during shut-in.

Recovered 200 ft. of gas in pipe

Recovered 1,260 ft. of slightly mud cut gassy oil = 17.892000 bbls. (Grind out: 5%-mud; 20%-gas; 75%-oil) Gravity: 38 @ 60°

Recovered 240 ft. of water = 1.180800 bbls. (Chlorides: 20,000 Ppm)

Recovered 1,500 ft. of TOTAL FLUID = 19.072800 bbls.

Recovered -- ft. of --

Remarks Tool Sample Grind Out: clean oil recovered in tool

Time Set Packer(s) 3:30 XXX P.M. Time Started Off Bottom 5:05 XXX P.M. Maximum Temperature 109°

Initial Hydrostatic Pressure (A) 1645 P.S.I.

Initial Flow Period Minutes 15 (B) 214 P.S.I. to (C) 407 P.S.I.

Initial Closed In Period Minutes 30 (D) 1098 P.S.I.

Final Flow Period Minutes 20 (E) 451 P.S.I. to (F) 620 P.S.I.

Final Closed In Period Minutes 30 (G) 1072 P.S.I.

Final Hydrostatic Pressure (H) 1600 P.S.I.

GENERAL INFORMATION

Client Information:

Company: HUPFER OPERATING INC

Contact: DENNIS HUPFER

Phone: Fax: e-mail:

Site Information:

Contact: JIM M USGROVE3

Phone: Fax: e-mail:

Well Information:

Name: MORGENSTERN #2

Operator: HUPFER OPERATING INC

Location-Downhole: DST #2 3364-3393

Location-Surface: S9/16S/13W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: CONVENTIONAL

Job Number: D76

Test Unit: 2

Start Date: 2005/18/05

Start Time: 13:45:00

End Date: 2005/19/05

End Time: 20:53:00

Report Date: 2005/18/05

Prepared By: JOHN RIEDL

Remarks:

Qualified By: JIM MUSGROVE

REC: 200' GAS IN PIPE

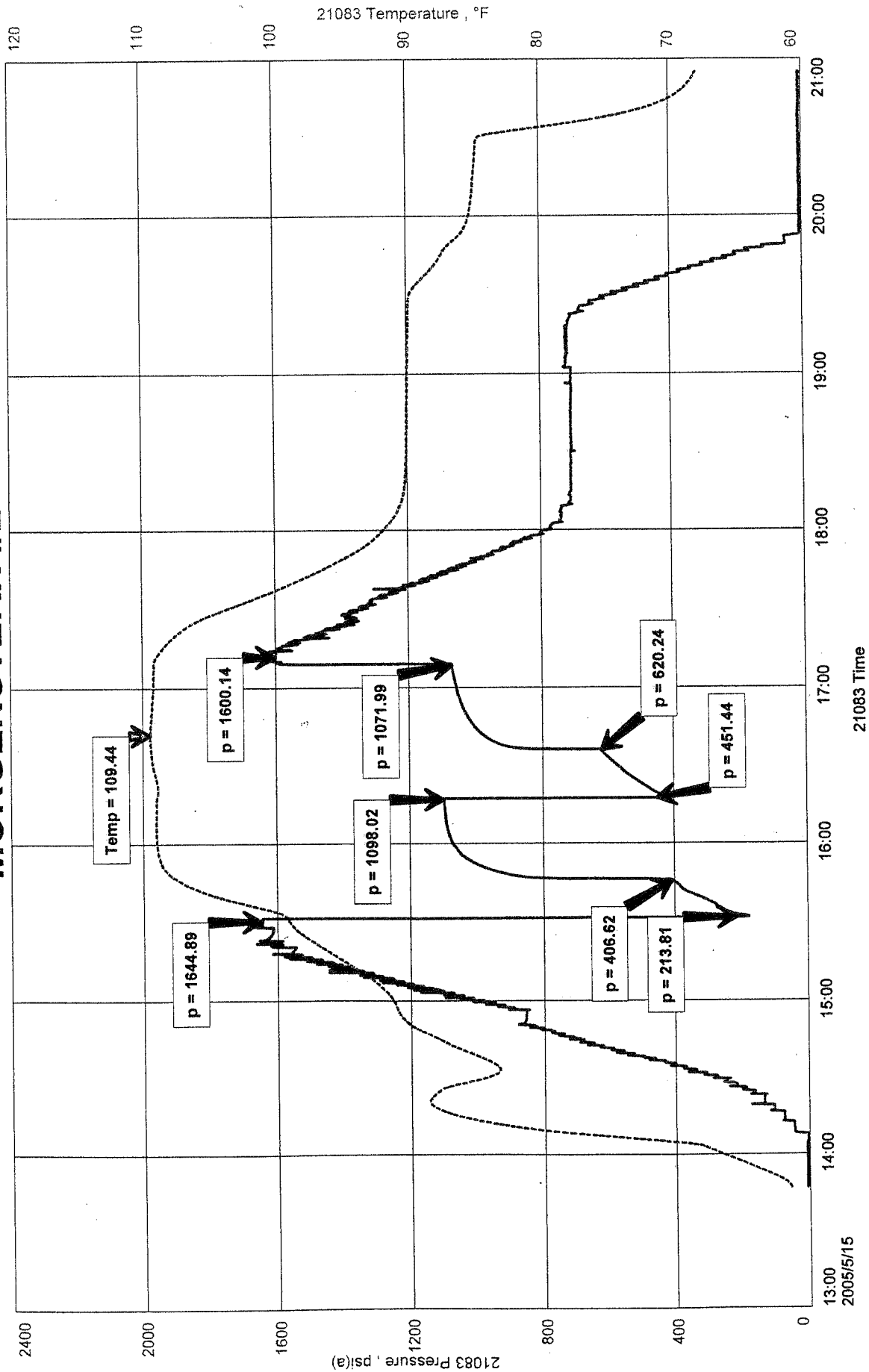
1260' SLMCGO

240' WATER TOTAL FLUID REC 1500' 1260' IN DP 240' IN DC

HUPFR OPERATING INC
DST #2 3364-3393
Start Test Date: 2005/15/05
Final Test Date: 2005/15/05

MORGENSTERN #2
Formation: ARBUCKLE
Job Number: D76

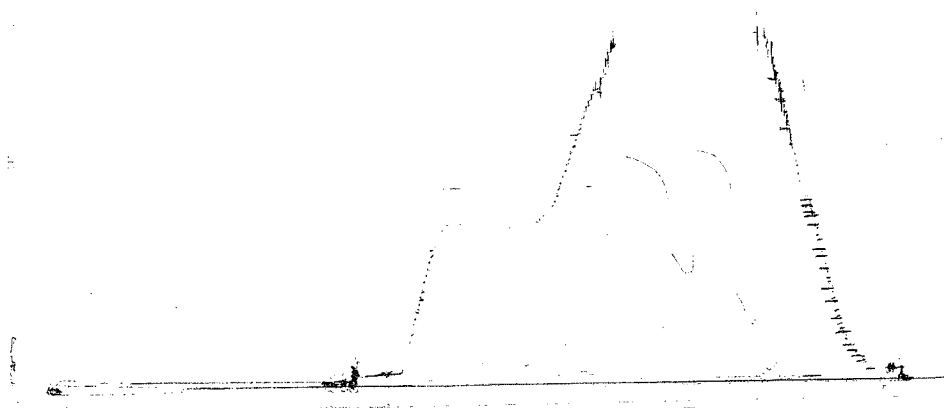
MORGENSTERN #2



RTG #11017
SURSIAR
LSC

RTG #2

DOFFER OR
MSR60NSM
H2



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec.
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1645	1645	PSI
(B) First Initial Flow Pressure	214	214	PSI
(C) First Final Flow Pressure	407	407	PSI
(D) Initial Closed-in Pressure	1098	1098	PSI
(E) Second Initial Flow Pressure	451	451	PSI
(F) Second Final Flow Pressure	620	620	PSI
(G) Final Closed-in Pressure	1072	1072	PSI
(H) Final Hydrostatic Mud	1600	1600	PSI