

15-101-22184

33-175-28w

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D 064

Page 1 of 2 Pages

Company Mull Drilling Company, Inc. Lease & Well No. R-R Unit No. 1-33

Elevation 2763 KB Formation Lansing "E" - "F" Effective Pay -- Ft. Ticket No. P064

Date 8-26-09 Sec. 33 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Paul Schilowsky

Formation Test No. 1 Interval Tested from 4,040 ft. to 4,080 ft. Total Depth 4,080 ft.

Packer Depth 4,035 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,040 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,023 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,077 ft. Recorder Number 13387 Cap. 3,900 psi

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

Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

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

Weight 9.0 Water Loss 9.2 cc. Drill Pipe Length 4,008 ft. I.D. 3 1/2 in.

Chlorides 1,400 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 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: Good blow, building to 7 ins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 17 mins. 1/2 in., blow back; died in 25 mins.

Recovered 310 ft. of gas in pipe

Recovered 35 ft. of gassy mud cut oil = .498050 bbls. (Grind out: 2%-gas; 45%-mud; 53%-oil)

Recovered 62 ft. of gassy mud cut oil = .882260 bbls. (Grind out: 2%-gas; 20%-mud; 78%-oil)

Recovered 62 ft. of slightly gassy water cut muddy oil = .882260 bbls. (Grind out: 2%-gas; 2%-water; 12%-mud; 84%-oil)

Recovered 62 ft. of muddy gassy water cut oil = .882260 bbls. (Grind out: 1%-mud; 2%-gas; 3%-water; 94%-oil)

Recovered 221 ft. of TOTAL FLUID = 3.144830 bbls.

Remarks Tool Sample Grind Out: 1%-mud; 2%-gas; 3%-water; 94%-oil

Time Set Packer(s) 11:16 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:56 ~~P.M.~~ ^{A.M.} Maximum Temperature 120°

Initial Hydrostatic Pressure (A) 2013 P.S.I.

Initial Flow Period Minutes 10 (B) 33 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period Minutes 30 (D) 1064 P.S.I.

Final Flow Period Minutes 60 (E) 49 P.S.I. to (F) 112 P.S.I.

Final Closed In Period Minutes 120 (G) 1069 P.S.I.

Final Hydrostatic Pressure (H) 1986 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRLG. CO.

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: RR UNIT 1-33

Operator: MULL DRLG. CO.

Location-Downhole: DST #1 4040-4080 LANSING E-F

Location-Surface: SEC 33 / 17S / 28W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KEVIN KESSLER

Test Type: Drill Stem Test

Job Number: P064

Test Unit: NO. 1

Start Date: 2009/08/26

Start Time: 09:21:00

End Date: 2009/08/26

End Time: 18:03:00

Report Date: 2009/08/26

Prepared By: PAUL

Remarks:

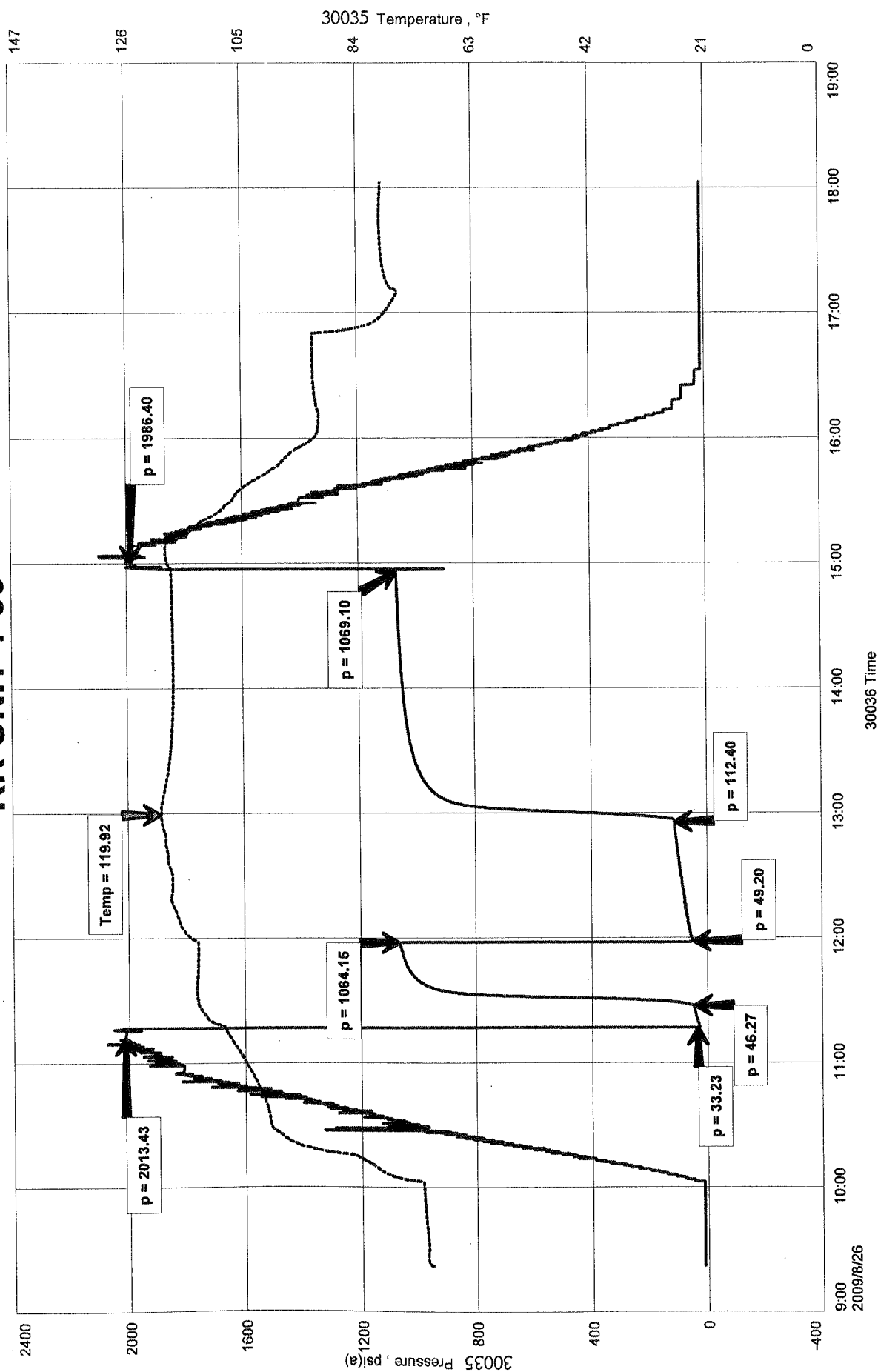
Qualified By: KEVIN

RECOVERED: 35 FT. 2%G / 45%M / 53%O
62 FT. 2%G / 20%M / 78%O
62 FT. 2%G / 2%W / 12%M / 84%O
62 FT. 2%G / 3%W / 1%M / 94%O
310 FT. GIP
225 FT. OF FLUID TOTAL
TOOL SMPL 2%G / 3%W 1%M / 94%O

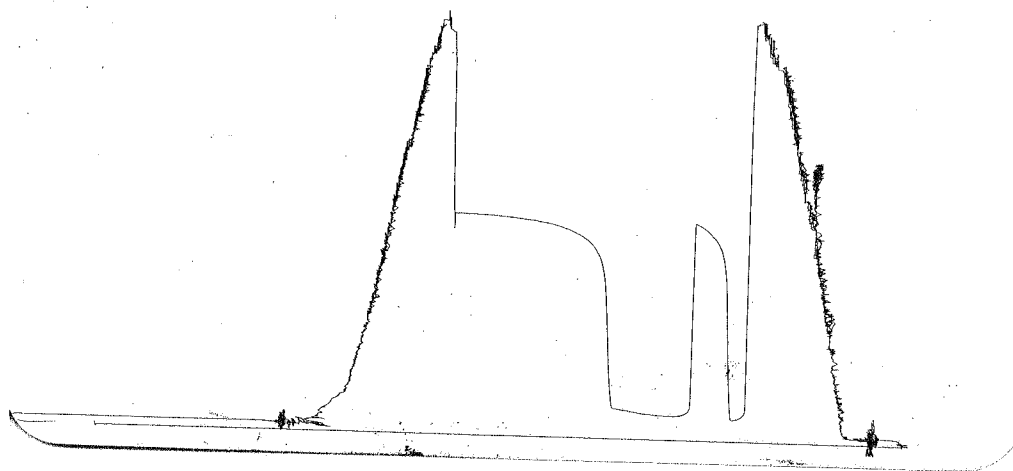
RR UNIT 1-33
 Formation: DST #1 LANSING E-F
 Job Number: P064

MULL DRLG. CO.
 DST #1 4040-4080 LANSING E-F
 Start Test Date: 2009/08/26
 Final Test Date: 2009/08/26

RR UNIT 1-33



(DST #) 4040-9080 outside 4077



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2013	2013
(B) First Initial Flow Pressure.....	33	33
(C) First Final Flow Pressure	46	46
(D) Initial Closed-in Pressure	1064	1064
(E) Second Initial Flow Pressure.....	49	49
(F) Second Final Flow Pressure.....	112	112
(G) Final Closed-in Pressure.....	1069	1069
(H) Final Hydrostatic Mud	1986	1986



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STC 30035.D065

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Company Mull Drilling Company, Inc. Lease & Well No. R-R Unit No. 1-33
Elevation 2763 KB Formation Lansing "H" - "I" Effective Pay -- Ft. Ticket No. P065
Date 8-27-09 Sec. 33 Twp. 17S Range 28W County Lane State Kansas
Test Approved By Kevin L. Kessler Diamond Representative Paul Schilowsky
Formation Test No. 2 Interval Tested from 4,130 ft. to 4,200 ft. Total Depth 4,200 ft.
Packer Depth 4,125 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,130 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 4,113 ft. Recorder Number 30035 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,197 ft. Recorder Number 13387 Cap. 3,900 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi
Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 57 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,098 ft. I.D. 3 1/2 in.
Chlorides 1,400 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 39' perf. w/31' drill pipe 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: Good blow building to 7 ins. No blow back during shut-in.
2nd Open: Good blow. Off bottom of bucket in 24 mins. No blow back during shut-in.
Recovered 236 ft. of gas in pipe
Recovered 72 ft. of clean oil = 1.024560 bbls. (Gravity: 37 @ 60°)
Recovered 103 ft. of watery mud cut oil = 1.465690 bbls. (Grind out: 30%-water; 35%-mud; 35%-oil)
Recovered 103 ft. of slightly oil cut watery mud = 1.465690 bbls. (Grind out: 5%-oil; 45%-water; 50%-mud)
Recovered 103 ft. of slightly oil specked muddy water = 1.465690 bbls. (Grind out: 2%-oil; 20%-mud; 78%-water)
Recovered 381 ft. of TOTAL FLUID = 5.421630 bbls. Chlorides: 52,000 Ppm
Remarks Tool Sample Grind Out: 1%-oil; 10%-mud; 89%-water

Time Set Packer(s) 9:39 A.M. Time Started Off Bottom 1:19 P.M. Maximum Temperature 126°
Initial Hydrostatic Pressure (A) 2039 P.S.I.
Initial Flow Period Minutes 10 (B) 26 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period Minutes 30 (D) 1133 P.S.I.
Final Flow Period Minutes 60 (E) 57 P.S.I. to (F) 176 P.S.I.
Final Closed In Period Minutes 120 (G) 1132 P.S.I.
Final Hydrostatic Pressure (H) 2022 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRLG. CO.

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: RR UNIT 1-33

Operator: MULL DRLG. CO.

Location-Downhole: DST #2 LANSING H-I 4130-4200

Location-Surface: SEC 33 / 17 W/ 28 S

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KEVIN

Test Type: Drill Stem Test

Job Number: P065

Test Unit: MO. 1

Start Date: 2009/08/27

Start Time: 07:46:00

End Date: 2009/08/27

End Time: 15:42:00

Report Date: 2009/08/27

Prepared By: PAUL

Remarks:

Qualified By: KEVIN

RECOVERED: 236 GIP

72' CO 37 GRAVITY @60 DEG.

103' WMCO 30%W / 35%M / 35%O

103' SOCWM 5%O / 45%W / 50%M

103' SOSMW 2%O / 20%M / 78%W 52,000 CHL

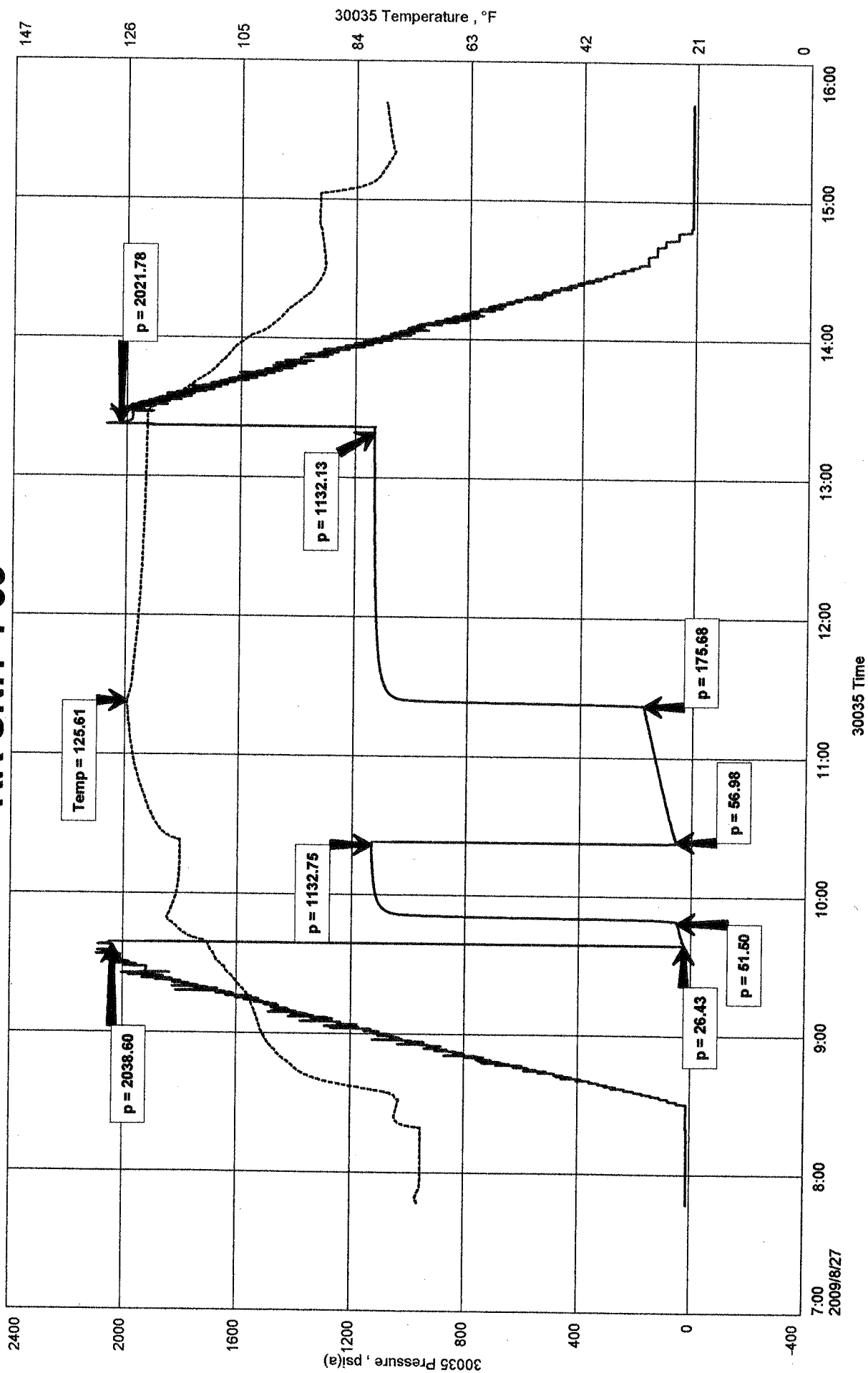
382' OF FLUID TOTAL

TOOL SMPL: 1%O / 10%M / 89%W

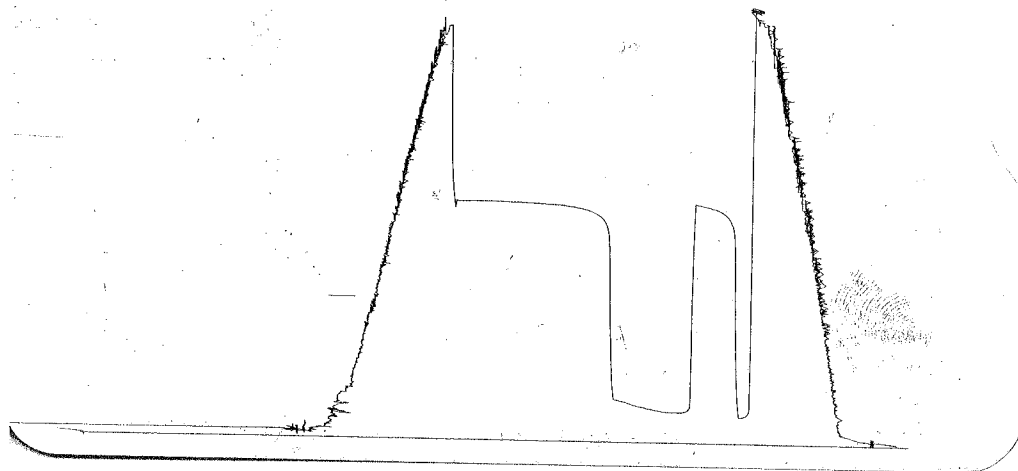
MULL DRLG. CO.
DST #2 LANSING H-I 4130-4200
Start Test Date: 2009/08/27
Final Test Date: 2009/08/27

RR UNIT 1-33
Formation: DST #2 LANSING H-I 4130-4200
Job Number: P065

RR UNIT 1-33

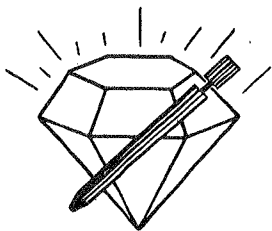


OST #2 4130-4200 km. H₂I outside 4197



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2039	2039
(B) First Initial Flow Pressure	26	26
(C) First Final Flow Pressure	52	52
(D) Initial Closed-in Pressure	1133	1133
(E) Second Initial Flow Pressure	57	57
(F) Second Final Flow Pressure	176	176
(G) Final Closed-in Pressure	1132	1132
(H) Final Hydrostatic Mud	2022	2022



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STC 30035.D066

Company Mull Drilling Company, Inc. Lease & Well No. R-R Unit No. 1-33
Elevation 2763 KB Formation Lansing "J" Effective Pay -- Ft. Ticket No. P066
Date 8-27-09 Sec. 33 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Paul Schilowsky

Formation Test No. 3 Interval Tested from 4,205 ft. to 4,225 ft. Total Depth 4,225 ft.

Packer Depth 4,200 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,205 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,188 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,222 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 64 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 7.2 cc. Drill Pipe Length 4,173 ft. I.D. 3 1/2 in.

Chlorides 1,200 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 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 blow building to 3 ins. No blow back during shut-in.

2nd Open: Fair blow building to 7 ins. No blow back during shut-in.

Recovered 179 ft. of very slightly oil cut muddy water = 2.547170 bbls. (Grind out: 2%-oil; 10%-mud; 88%-water)

Recovered ft. of Chlorides: 58,000 Ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 1%-oil; 8%-mud; 91%-water

Time Set Packer(s) 1:16 A.M. Time Started Off Bottom 4:56 A.M. Maximum Temperature 124°

Initial Hydrostatic Pressure (A) 2047 P.S.I.

Initial Flow Period Minutes 10 (B) 23 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period Minutes 30 (D) 945 P.S.I.

Final Flow Period Minutes 60 (E) 39 P.S.I. to (F) 102 P.S.I.

Final Closed In Period Minutes 120 (G) 943 P.S.I.

Final Hydrostatic Pressure (H) 2048 P.S.I.

GENERAL INFORMATION

Client Information:

Company: DIAMOND TESTING

Contact: ERNIE MORISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: RR UNIT 1-33

Operator: MULL DRLG. CO.

Location-Downhole: DST #3 LANSING J 4205-4225

Location-Surface: SEC 33 / 17S / 28W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KEVIN KESSLER

Test Type: Drill Stem Test

Job Number: P066

Test Unit: NO. 1

Start Date: 2009/08/27

Start Time: 22:50:00

End Date: 2009/08/28

End Time: 07:24:00

Report Date: 2009/08/28

Prepared By: PAUL

Remarks:

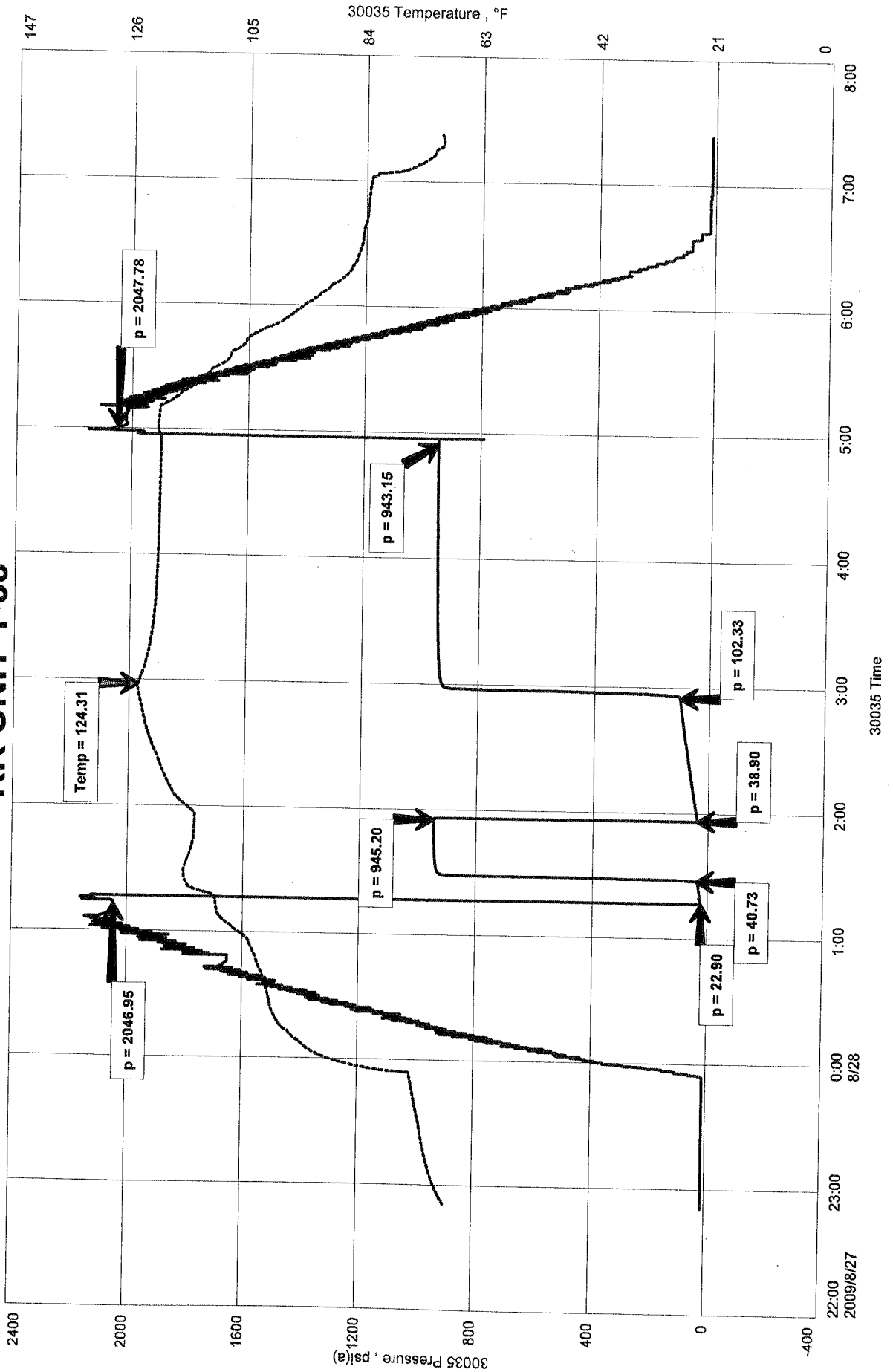
Qualified By: KEVIN

RECOVERED: 179' OF VSOCMW 2%O / 10%M / 88%W 58,000 CHL.
179' OF FLUID TOTAL
TOOL SMPL: 1%O / 8%M / 91%W

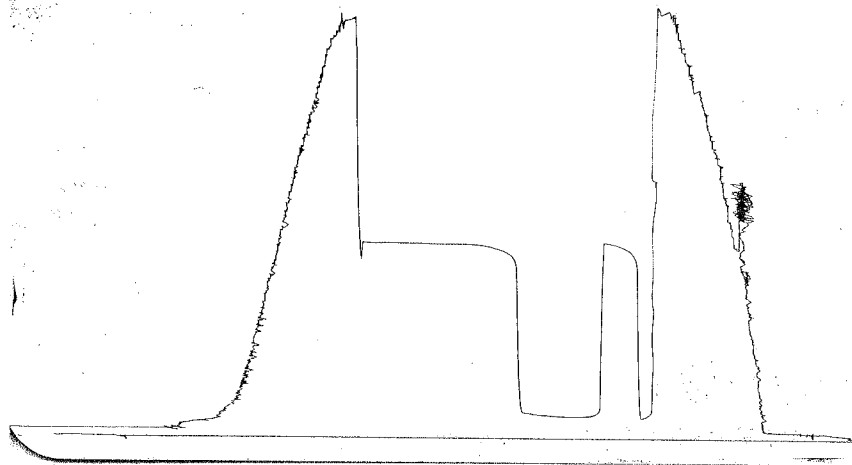
DIAMOND TESTING
 DST #3 LANSING J 4205-4225
 Start Test Date: 2009/08/27
 Final Test Date: 2009/08/28

RR UNIT 1-33
 Formation: DST #3 LANSING J 4205-4225
 Job Number: P066

RR UNIT 1-33

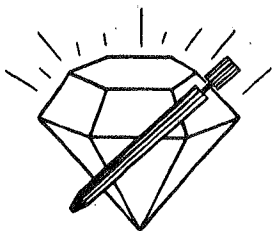


DSY #3 LWB 5 4205-4225 outside 9277



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2047	2047
(B) First Initial Flow Pressure	23	23
(C) First Final Flow Pressure	41	41
(D) Initial Closed-in Pressure	945	945
(E) Second Initial Flow Pressure	39	39
(F) Second Final Flow Pressure	102	102
(G) Final Closed-in Pressure	943	943
(H) Final Hydrostatic Mud	2048	2048



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Company Mull Drilling Company, Inc. Lease & Well No. R-R Unit No. 1-33
Elevation 2763 KB Formation Lansing "K" Effective Pay -- Ft. Ticket No. P067
Date 8-28-09 Sec. 33 Twp. 17S Range 28W County Lane State Kansas
Test Approved By Kevin L. Kessler Diamond Representative Paul Schilowsky

Formation Test No. 4 Interval Tested from 4,230 ft. to 4,275 ft. Total Depth 4,275 ft.

Packer Depth 4,225 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,230 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 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,272 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 63 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 7.2 cc. Drill Pipe Length 4,198 ft. I.D. 3 1/2 in.

Chlorides 2,600 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 14' perf. w/31' drill pipe 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: Good blow building to 7 ins. No blow back during shut-in.

2nd Open: Good blow. Off bottom of bucket in 30 mins. No blow back during shut-in.

Recovered 407 ft. of muddy water = 5.791610 bbls. (Grind out: 20%-mud; 80%-water)

Recovered ft. of Chlorides: 62,000 Ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 20%-mud; 80%-water

Time Set Packer(s) 6:22 AM P.M. Time Started Off Bottom 10:02 AM P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure (A) 2073 P.S.I.

Initial Flow Period Minutes 10 (B) 24 P.S.I. to (C) 60 P.S.I.

Initial Closed In Period Minutes 30 (D) 1017 P.S.I.

Final Flow Period Minutes 60 (E) 65 P.S.I. to (F) 212 P.S.I.

Final Closed In Period Minutes 120 (G) 1014 P.S.I.

Final Hydrostatic Pressure (H) 2041 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRLG. CO.

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: RR UNIT 1-33

Operator: MULL DRLG. CO.

Location-Downhole: DST#4 LANSING K 4230-4275

Location-Surface: SEC 33 / 17 S / 28 W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KEVIN KESSLER

Test Type: Drill Stem Test

Job Number: P067

Test Unit: NO. 1

Start Date: 2009/08/28

Start Time: 16:13:00

End Date: 2009/08/29

End Time: 00:52:00

Report Date: 2009/08/29

Prepared By: PAUL

Remarks:

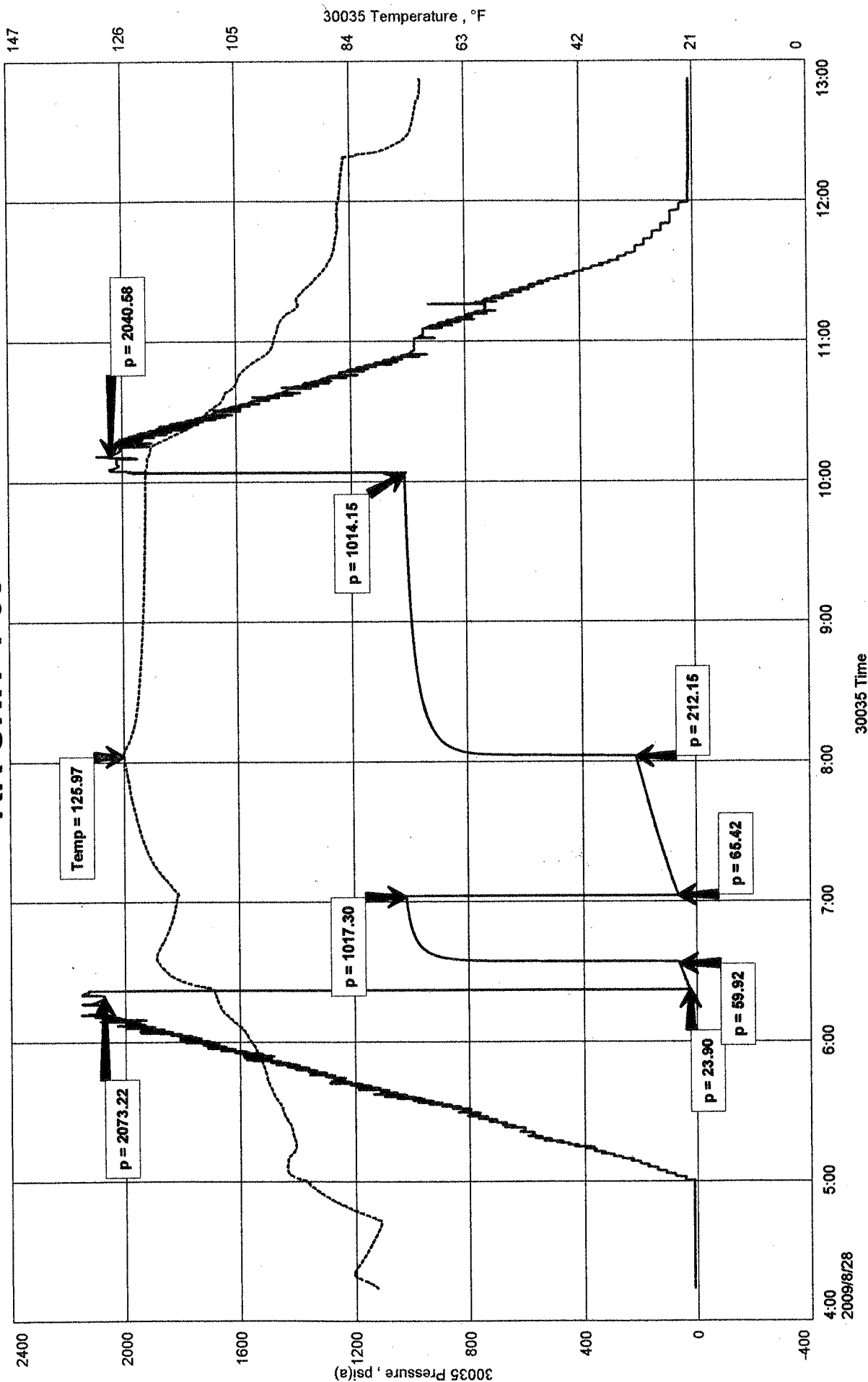
Qualified By: KEVIN

RECOVERED: 407` OF MW 20%M / 80%W
TOOL SMPL: 20%M / 80%W
407` OF FLUID TOTAL

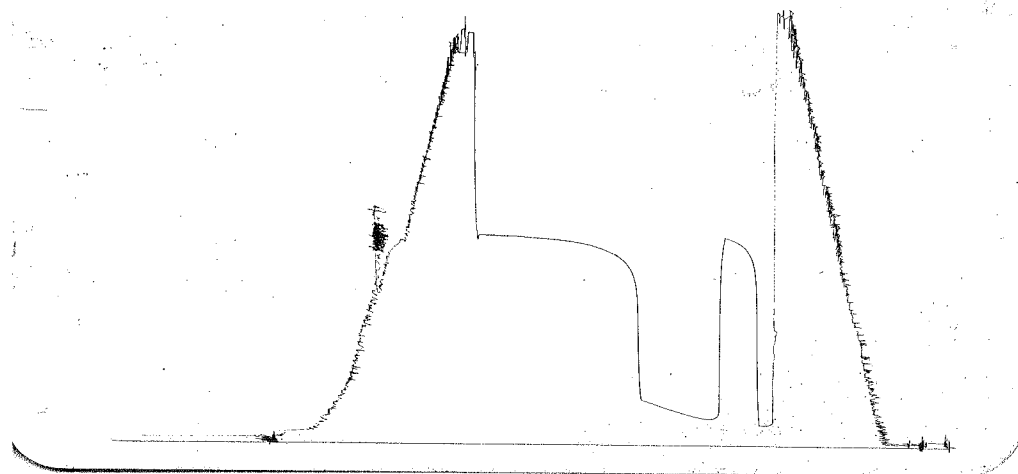
RR UNIT 1-33
Formation: DST #4 LANSING K 4230-4275
Job Number: P067

MULL DRLG. CO.
DST#4 LANSING K 4230-4275
Start Test Date: 2009/08/28
Final Test Date: 2009/08/29

RR UNIT 1-33

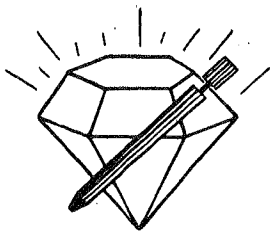


PSA 4230-4275 outside 4272



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2073	2073
(B) First Initial Flow Pressure.....	24	24
(C) First Final Flow Pressure	60	60
(D) Initial Closed-in Pressure	1017	1017
(E) Second Initial Flow Pressure.....	65	65
(F) Second Final Flow Pressure.....	212	212
(G) Final Closed-in Pressure.....	1014	1014
(H) Final Hydrostatic Mud	2041	2041



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Company Mull Drilling Company, Inc. Lease & Well No. R-R Unit No. 1-33

Elevation 2763 KB Formation Marmaton Effective Pay -- Ft. Ticket No. P068

Date 8-29-09 Sec. 33 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Paul Schilowsky

Formation Test No. 5 Interval Tested from 4,310 ft. to 4,410 ft. Total Depth 4,410 ft.

Packer Depth 4,305 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,310 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,293 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,407 ft. Recorder Number 13387 Cap. 3,900 psi

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

Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

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

Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 4,278 ft. I.D. 3 1/2 in.

Chlorides 2,700 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 36' perf. w/64' drill pipe 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 2 mins. 6 1/2 in. blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 1 1/2 mins. Blow back off bottom of bucket in 1 hr.

Recovered 1,136 ft. of gas in pipe

Recovered 598 ft. of gas cut oil = 8.509540 bbls. (Grind out: 2%-gas; 98%-oil) Gravity: 36 @ 60°

Recovered 124 ft. of very slightly gas cut muddy oil = 1.764520 bbls. (Grind out: 2%-gas; 10%-mud; 88%-oil)

Recovered 722 ft. of TOTAL FLUID = 10.274060 bbls.

Recovered -- ft. of --

Remarks Tool Sample Grind Out: 1%-gas; 10%-mud; 89%-oil

Time Set Packer(s) 10:00 AXM. P.M. Time Started Off Bottom 1:40 A.M. P.M. Maximum Temperature 127°

Initial Hydrostatic Pressure (A) 2114 P.S.I.

Initial Flow Period Minutes 10 (B) 68 P.S.I. to (C) 126 P.S.I.

Initial Closed In Period Minutes 30 (D) 1006 P.S.I.

Final Flow Period Minutes 60 (E) 147 P.S.I. to (F) 294 P.S.I.

Final Closed In Period Minutes 120 (G) 1034 P.S.I.

Final Hydrostatic Pressure (H) 2032 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRLG.

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: RR UNIT 1-33

Operator: MULL DRLG. CO.

Location-Downhole: DST#5 MARMATON 4310-4410

Location-Surface: SEC 33 / 17S / 28W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KEVIN KESSLER

Test Type: Drill Stem Test

Job Number: P068

Test Unit: NO. 1

Start Date: 2009/08/29

Start Time: 07:44:00

End Date: 2999/08/30

End Time: 05:22:00

Report Date: 2009/08/30

Prepared By: PAUL

Qualified By: KEVIN

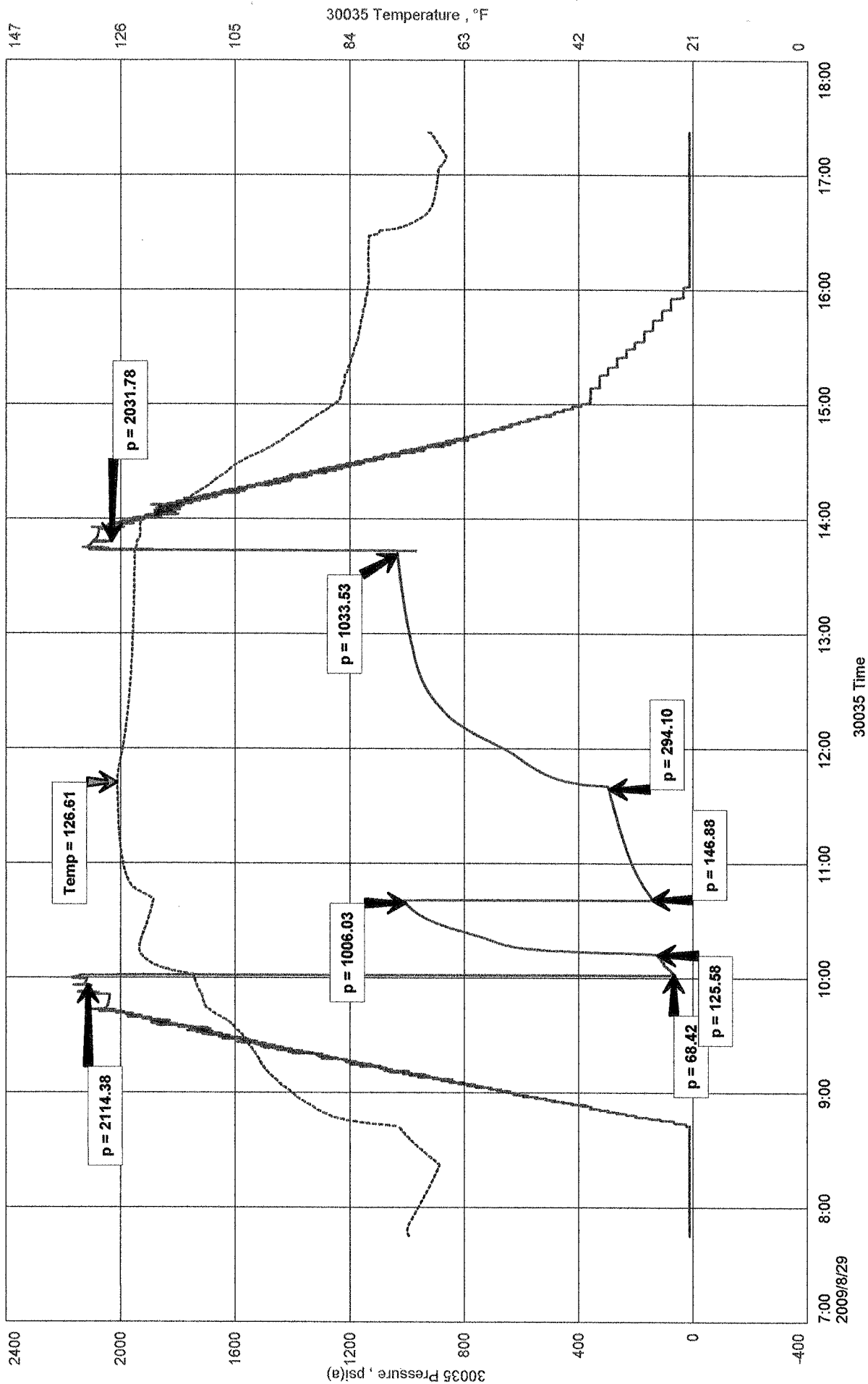
Remarks:

RECOVERED: 1136 GIP
598 GCO 2%G / 98%O
124'VSMCGO 2%G / 10%M / 88%O
RECOVERED: 722' OF FLUID TOTAL
TOOL SMPL: 1%G / 10%M / 89%O

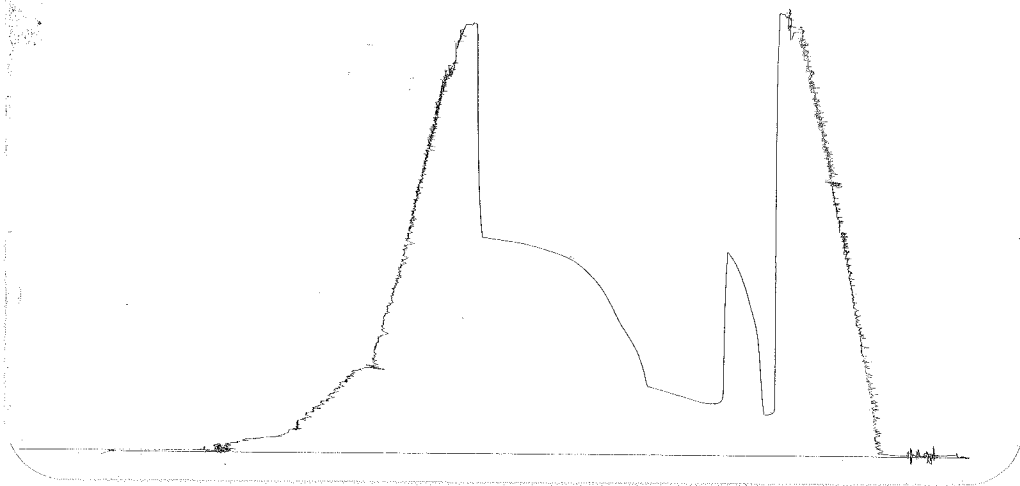
RR UNIT 1-33
 Formation: DST #5 MARMATON 4310-4410
 Job Number: P068

MULL DRLG.
 DST#5 MARMATON 4310-4410
 Start Test Date: 2009/08/29
 Final Test Date: 2009/08/30

RR UNIT 1-33

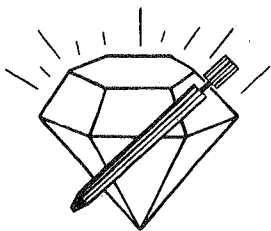


DST #5 - max. 4310-4410 outside 4400



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2114	2114
(B) First Initial Flow Pressure.....	68	68
(C) First Final Flow Pressure	126	126
(D) Initial Closed-in Pressure	1006	1006
(E) Second Initial Flow Pressure.....	147	147
(F) Second Final Flow Pressure.....	294	294
(G) Final Closed-in Pressure	1034	1034
(H) Final Hydrostatic Mud	2032	2032



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30035.D069

Page 1 of 2 Pages

Company Mull Drilling Company, Inc. Lease & Well No. R-R Unit No. 1-33

Elevation 2763 KB Formation Ft. Scott/Cherokee Effective Pay -- Ft. Ticket No. P069

Date 8-31-09 Sec. 33 Twp. 17S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Paul Schilowsky

Formation Test No. 6 Interval Tested from 4,480 ft. to 4,580 ft. Total Depth 4,580 ft.

Packer Depth 4,475 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,480 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,463 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,577 ft. Recorder Number 13387 Cap. 3,900 psi

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

Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

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

Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 4,448 ft. I.D. 3 1/2 in.

Chlorides 2,300 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 36' perf w/64' drill pipe 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: No blow. No blow back during shut-in.

2nd Open: Flushed tool. Weak surface blow. No blow back during shut-in.

Recovered 10 ft. of mud = .142300 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 4:38 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 6:48 ~~P.M.~~ ^{A.M.} Maximum Temperature 119°

Initial Hydrostatic Pressure (A) 2249 P.S.I.

Initial Flow Period Minutes 10 (B) 23 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period Minutes 30 (D) 284 P.S.I.

Final Flow Period Minutes 30 (E) 27 P.S.I. to (F) 27 P.S.I.

Final Closed In Period Minutes 60 (G) 226 P.S.I.

Final Hydrostatic Pressure (H) 2243 P.S.I.

GENERAL INFORMATION

Client Information:

Company: MULL DRLG. CO.

Contact: ERNIE MORRISON

Phone: Fax: e-mail:

Site Information:

Contact: KEVIN KESSLER

Phone: Fax: e-mail:

Well Information:

Name: RR UNIT 1-33

Operator: MULL DRLG. CO.

Location-Downhole: DST #6 FT. SCOTT CHER. 4480-4580

Location-Surface: SEC 33 / 17 S / 28 W

Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KEVIN KESSLER

Test Type: Drill Stem Test

Job Number: P069

Test Unit: NO. 1

Start Date: 2009/08/31

Start Time: 02:21:00

End Date: 2009/08/31

End Time: 09:19:00

Report Date: 2009/08/31

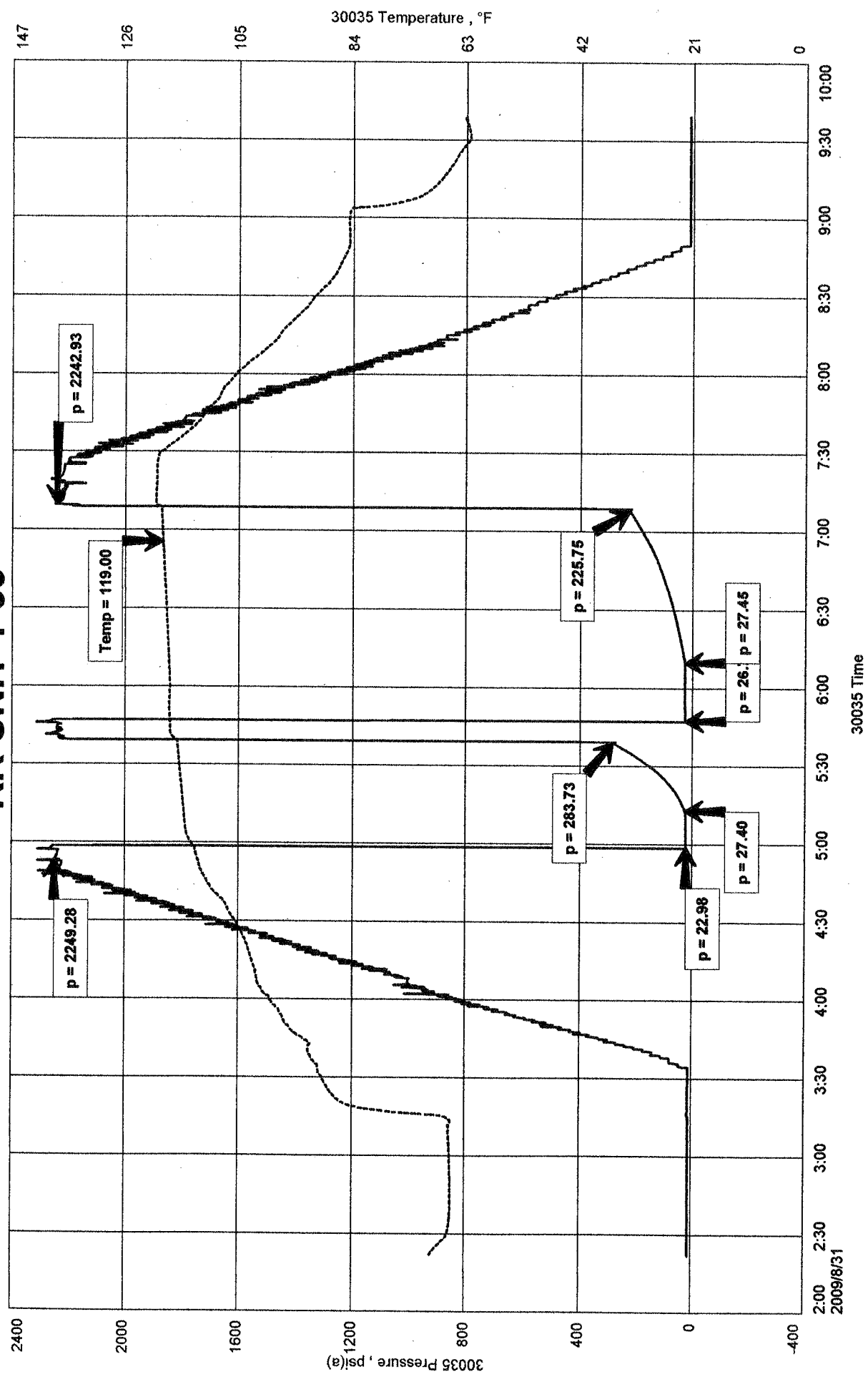
Prepared By: PAUL

Remarks:

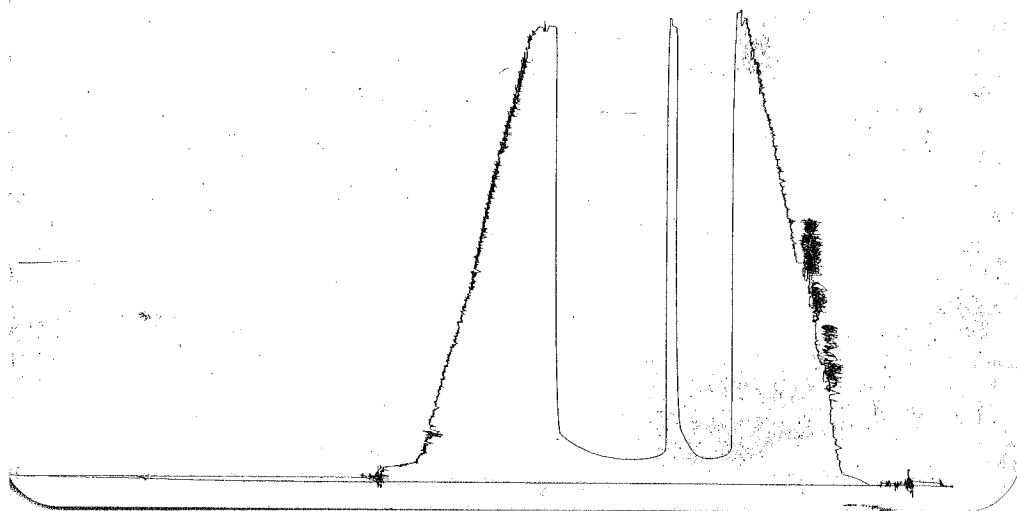
Qualified By: KEVIN

RECOVERED: 10` MUD
10` OF FLUID TOTAL
TOOL SMPL:100%M

RR UNIT 1-33



pg #6 Fr Scott - Cherokee 4480-4580 outside 4577



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2249	2249
(B) First Initial Flow Pressure	23	23
(C) First Final Flow Pressure	27	27
(D) Initial Closed-in Pressure	284	284
(E) Second Initial Flow Pressure	27	27
(F) Second Final Flow Pressure	27	27
(G) Final Closed-in Pressure	226	226
(H) Final Hydrostatic Mud	2243	2243