



15-063-21606

33-15s-30w

## DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 21108.D199

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. York Trust "V" No. 1

Elevation 2720KB Formation Lansing/Kansas City "B" Effective Pay -- Ft. Ticket No. J1792

Date 12-19-05 Sec. 33 Twp. 15S Range 30W County Gove State Kansas

Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,835 ft. to 3,871 ft. Total Depth 3,871 ft.

Packer Depth 3,830 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,835 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,838 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,868 ft. Recorder Number 11073 Cap. 4,000 psi

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

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

Mud Type Chemical Viscosity 47 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,815 ft. I.D. 3 1/2 in.

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

Jars: Make Bowen Serial Number Not Run Anchor Length 36 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. Slow build to 2 1/2 ins. No blow back during shut-in.

2nd Open: Weak blow. Slow build to 1 in. No blow back during shut-in.

Recovered 10 ft. of gas in pipe

Recovered 50 ft. of very slightly mud cut oil = .513000 bbls. (Grind out: 3%-mud; 97%-oil) Gravity: 25 @ 60°

Recovered 50 ft. of TOTAL FLUID = .513000 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 2:42 XXM. P.M. Time Started Off Bottom 5:42 XXM. P.M. Maximum Temperature 109°

Initial Hydrostatic Pressure ..... (A) 1880 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 31 P.S.I. to (C) 36 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1116 P.S.I.

Final Flow Period ..... Minutes 45 (E) 37 P.S.I. to (F) 48 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1079 P.S.I.

Final Hydrostatic Pressure ..... (H) 1859 P.S.I.

## **GENERAL INFORMATION**

### **Client Information:**

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### **Site Information:**

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### **Well Information:**

Name: YORK TRUST "V" #1

Operator: L D DRILLING INC

Location-Downhole: DST #1 3835 TO 3871

Location-Surface: S33/15S/30W GOVE COUNTY

### **Test Information:**

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D199

Test Unit: 2

Start Date: 2005/12/19

Start Time: 13:00:00

End Date: 2005/12/19

End Time: 19:25:00

Report Date: 2005/12/19

Prepared By: JOHN RIEDL

### **Remarks:**

Qualified By: KIM SHOEMAKER

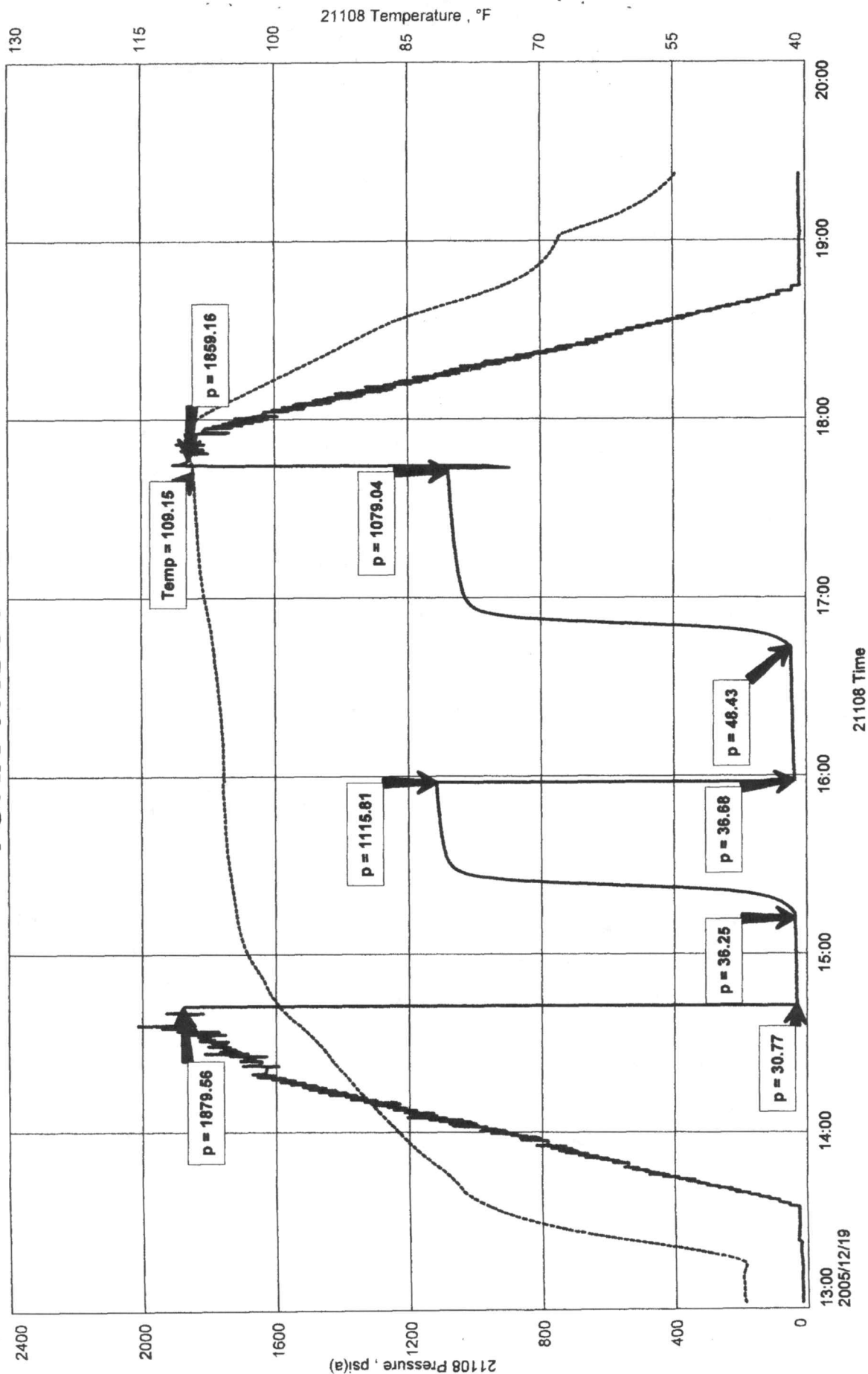
RECOVERY: 10' GAS IN PIPE

50' VSLMCO (3% MUD 97% OIL) 25 GRAVITY @60

YORK TRUST "V"  
 Formation: LKC "B"  
 Job Number: D199

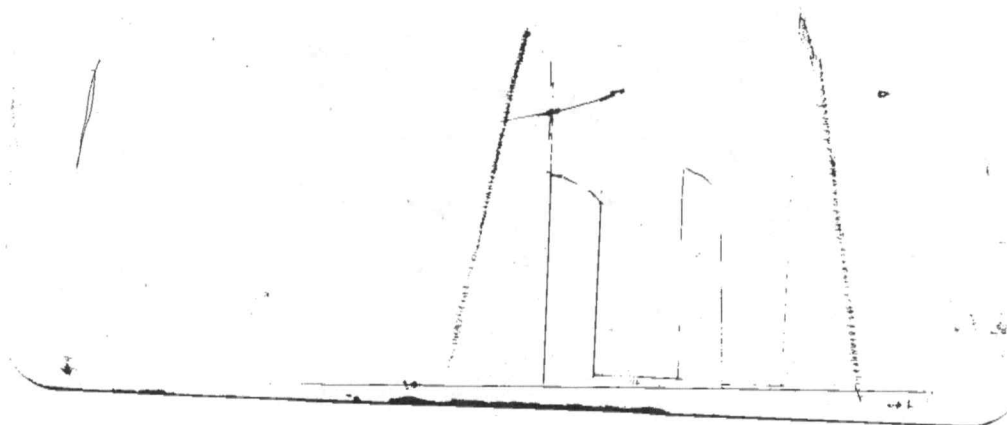
# YORK TRUST "V"

L D DRILLING INC  
 DST #1 3835 TO 3871  
 Start Test Date: 2005/12/19  
 Final Test Date: 2005/12/19



L.O. YORKS TRUST CO. ROC #11017

LOC 2868



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE Elec. |                |     |
|----------------------------------------|----------------|----------------|-----|
|                                        | Field Reading  | Office Reading |     |
| (A) Initial Hydrostatic Mud .....      | 1880           | 1880           | PSI |
| (B) First Initial Flow Pressure.....   | 31             | 31             | PSI |
| (C) First Final Flow Pressure .....    | 36             | 36             | PSI |
| (D) Initial Closed-in Pressure .....   | 1116           | 1116           | PSI |
| (E) Second Initial Flow Pressure ..... | 37             | 37             | PSI |
| (F) Second Final Flow Pressure.....    | 48             | 48             | PSI |
| (G) Final Closed-in Pressure .....     | 1079           | 1079           | PSI |
| (H) Final Hydrostatic Mud .....        | 1859           | 1859           | PSI |



## DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21108.D200

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. York Trust "V" No. 1  
Elevation 2720KB Formation Lansing/Kansas City "I" Effective Pay -- Ft. Ticket No. J1793  
Date 12-20-05 Sec. 33 Twp. 15S Range 30W County Gove State Kansas  
Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,014 ft. to 4,050 ft. Total Depth 4,050 ft.

Packer Depth 4,009 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,014 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,017 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,047 ft. Recorder Number 11073 Cap. 4,000 psi

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

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

Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,994 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 36 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: No blow.

Recovered 35 ft. of very slightly oil cut watery mud = .359100 bbls. (Grind out: 1%-oil; 5%-water; 94%-mud)  
Recovered -- ft. of Chlorides: 3,000 Ppm

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Remarks

Time Set Packer(s) 2:05 AM P.M. Time Started Off Bottom 4:05 AM P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure ..... (A) 1970 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 30 P.S.I. to (C) 39 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 996 P.S.I.

Final Flow Period ..... Minutes 30 (E) 39 P.S.I. to (F) 47 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 948 P.S.I.

Final Hydrostatic Pressure ..... (H) 1938 P.S.I.

## **GENERAL INFORMATION**

### **Client Information:**

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### **Site Information:**

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### **Well Information:**

Name: YORK TRUST "V" #1

Operator: L D DRILLING INC

Location-Downhole: DST #2 4014 TO 4050

Location-Surface: S33/15S/30W GOVE COUNTY

### **Test Information:**

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D200

Test Unit: 2

Start Date: 2005/12/20

Start Time: 12:26:00

End Date: 2005/12/20

End Time: 19:40:00

Report Date: 2005/12/20

Prepared By: JOHN RIEDL

### **Remarks:**

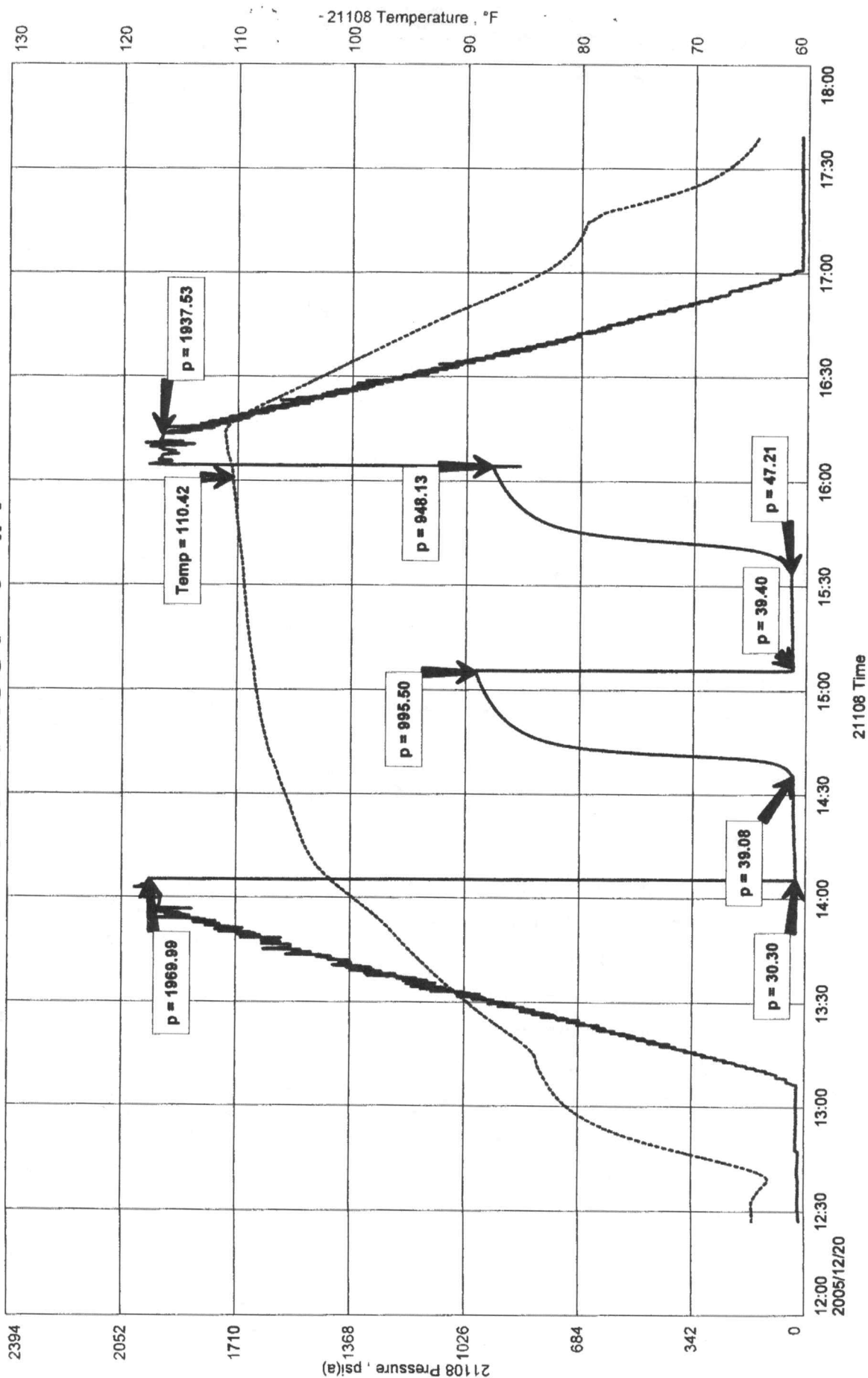
Qualified By: KIM SHOEMAKER

RECOVERY:35' VSLOCWM ( 1% OIL 5% WATER 94% MUD WITH CHLORIDES @3,000Ppm)

YORK TRUST "V" #1  
 Formation: LKC "I" (160')  
 Job Number: D200

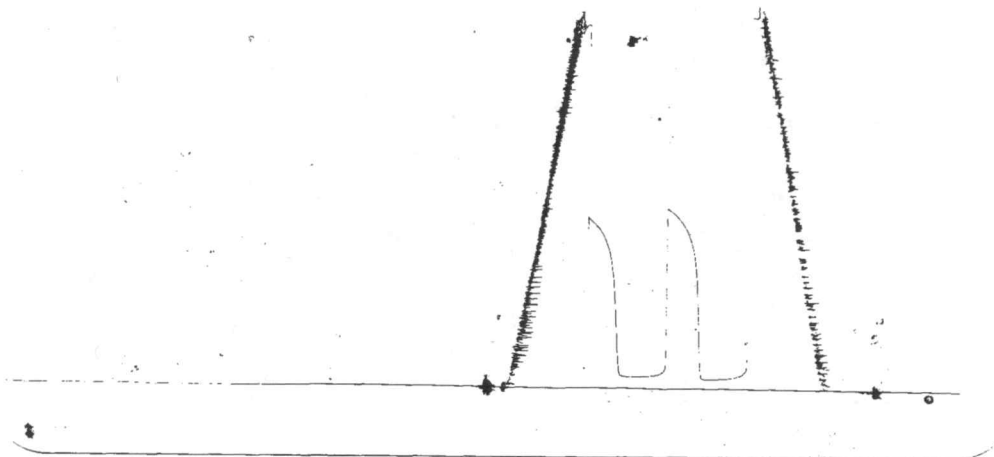
L D DRILLING INC  
 DST #2 4014 TO 4050  
 Start Test Date: 2005/12/20  
 Final Test Date: 2005/12/20

# YORK TRUST "V" #1



LP. DRILLING DST #1  
JOHNS TRUST U#1

ROD #11073  
OUTSIDE  
LOC 4047



This is an actual photograph of recorder chart.

| POINT                                  | PRESSURE         |      | Elec.<br>Office<br>Reading |  |
|----------------------------------------|------------------|------|----------------------------|--|
|                                        | Field<br>Reading |      |                            |  |
| (A) Initial Hydrostatic Mud .....      | 1970             | 1970 | PSI                        |  |
| (B) First Initial Flow Pressure.....   | 30               | 30   | PSI                        |  |
| (C) First Final Flow Pressure .....    | 39               | 39   | PSI                        |  |
| (D) Initial Closed-in Pressure .....   | 996              | 996  | PSI                        |  |
| (E) Second Initial Flow Pressure ..... | 39               | 39   | PSI                        |  |
| (F) Second Final Flow Pressure.....    | 47               | 47   | PSI                        |  |
| (G) Final Closed-in Pressure.....      | 948              | 948  | PSI                        |  |
| (H) Final Hydrostatic Mud .....        | 1938             | 1938 | PSI                        |  |





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21108.D201

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. York Trust "V" No. 1  
Elevation 2720KB Formation Marmaton Effective Pay -- Ft. Ticket No. J1794  
Date 12-21-05 Sec. 33 Twp. 15S Range 30W County Gove State Kansas  
Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 4,157 ft. to 4,280 ft. Total Depth 4,280 ft.

Packer Depth 4,152 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,157 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,160 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,277 ft. Recorder Number 11073 Cap. 4,000 psi

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

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

Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 4,137 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 123 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 in., blow decreasing to 1/2 in.  
2nd Open: No blow.

Recovered 15 ft. of oil specked watery mud = .153900 bbls. (Grind out: 8%-water; 92%-mud) Chlorides: 4,000 Ppm

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Remarks

Time Set Packer(s) 8:25 AM P.M. Time Started Off Bottom 10:25 AM P.M. Maximum Temperature 114°

Initial Hydrostatic Pressure ..... (A) 2055 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 31 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 489 P.S.I.

Final Flow Period ..... Minutes 30 (E) 34 P.S.I. to (F) 35 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 164 P.S.I.

Final Hydrostatic Pressure ..... (H) 2038 P.S.I.

## **GENERAL INFORMATION**

### **Client Information:**

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### **Site Information:**

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### **Well Information:**

Name: YORK TRUST "V" #1

Operator: L D DRILLING INC

Location-Downhole: DST #3 4157 TO 4280

Location-Surface: S33/15S/30W GOVE COUNTY

### **Test Information:**

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D201

Test Unit: 2

Start Date: 2005/12/21

Start Time: 19:10:00

End Date: 2005/12/22

End Time: 00:50:00

Report Date: 2005/12/22

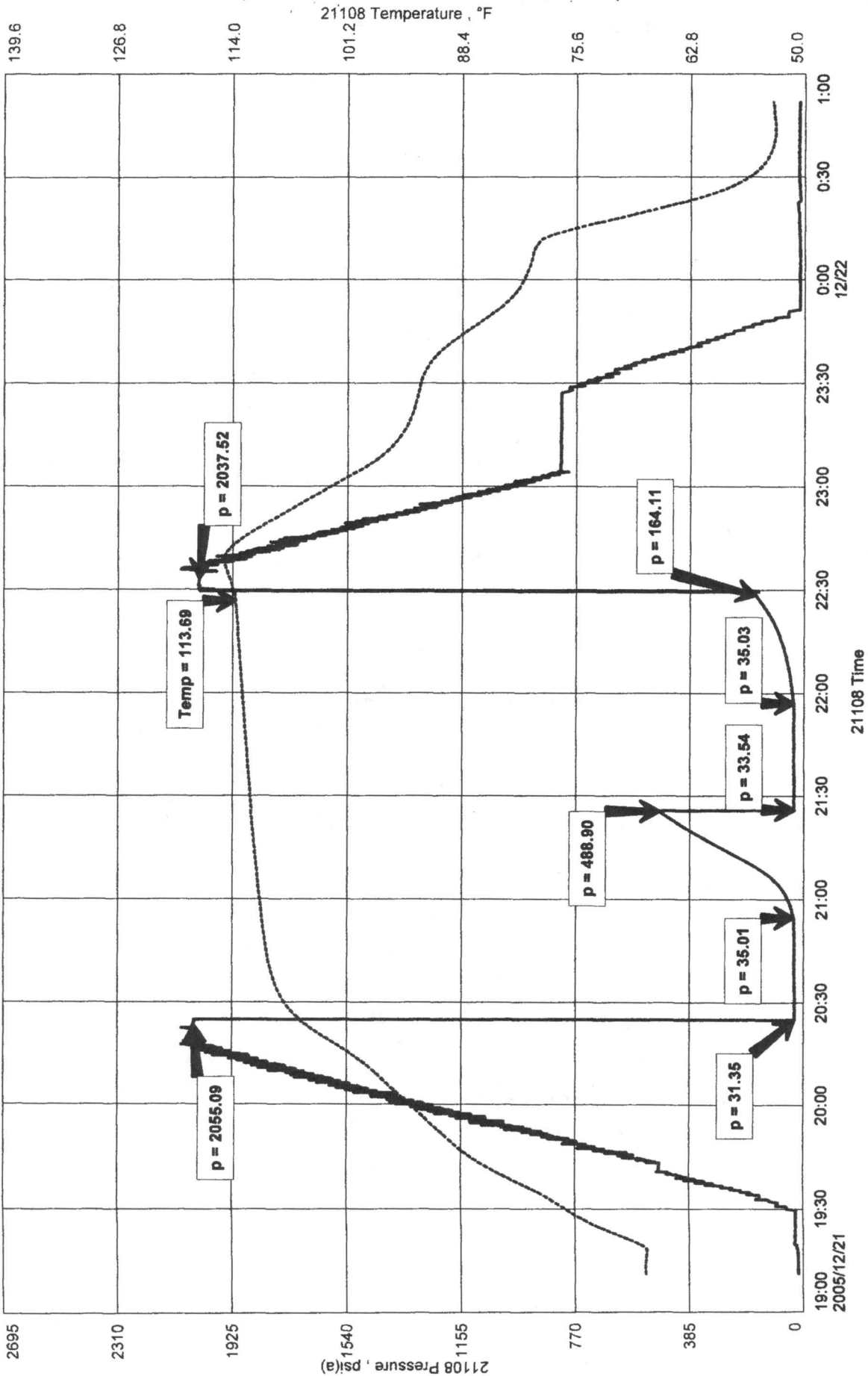
Prepared By: JOHN RIEDL

### **Remarks:**

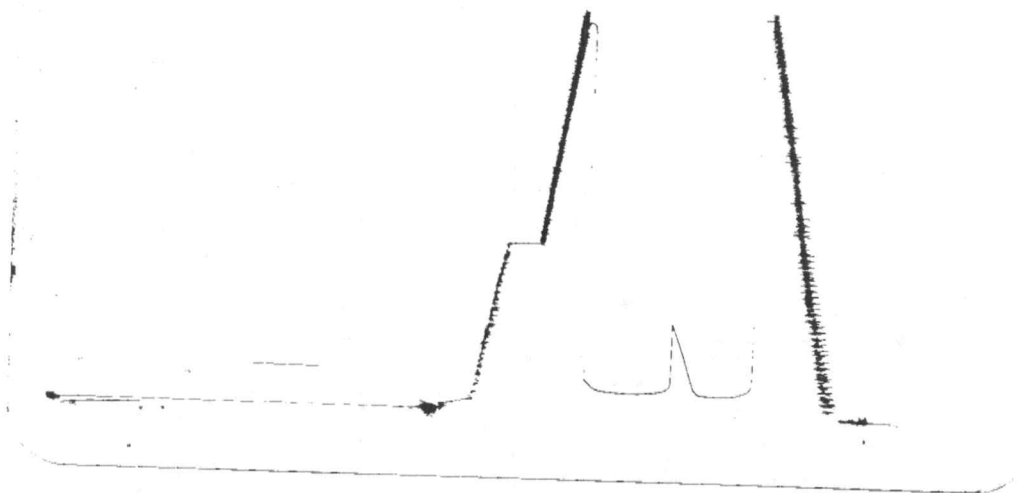
Qualified By: KIM SHOEMAKER

REC: 15' OIL SPECKER WATERY MUD (8% WATER 92% MUD} 4,000Ppm CHLORIDES

# YORK TRUST "V" #1



L-0  
 2055 1168 V #1  
 Loc #11673  
 PST #3  
 000805  
 Loc 4237



This is an actual photograph of recorder chart.

| POINT | PRESSURE                           |      | Elec.<br>Office<br>Reading |     |
|-------|------------------------------------|------|----------------------------|-----|
|       | Field<br>Reading                   |      |                            |     |
| (A)   | Initial Hydrostatic Mud .....      | 2055 | 2055                       | PSI |
| (B)   | First Initial Flow Pressure.....   | 31   | 31                         | PSI |
| (C)   | First Final Flow Pressure .....    | 35   | 35                         | PSI |
| (D)   | Initial Closed-in Pressure .....   | 489  | 489                        | PSI |
| (E)   | Second Initial Flow Pressure ..... | 34   | 34                         | PSI |
| (F)   | Second Final Flow Pressure.....    | 35   | 35                         | PSI |
| (G)   | Final Closed-in Pressure .....     | 164  | 164                        | PSI |
| (H)   | Final Hydrostatic Mud .....        | 2038 | 2038                       | PSI |



## DRILL STEM TEST REPORT

Prepared For: **L.D. Drilling Inc.**

7 SW 26 Ave  
Great Bend KS 67530

ATTN: L.D. Drilling

**33-15-30 Gove KS**

**York Trust 'v' #1**

Start Date: 2005.12.28 @ 06:46:11

End Date: 2005.12.29 @ 13:15:05

Job Ticket #: 22629      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

L.D. Drilling Inc.

7 SW 26 Ave  
Great Bend KS 67530

ATTN: L.D. Drilling

York Trust 'v' #1

33-15-30 Gove KS

Job Ticket: 22629

DST#: 4

Test Start: 2005.12.28 @ 06:46:11

### GENERAL INFORMATION:

Formation: **Myric Station**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:37:21

Time Test Ended: 13:15:05

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **4293.00 ft (KB) To 4320.00 ft (KB) (TVD)**

Total Depth: **4320.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2720.00 ft (KB)**

**2715.00 ft (CF)**

KB to GR/CF: **5.00 ft**

Serial #: **6667**

Inside

Press@RunDepth: **31.83 psig @ 4294.00 ft (KB)**

Start Date: **2005.12.28**

End Date: **2005.12.29**

Start Time: **18:46:11**

End Time: **01:15:05**

Capacity: **7000.00 psig**

Last Calib.: **2005.12.28**

Time On Btm: **2005.12.28 @ 20:36:21**

Time Off Btm: **2005.12.28 @ 23:37:51**

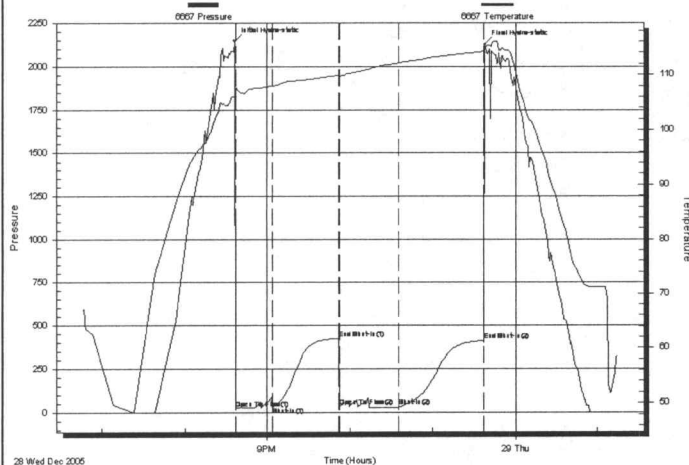
TEST COMMENT: Slide tool 7' to bottom 1" in blow @ open built to 1 1/2" in.

No return

Surface blow in 3 min built to 1/2" in

No return

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2143.35         | 106.08       | Initial Hydro-static |
| 1           | 25.54           | 107.57       | Open To Flow (1)     |
| 28          | 32.53           | 107.88       | Shut-In(1)           |
| 76          | 426.18          | 109.88       | End Shut-In(1)       |
| 77          | 35.16           | 109.72       | Open To Flow (2)     |
| 119         | 31.83           | 112.13       | Shut-In(2)           |
| 181         | 412.87          | 114.20       | End Shut-In(2)       |
| 182         | 2123.19         | 114.82       | Final Hydro-static   |

### Recovery

| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 35.00       | mud w/oil spots | 0.49         |
|             |                 |              |
|             |                 |              |
|             |                 |              |
|             |                 |              |
|             |                 |              |

### Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

L.D. Drilling Inc.  
7 SW 26 Ave  
Great Bend KS 67530  
ATTN: L.D. Drilling

York Trust 'v' #1  
**33-15-30 Gove KS**  
Job Ticket: 22629      **DST#: 4**  
Test Start: 2005.12.28 @ 06:46:11

### Tool Information

|                           |            |            |             |             |               |           |                        |             |
|---------------------------|------------|------------|-------------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length:    | 4279.00 ft | Diameter:   | 3.80 inches | Volume:       | 60.02 bbl | Tool Weight:           | 1500.00 lb  |
| Heavy Wt. Pipe:           | Length:    | 0.00 ft    | Diameter:   | 0.00 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length:    | 0.00 ft    | Diameter:   | 0.00 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose:  | 110000.0 lb |
|                           |            |            |             |             | Total Volume: | 60.02 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 13.00 ft   |            |             |             |               |           | String Weight: Initial | 52000.00 lb |
| Depth to Top Packer:      | 4293.00 ft |            |             |             |               |           | Final                  | 54000.00 lb |
| Depth to Bottom Packer:   | ft         |            |             |             |               |           |                        |             |
| Interval between Packers: | 27.00 ft   |            |             |             |               |           |                        |             |
| Tool Length:              | 54.00 ft   |            |             |             |               |           |                        |             |
| Number of Packers:        | 2          | Diameter:  | 6.75 inches |             |               |           |                        |             |
| Tool Comments:            |            |            |             |             |               |           |                        |             |

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                     |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub  | 1.00        |            |          | 4267.00    |                                    |
| Shut In Tool     | 5.00        |            |          | 4272.00    |                                    |
| Hydraulic tool   | 5.00        |            |          | 4277.00    |                                    |
| Jars             | 5.00        |            |          | 4282.00    |                                    |
| Safety Joint     | 2.00        |            |          | 4284.00    |                                    |
| Packer           | 5.00        |            | Fluid    | 4289.00    | 27.00      Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4293.00    |                                    |
| Stubb            | 1.00        |            |          | 4294.00    |                                    |
| Recorder         | 0.00        | 6667       | Inside   | 4294.00    |                                    |
| Perforations     | 21.00       |            |          | 4315.00    |                                    |
| Recorder         | 0.00        | 11058      | Inside   | 4315.00    |                                    |
| Bullnose         | 5.00        |            |          | 4320.00    | 27.00      Bottom Packers & Anchor |

**Total Tool Length: 54.00**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

L.D. Drilling Inc.

York Trust 'v' #1

7 SW 26 Ave  
Great Bend KS 67530

33-15-30 Gove KS

Job Ticket: 22629

DST#: 4

ATTN: L.D. Drilling

Test Start: 2005.12.28 @ 06:46:11

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

1000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description     | Volume<br>bbl |
|--------------|-----------------|---------------|
| 35.00        | mud w/oil spots | 0.491         |

Total Length: 35.00 ft

Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



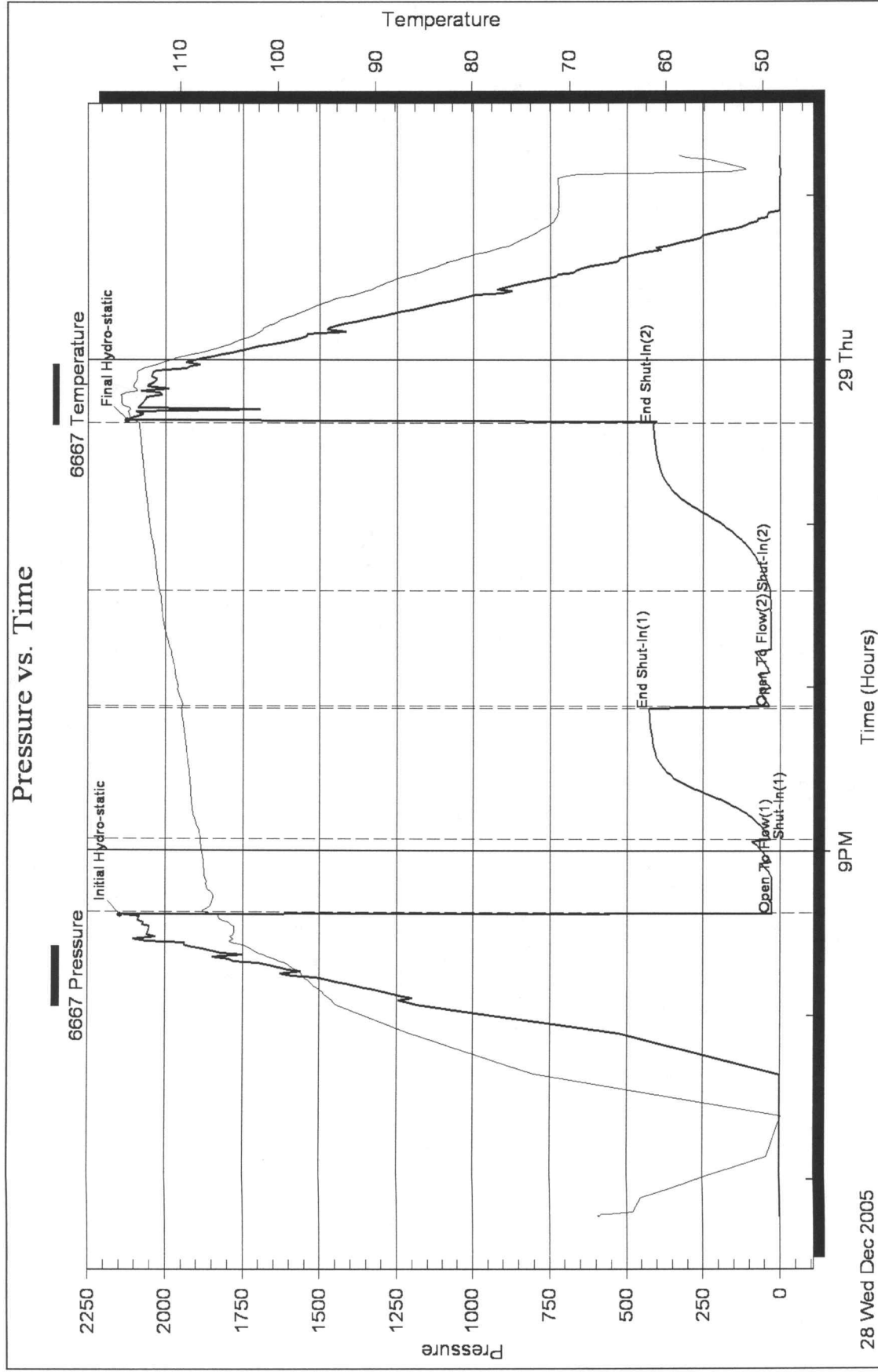
Serial #: 6667

Inside L.D. Drilling Inc.

33-15-30 Gove KS

DST Test Number: 4

# Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 22629

Printed: 2006.01.06 @ 09:09:08 Page 5



## DRILL STEM TEST REPORT

Prepared For: **L.D. Drilling Inc.**

7 SW 26 Ave  
Great Bend KS 67530

ATTN: L.D. Drilling

**33-15-30 Gove KS**

**York Trust 'v' #1**

Start Date: 2005.12.29 @ 04:07:20

End Date: 2005.12.29 @ 10:41:44

Job Ticket #: 22630                      DST #: 5

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

L.D. Drilling Inc.  
7 SW 26 Ave  
Great Bend KS 67530  
ATTN: L.D. Drilling

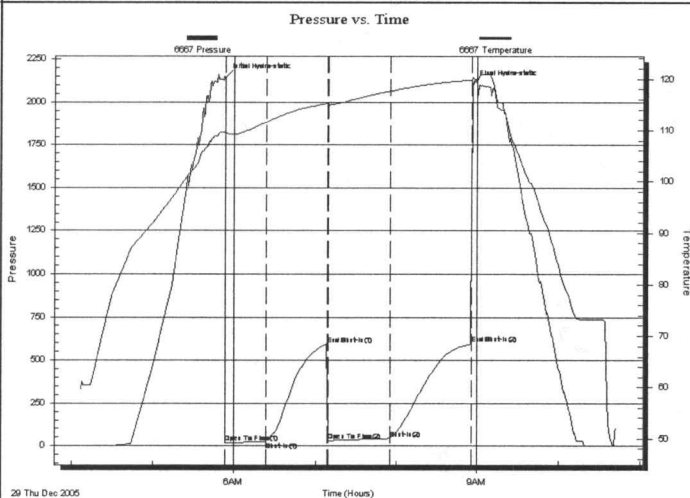
York Trust 'v' #1  
**33-15-30 Gove KS**  
Job Ticket: 22630      **DST#: 5**  
Test Start: 2005.12.29 @ 04:07:20

### GENERAL INFORMATION:

Formation: **Johnson**  
Deviated: **No** Whipstock:      ft (KB)  
Time Tool Opened: 05:54:00  
Time Test Ended: 10:41:44  
Interval: **4367.00 ft (KB) To 4407.00 ft (KB) (TVD)**  
Total Depth: **4407.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Shane McBride**  
Unit No: **25.**  
Reference Elevations: **2720.00 ft (KB)**  
**2715.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6667**      **Inside**  
Press@RunDepth: **43.79 psig @ 4368.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.12.29**      End Date: **2005.12.29**      Last Calib.: **2005.12.29**  
Start Time: **04:07:20**      End Time: **10:41:44**      Time On Btm: **2005.12.29 @ 05:53:45**  
Time Off Btm: **2005.12.29 @ 08:56:30**

TEST COMMENT: 1" in. @ open built to 6" in.  
No return  
1" in. @ open built to 9" in.  
Bleed off for 2 min return blow in 9 min built to 1/4" in.



### PRESSURE SUMMARY

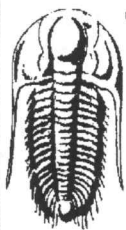
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2144.94         | 109.87       | Initial Hydro-static |
| 1           | 17.50           | 109.37       | Open To Flow (1)     |
| 30          | 26.80           | 111.57       | Shut-In(1)           |
| 75          | 593.95          | 115.21       | End Shut-In(1)       |
| 75          | 30.03           | 114.97       | Open To Flow (2)     |
| 121         | 43.79           | 117.63       | Shut-In(2)           |
| 182         | 594.72          | 119.83       | End Shut-In(2)       |
| 183         | 2105.07         | 120.30       | Final Hydro-static   |

### Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 70.00       | s g m c o 5g 30m 65o | 0.98         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

### Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

L.D. Drilling Inc.

York Trust 'v' #1

7 SW 26 Ave  
Great Bend KS 67530

33-15-30 Gove KS

Job Ticket: 22630

DST#: 5

ATTN: L.D. Drilling

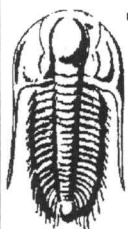
Test Start: 2005.12.29 @ 04:07:20

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 4372.00 ft | Diameter: 3.80 inches | Volume: 61.33 bbl       | Tool Weight: 1500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl        | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl        | Weight to Pull Loose: 90000.00 lb  |
|                           |                    |                       | Total Volume: 61.33 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 32.00 ft           |                       |                         | String Weight: Initial 53000.00 lb |
| Depth to Top Packer:      | 4367.00 ft         |                       |                         | Final 55000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 40.00 ft           |                       |                         |                                    |
| Tool Length:              | 67.00 ft           |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |

Tool Comments:

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|--------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub    | 1.00        |            |          | 4341.00    |                               |
| Shut In Tool       | 5.00        |            |          | 4346.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 4351.00    |                               |
| Jars               | 5.00        |            |          | 4356.00    |                               |
| Safety Joint       | 2.00        |            |          | 4358.00    |                               |
| Packer             | 5.00        |            | Fluid    | 4363.00    | 27.00 Bottom Of Top Packer    |
| Packer             | 4.00        |            |          | 4367.00    |                               |
| Stubb              | 1.00        |            |          | 4368.00    |                               |
| Recorder           | 0.00        | 6667       | Inside   | 4368.00    |                               |
| Perforations       | 34.00       |            |          | 4402.00    |                               |
| Recorder           | 0.00        | 11058      | Inside   | 4402.00    |                               |
| Bullnose           | 5.00        |            |          | 4407.00    | 40.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 67.00      |          |            |                               |



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

L.D. Drilling Inc.

York Trust 'v' #1

7 SW 26 Ave  
Great Bend KS 67530

33-15-30 Gove KS

Job Ticket: 22630

DST#: 5

ATTN: L.D. Drilling

Test Start: 2005.12.29 @ 04:07:20

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

1000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 70.00        | s g m c o 5g 30m 65o | 0.982         |

Total Length: 70.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

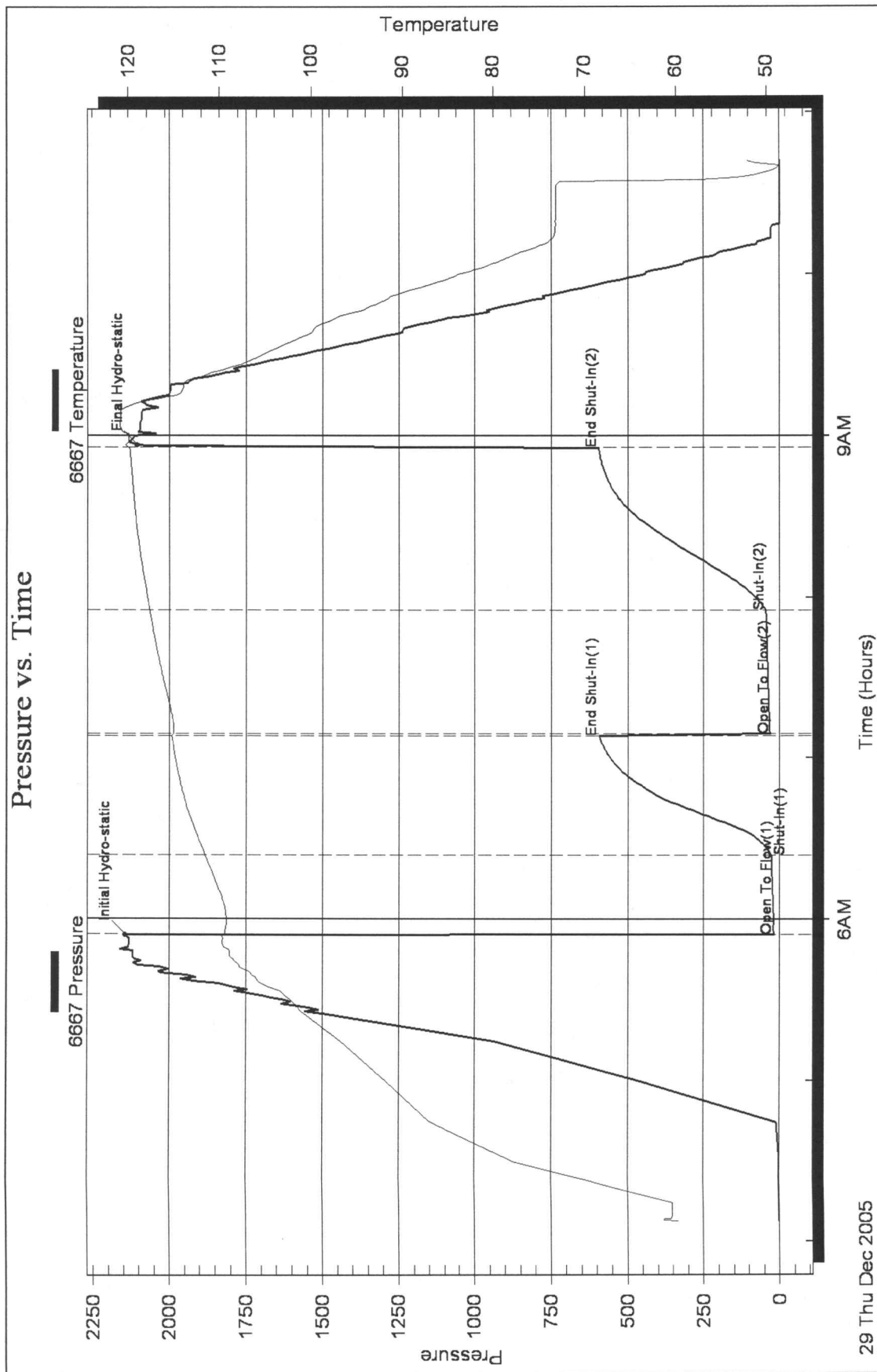
Serial #: 6667

Inside

L.D. Drilling Inc.

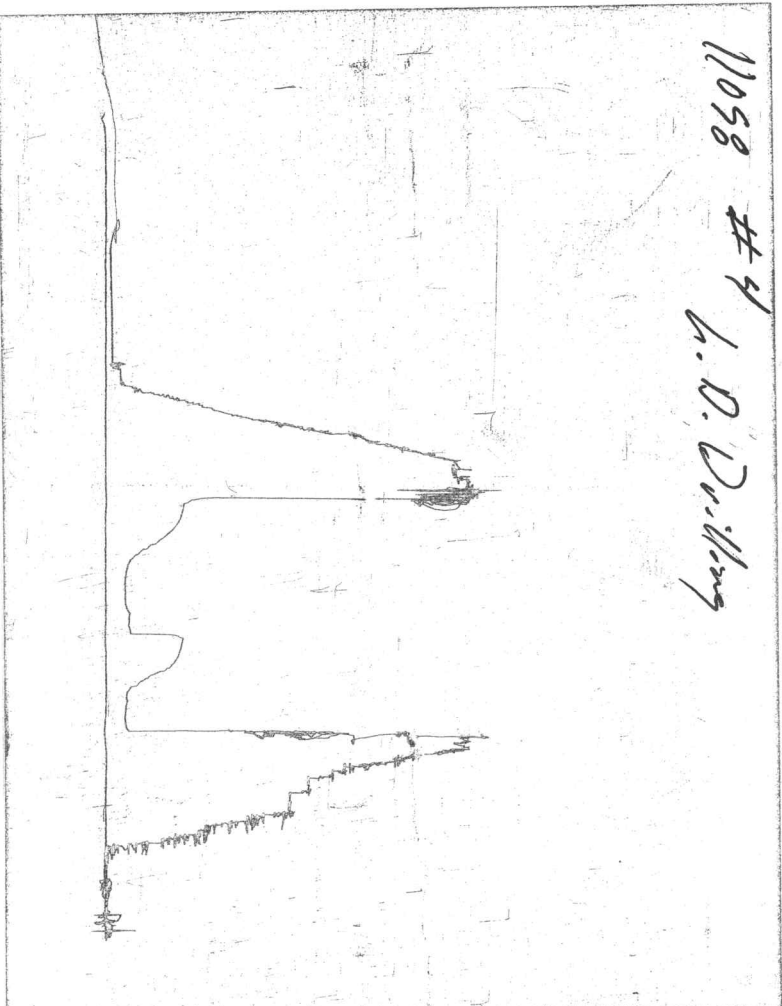
33-15-30 Gove KS

DST Test Number: 5



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

