



ORIGINAL

15-151-22169  
RECEIVED

**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313

AUG 02 2002

KCC WICHITA

Page 1 of 8 Pages

Company L. D. Drilling, Inc. Lease & Well No. Preisser No. 1  
Elevation 1765 KB Formation Kansas City "Swope" Effective Pay 2 Ft. Ticket No. 1632  
Date 5-25-02 Sec. 22 Twp. 27S Range 11W County Pratt State Kansas  
Test Approved By Jerry A. Smith Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,868 ft. to 3,888 ft. Total Depth 3,888 ft.  
Packer Depth 3,863 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,868 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,854 ft. Recorder Number Elec. Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,885 ft. Recorder Number 13387 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

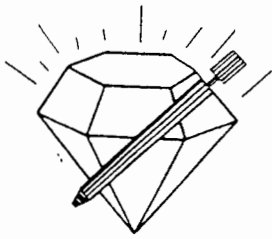
Drilling Contractor Duke Drlg Co., Inc. - Rig 1 Drill Collar Length 150 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 41 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 3,690 ft. I.D. 3 1/2 in.  
Chlorides 6,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - 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: Strong blow. Off bottom of bucket in 30 secs. Strong blow back off bottom of bucket during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 3 mins. Gas to surface in 15 mins. Strong blow back off bottom of bucket during shut-in. (SEE GAS VOLUME REPORT)

Recovered 77 ft. of oil & gas cut watery mud = .378840 bbls. (Grind out: 12%-oil; 16%-gas; 16%-water; 56%-mud)  
Recovered 62 ft. of oil & water cut muddy gas = .305040 bbls. (Grind out: 18%-oil; 24%-water; 24%-mud; 34%-gas)  
Recovered 124 ft. of slightly oil & gas cut muddy water = .890320 bbls. (Grind out: 2%-oil; 4%-gas; 6%-mud; 88%-water)  
Recovered 434 ft. of salt water with a few oil specks throughout = 3.211600 bbls.  
Recovered 697 ft. of TOTAL FLUID = 4.785800 bbls.

Remarks Tool Sample Grind Out: 4%-oil; 4%-gas; 92%-water

Time Set Packer(s) 1:38 ~~PM~~ A.M. Time Started Off Bottom 5:23 ~~PM~~ A.M. Maximum Temperature 128°  
Initial Hydrostatic Pressure ..... (A) 1805 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 59 P.S.I. to (C) 185 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 801 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 201 P.S.I. to (F) 343 P.S.I.  
Final Closed In Period ..... Minutes 90 (G) 819 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1806 P.S.I.



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(800) 542-7313

**FLUID SAMPLE DATA**

Company L. D. Drilling, Inc.  
Lease & Well No. Preisser No. 1  
Date 5-25-02 Sec. 22 Twp. 27 S Range 11 W  
Formation Test No. 1 Interval Tested From 3,868 ft. to 3,888 ft. Total Depth 3,888 ft.  
Formation Kansas City "Swope"

	<u>MUD PIT</u>	<u>RECOVERY</u>	
Viscosity	<u>41</u> CP	<u>--</u> CP	
Weight	<u>9.1</u>	<u>--</u>	
Water Loss	<u>12.0</u> CC	<u>--</u> CC	
PH Factor	<u>10.0</u>	<u>--</u>	Water <u>6.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.08</u> @ <u>62</u> °F.	<u>120,000</u> ppm
Recovery Mud	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud Filtrate	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Mud Pit Sample	<u>1.20</u> @ <u>45</u> °F.	<u>7,500</u> ppm
Mud Pit Sample Filtrate	<u>1.30</u> @ <u>47</u> °F.	<u>7,000</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Jerry A. Smith

Remarks Pit filtrate triton dish chlorides were 6,000 Ppm.  
Recovery water dish chlorides were 117,000 Ppm.



DIAMOND TESTING

BOX 157

HOISINGTON, KS 67544

L. D. DRILLING, INC.

DST #1

PREISSER NO. 1

Page 4 of 8 Pages

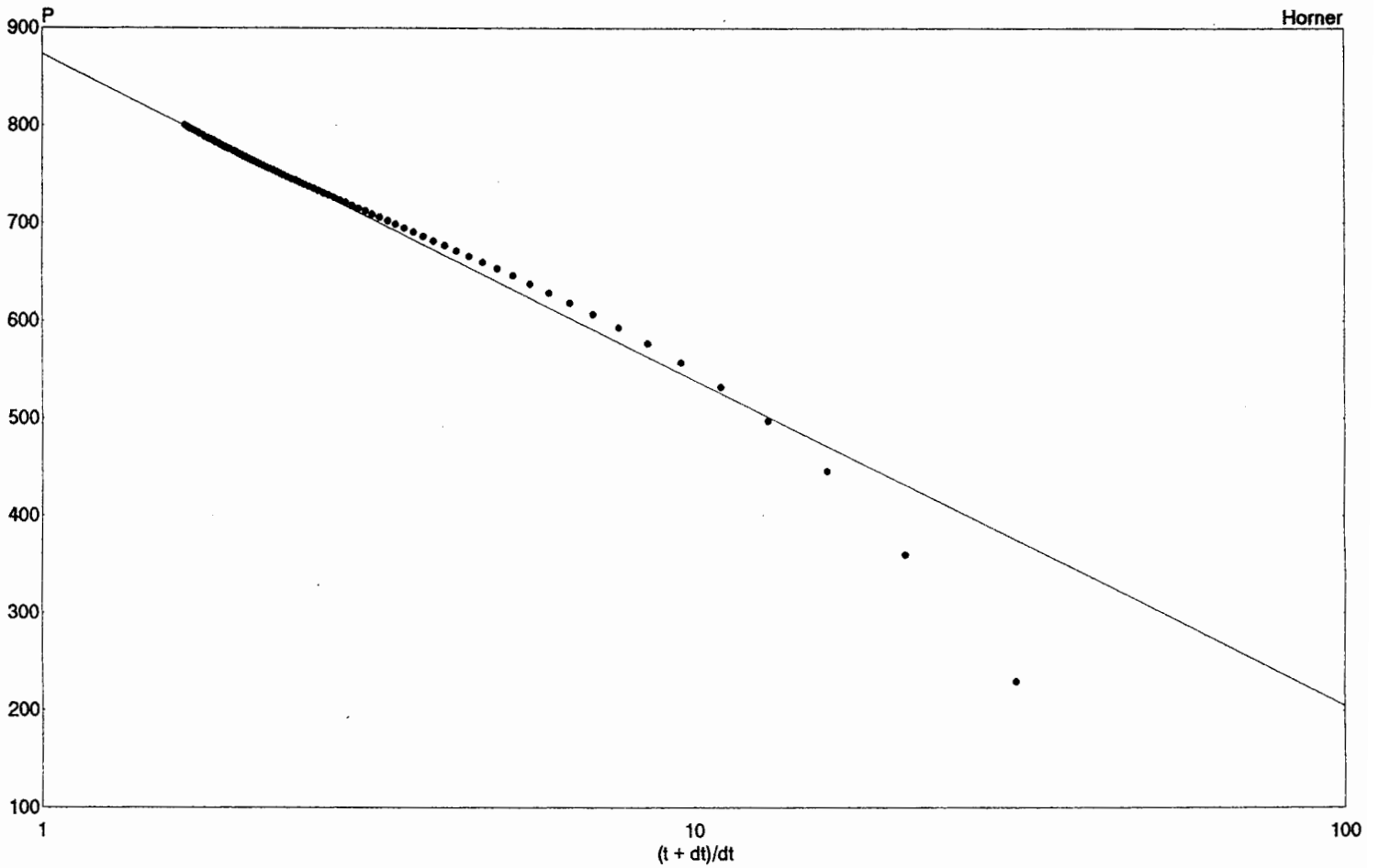
T E S T P A R A M E T E R S

DRILLPIPE CAPACITY	0.0142 BBL/FT	HOLE SIZE	7.875 IN
DRILLPIPE LENGTH	3690 FT	PAY THICKNESS	2 FT
WEIGHTPIPE CAPACITY	0.0000 BBL/FT	VISCOSITY	1.00 CP
WEIGHTPIPE LENGTH	0 FT	POROSITY FRACTION	.15
DRILLCOLLAR CAPACITY	0.0049 BBL/FT		
DRILLCOLLAR LENGTH	150 FT		
BOTTOM HOLE TEMP	128 DEG F	COMPRESSIBILITY	.00001 1/PSI
RECORDER NUMBER	21073	1ST FLOW TIME	30 MIN
RECORDER DEPTH	3854	1ST SHUT IN TIME	60 MIN
ELEVATION	1765 FT (KB)	2ND FLOW TIME	45 MIN
DATUM	-2089	2ND SHUT-IN TIME	90 MIN

C A L C U L A T I O N S

EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI) .....	873.0
SLOPE (PSI/LOG CYCLE) .....	334.0
EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI) .....	887.0
SLOPE (PSI/LOG CYCLE) .....	296.0
AVERAGE PRODUCTION RATE (BARRELS/DAY) .....	4.0
TRANSMISSIBILITY (MD.-FT./CP.) .....	2.20
FLOW CAPACITY (MD.-FT.) .....	2.20
PERMEABILITY (MD.) .....	1.099
PRODUCTIVITY INDEX (BARRELS/DAY/PSI) .....	0.0074
DAMAGE RATIO .....	0.3
PRODUCTION RATE WITH DAMAGED REMOVED (BARRELS/DAY) .....	4.0
SKIN FACTOR (S) .....	-1.7
PRESSURE DROP DUE TO SKIN (PSI) .....	-433.9
APPROXIMATE RADIUS OF INVESTIGATION (FT.) .....	9.1
DRAWDOWN FACTOR (%) .....	0.000
POTENTIOMETRIC SURFACE (FT.) .....	-22.3

L.D. DRILLING, INC PREISSER 1 DST #1 SWOPE INITIAL SHUT-IN



L.D. DRILLING, INC PREISSER 1 DST #1 SWOPE INITIAL SHUT-IN

Analysis Results: Horner

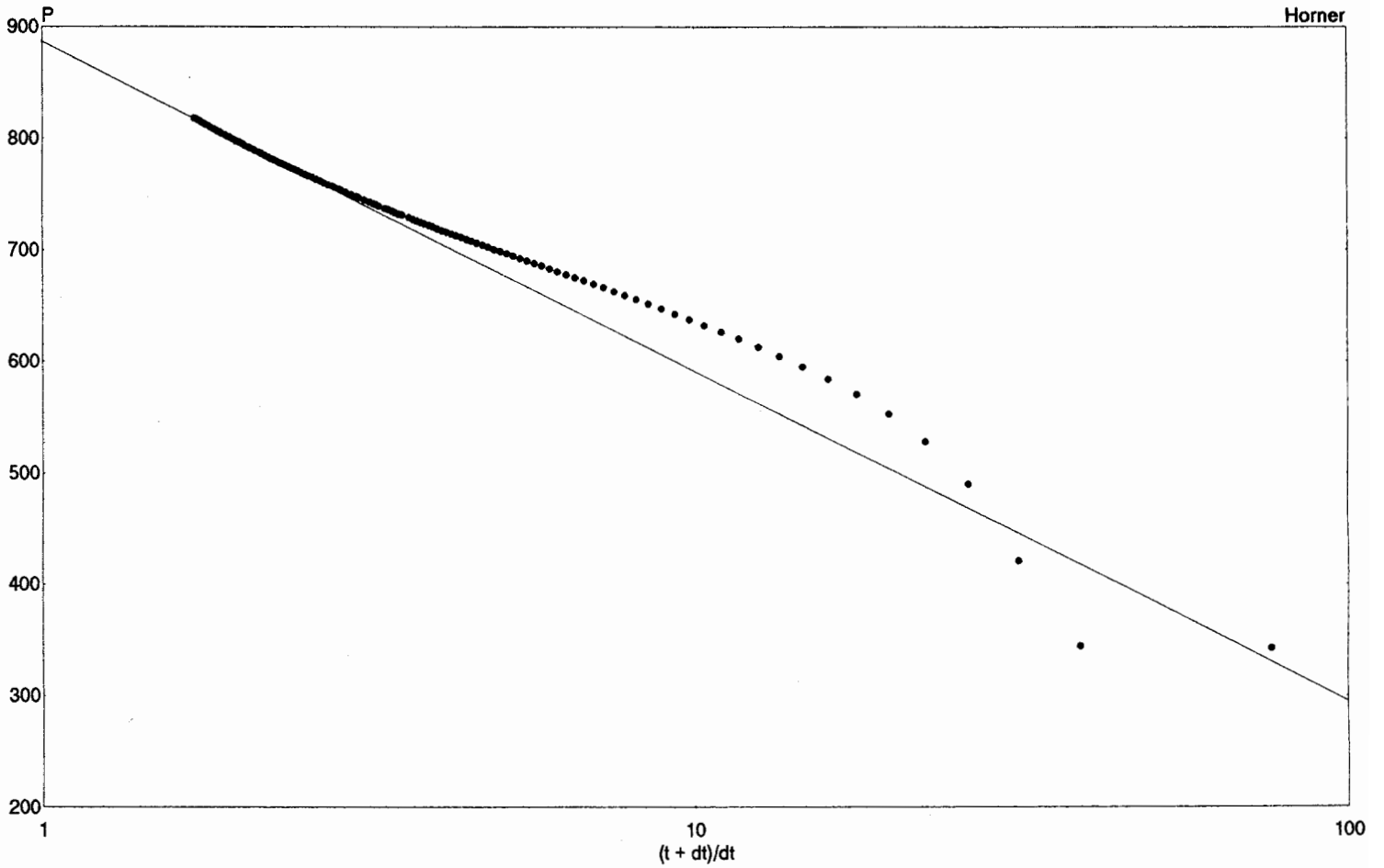
Parameters:

Slope = -334.13  
m(1 hr) = 814.545  
Prd Time: = 0.5 hr

Calculated Values:

kh = 1.94616 md-ft  
k = 0.97308 md  
Skin = 4.03398  
P\* = 873.38 psi

L.D. DRILLING, INC PREISSER 1 DST #1 SWOPE FINAL SHUT-IN



L.D. DRILLING, INC PREISSER 1 DST #1 SWOPE FINAL SHUT-IN

Analysis Results: Horner

Parameters:

Slope = -295.56

$m(1 \text{ hr}) = 782.887$

Prd Time: = 1.25 hr

Calculated Values:

$kh = 2.20013 \text{ md-ft}$

$k = 1.10006 \text{ md}$

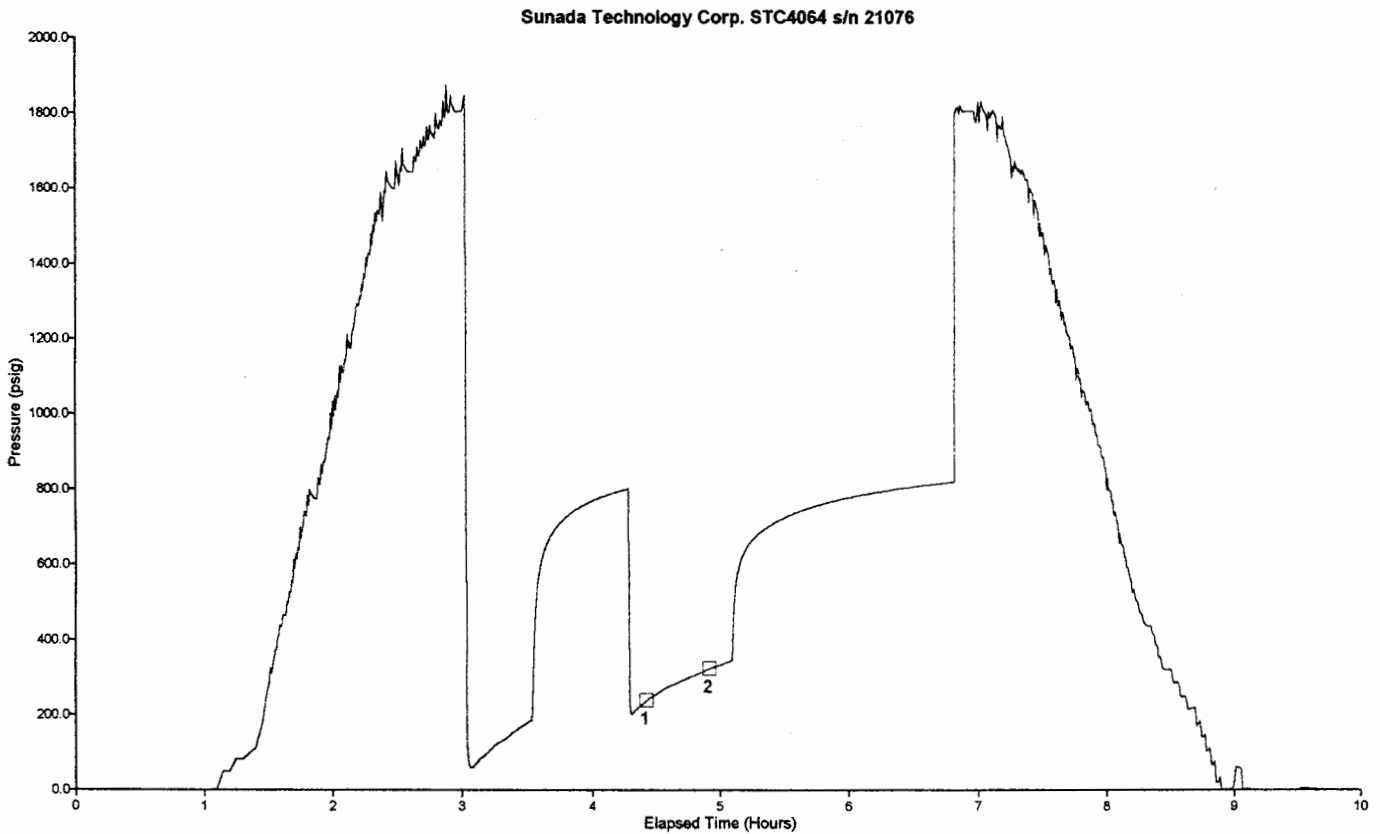
Skin = 3.27038

$P^* = 886.98 \text{ psi}$

L.D. DRILLING, INC

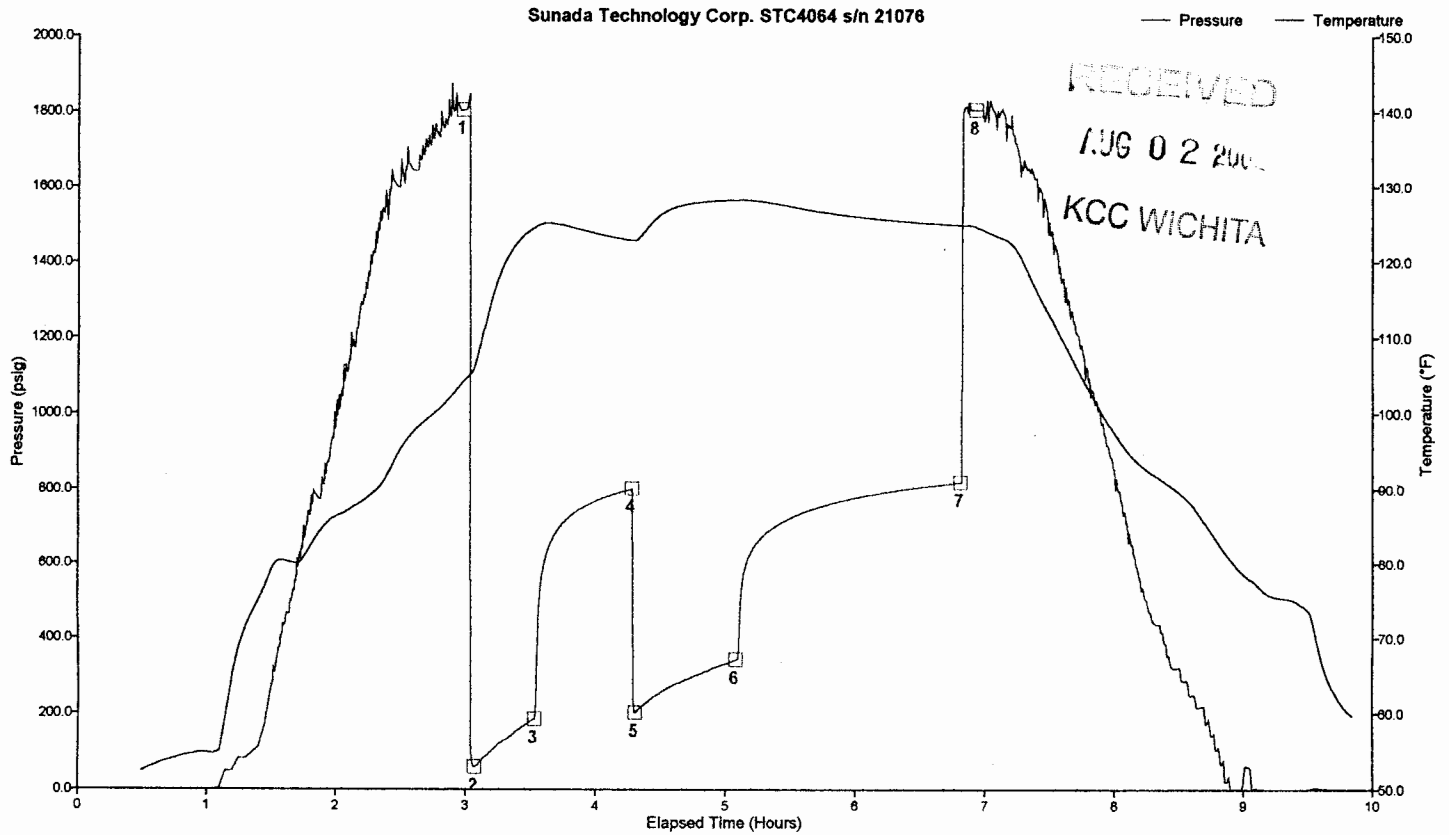
<u>DESCRIPTION</u>	<u>SECOND</u>	<u>FIRST</u>	<u>PRESSURE</u>	<u>PIPE</u>	<u>FLUID</u>	<u>TIME</u>	<u>TOTAL</u>	<u>DAILY</u>
<u>FINAL FLOW PERIOD</u>	<u>READING</u>	<u>READING</u>	<u>CHANGE</u>	<u>SIZE</u>	<u>GRADIENT</u>	<u>CHANGE</u>	<u>TIME</u>	<u>PRODUCTION</u>
	323	239	84	0.0142	0.464	30	1440	123.3931034

Well LSD: DST #1 SWOPE 3868'-3888'  
 Well Name: PREISSER 1 DST 1  
 Company: L D DRILLING INC  
 Battery on: May 24, 2002 at 22:35:00  
 Notes: RECOVERED 77' O&GCWM, 62' O&WCMG, 124' SO&GCMW, 434' SW, GTS ON  
 FFP TSTM BURNED NICELY.



Tag	Pressure	Temperature	Comment
1	238.78 psig	125.05 °F	2002-05-25 03:00:30
2	322.55 psig	128.14 °F	2002-05-25 03:30:30

Well LSD: DST #1 KS SWOPE 3868'-3888'  
 Well Name: PREISSER 1 DST 1  
 Company: L D DRILLING INC  
 Battery on: May 24, 2002 at 22:35:00  
 Notes: RECOVERED 77' O&GCWM, 62' O&WCMG, 124' SO&GCMW, 434' SW. GTS ON FFP TSTM BURN NICELY.



Tag	Pressure	Temperature	Comment
1	1804.69 psig	104.19 °F	2002-05-25 01:34:00
2	58.72 psig	106.35 °F	2002-05-25 01:39:30
3	184.66 psig	124.64 °F	2002-05-25 02:07:00
4	801.07 psig	122.90 °F	2002-05-25 02:52:00
5	201.19 psig	122.92 °F	2002-05-25 02:53:30
6	342.81 psig	128.27 °F	2002-05-25 03:40:00
7	818.61 psig	124.93 °F	2002-05-25 05:24:00
8	1806.06 psig	124.73 °F	2002-05-25 05:31:00

COMPANY L. D. Drilling, Inc. LEASE AND WELL NO. Preisser No. 1 SEC. 22 TWP. 27S RGE. 11W TEST NO. 1 DATE 5-25-02

DST # 1 Outside 13387  
 Clock 13392 SWOPE

3868-3888  
 101 3885



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	1805	1805	PSI
(B) First Initial Flow Pressure.....	59	59	PSI
(C) First Final Flow Pressure .....	185	185	PSI
(D) Initial Closed-in Pressure .....	801	801	PSI
(E) Second Initial Flow Pressure .....	201	201	PSI
(F) Second Final Flow Pressure.....	343	343	PSI
(G) Final Closed-in Pressure.....	819	819	PSI
(H) Final Hydrostatic Mud.....	1806	1806	PSI



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Company L. D. Drilling, Inc. Lease & Well No. Preisser No. 1  
Elevation 1765 KB Formation Mississippi Effective Pay -- Ft. Ticket No. 1633  
Date 5-26-02 Sec. 22 Twp. 27S Range 11W County Pratt State Kansas  
Test Approved By Jerry A. Smith Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,056 ft. to 4,100 ft. Total Depth 4,100 ft.  
Packer Depth 4,051 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,056 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

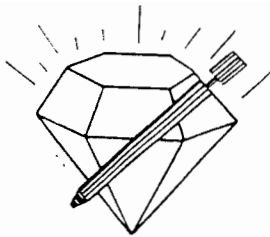
Top Recorder Depth (Inside) 4,042 ft. Recorder Number Elec. Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,097 ft. Recorder Number 13387 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 1 Drill Collar Length 150 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 3,878 ft. I.D. 3 1/2 in.  
Chlorides 7,500 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 44 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, 3 in., blow increasing to 10 ins. No blow back during shut-in.  
2nd Open: Weak, 1/2 in., blow increasing to 3/4 in. then decreasing to 1/2 in. at end. No blow back during shut-in.

Recovered 170 ft. of gas in pipe  
Recovered 20 ft. of drilling mud with a few oil specks in tool = .098400 bbls.  
Recovered 20 ft. of TOTAL FLUID = .098400 bbls.  
Recovered          ft. of           
Recovered          ft. of           
Remarks         

Time Set Packer(s) 6:24 ~~PM~~ <sup>A.M.</sup> Time Started Off Bottom 9:24 ~~PM~~ <sup>A.M.</sup> Maximum Temperature 121 °  
Initial Hydrostatic Pressure ..... (A) 1900 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 13 P.S.I. to (C) 16 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 39 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 14 P.S.I. to (F) 15 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 28 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1896 P.S.I.



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**FLUID SAMPLE DATA**

Company L. D. Drilling, Inc.  
Lease & Well No. Preisser No. 1  
Date 5-26-02 Sec. 22 Twp. 27 S Range 11 W  
Formation Test No. 2 Interval Tested From 4,056 ft. to 4,100 ft. Total Depth 4,100 ft.  
Formation Mississippi

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>44</u> CP	<u>58</u> CP
Weight	<u>9.2</u>	<u>9.1</u>
Water Loss	<u>12.0</u> CC	<u>12.0</u> CC
PH Factor	<u>9.5</u>	<u>9.5</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>.44</u> @ <u>66</u> °F.	<u>14,000</u> ppm
Recovery Mud Filtrate	<u>.70</u> @ <u>68</u> °F.	<u>10,000</u> ppm
Mud Pit Sample	<u>.66</u> @ <u>62</u> °F.	<u>10,500</u> ppm
Mud Pit Sample Filtrate	<u>.72</u> @ <u>66</u> °F.	<u>9,800</u> ppm

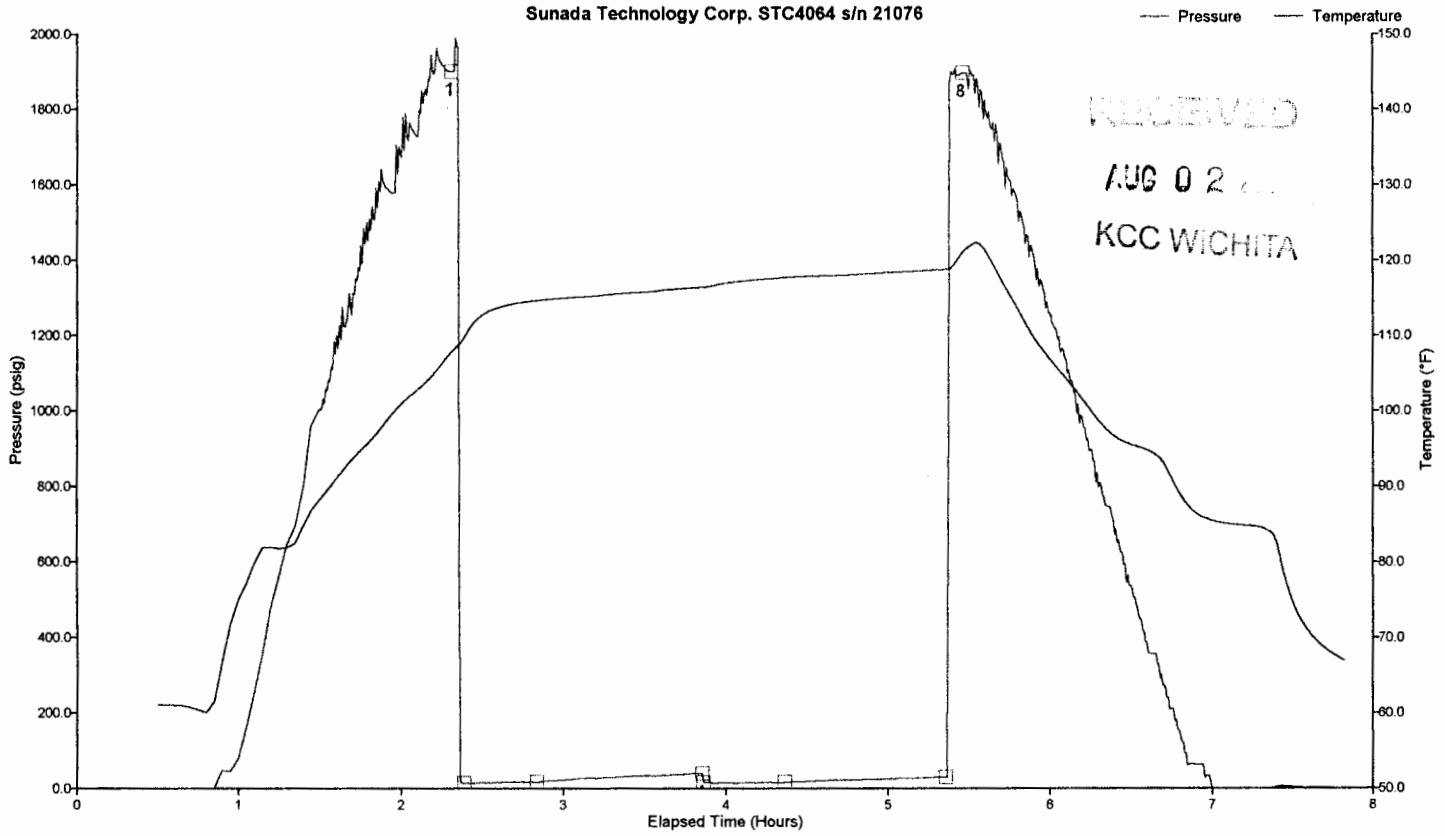
Sample Taken By ROGER D. FRIEDLY

Witness By Jerry A. Smith

Remarks Pit filtrate triton dish chlorides were 7,500 Ppm.  
Recovery filtrate triton dish chlorides were 8,000 Ppm.

Well LSD: DST #2 MISS. 4056'-4100'  
 Well Name: PREISSER 1 DST 2  
 Company: L D DRILLING INC  
 Battery on: May 26, 2002 at 04:03:00

Notes: RECOVERED 20' DM WITH A FEW OIL SPECKS IN TOOL. 170' GIP

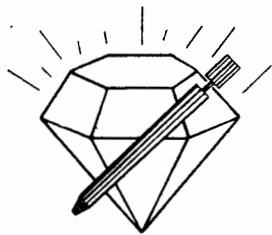


Tag	Pressure	Temperature	Comment
1	1900.45 psig	107.82 °F	2002-05-26 06:22:00
2	12.81 psig	109.68 °F	2002-05-26 06:26:30
3	15.83 psig	114.61 °F	2002-05-26 06:53:30
4	38.67 psig	116.34 °F	2002-05-26 07:54:30
5	13.67 psig	116.35 °F	2002-05-26 07:55:00
6	15.41 psig	117.64 °F	2002-05-26 08:25:00
7	28.31 psig	118.74 °F	2002-05-26 09:24:30
8	1895.50 psig	121.11 °F	2002-05-26 09:31:00

COMPANY L. D. Drilling, Inc. IFAST AND WELL NO Preisser No. 1

SCC 77 TWD 77C

AGE 11W TEST NO. 2 DATE 5-26-02



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KCC WICHITA

Company L. D. Drilling, Inc. Lease & Well No. Preisser No. 1  
Elevation 1765 KB Formation Viola Effective Pay 10 Ft. Ticket No. 1634  
Date 5-27-02 Sec. 22 Twp. 27S Range 11W County Pratt State Kansas  
Test Approved By Jerry A. Smith Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,298 ft. to 4,340 ft. Total Depth 4,340 ft.  
Packer Depth 4,293 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,298 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

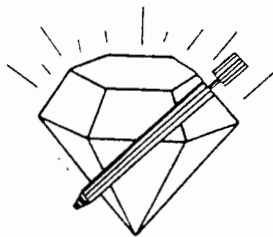
Top Recorder Depth (Inside) 4,284 ft. Recorder Number Elec. Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,337 ft. Recorder Number 13387 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 1 Drill Collar Length 150 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 12.8 cc. Drill Pipe Length 4,120 ft. I.D. 3 1/2 in.  
Chlorides 15,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 42 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.

1st Open: Weak, 1/2 in., blow increasing. Off bottom of bucket in 22 mins. Weak, intermittent, surface blow back during shut-in.  
2nd Open: Fair, 1 in., blow increasing. Off bottom of bucket in 12 3/4 mins. Weak, surface blow back throughout.

Recovered 250 ft. of gas in pipe  
Recovered 62 ft. of water & gas cut oily mud = .305040 bbls. (Grind out: 14%-water; 12%-gas; 20%-oil; 54%-mud)  
Recovered 31 ft. of water & oil cut gassy mud = .152520 bbls. (Grind out: 20%-water; 24%-oil; 26%-gas; 30%-mud)  
Recovered 31 ft. of oil & gas cut muddy water = .152520 bbls. (Grind out: 4%-oil; 4%-gas; 20%-mud; 72%-water)  
Recovered 124 ft. of TOTAL FLUID = .610080 bbls.  
Remarks Tool Sample Grind Out: 6%-oil; 94%-water

Time Set Packer(s) 9:06 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 12:51 ~~P.M.~~ <sup>P.M.</sup> Maximum Temperature 126°  
Initial Hydrostatic Pressure ..... (A) 2035 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 14 P.S.I. to (C) 45 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 1068 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 42 P.S.I. to (F) 70 P.S.I.  
Final Closed In Period ..... Minutes 90 (G) 1051 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2032 P.S.I.



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**FLUID SAMPLE DATA**

Company L. D. Drilling, Inc.

Lease & Well No. Preisser No. 1

Date 5-27-02 Sec. 22 Twp. 27 S Range 11 W

Formation Test No. 3 Interval Tested From 4,298 ft. to 4,340 ft. Total Depth 4,340 ft.

Formation Viola

	<u>MUD PIT</u>	<u>RECOVERY</u>	
Viscosity	<u>52</u> CP	<u>--</u> CP	
Weight	<u>9.2</u>	<u>--</u>	
Water Loss	<u>12.8</u> CC	<u>--</u> CC	
PH Factor	<u>8.5</u>	<u>--</u>	Water <u>6.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.14</u> @ <u>79</u> °F.	<u>45,000</u> ppm
Recovery Mud	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud Filtrate	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Mud Pit Sample	<u>.28</u> @ <u>79</u> °F.	<u>20,000</u> ppm
Mud Pit Sample Filtrate	<u>.32</u> @ <u>80</u> °F.	<u>17,500</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Jerry A. Smith

Remarks Pit filtrate triton dish chlorides were 15,000 Ppm.  
Recovery water dish chlorides were 36,000 Ppm.

DIAMOND TESTING

BOX 157

HOISINGTON, KS 67544

L. D. DRILLING, INC.

DST #3

PREISSER NO. 1

Page 3 of 7 Pages

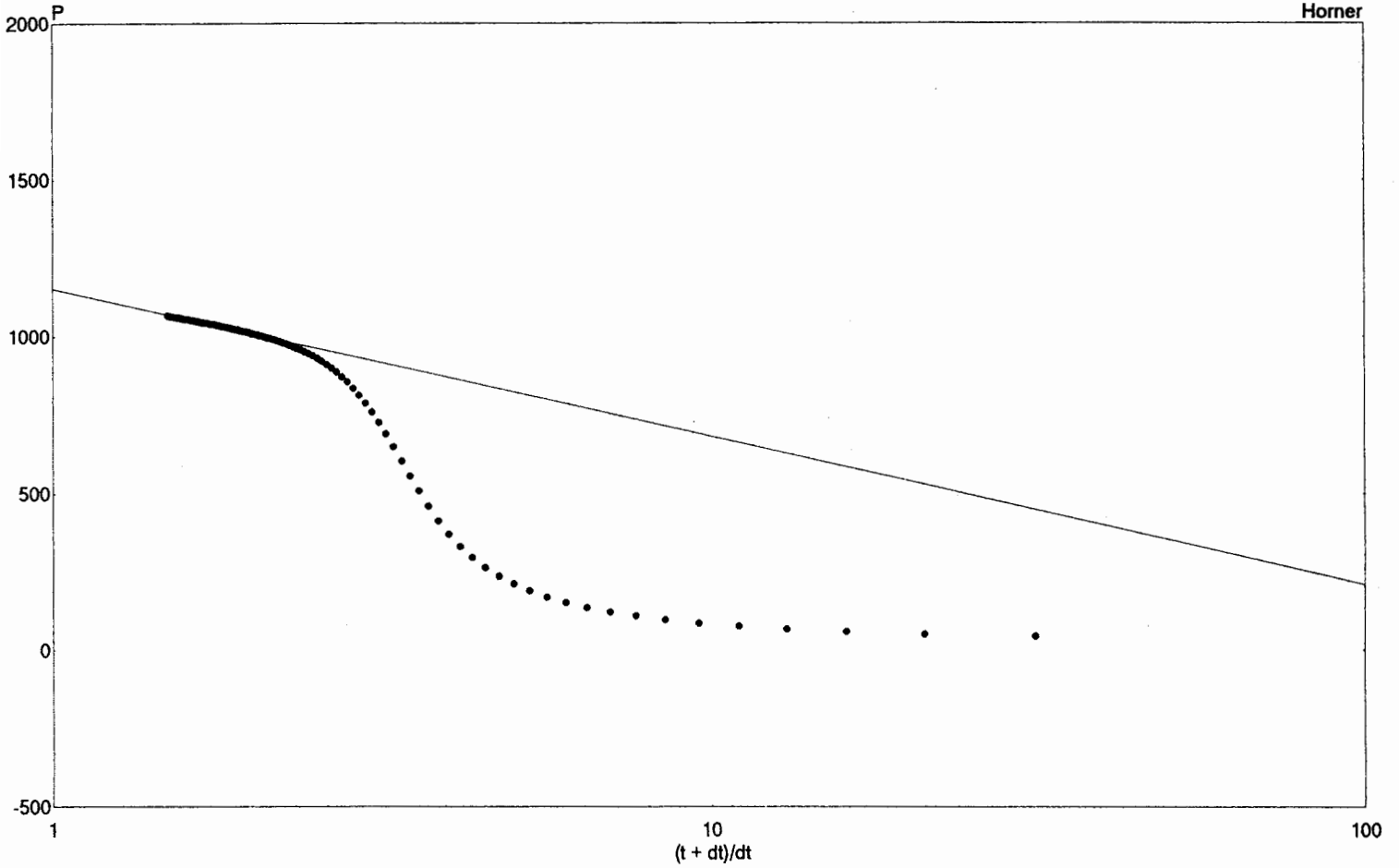
T E S T P A R A M E T E R S

DRILLPIPE CAPACITY	0.0142 BBL/FT	HOLE SIZE	7.875 IN
DRILLPIPE LENGTH	4120 FT	PAY THICKNESS	10 FT
WEIGHTPIPE CAPACITY	0.0000 BBL/FT	VISCOSITY	1.00 CP
WEIGHTPIPE LENGTH	0 FT	POROSITY FRACTION	.10
DRILLCOLLAR CAPACITY	0.0049 BBL/FT		
DRILLCOLLAR LENGTH	150 FT		
BOTTOM HOLE TEMP	126 DEG F	COMPRESSIBILITY	.00001 1/PSI
RECORDER NUMBER	21073	1ST FLOW TIME	30 MIN
RECORDER DEPTH	4284	1ST SHUT IN TIME	60 MIN
ELEVATION	1765 FT (KB)	2ND FLOW TIME	45 MIN
DATUM	-2519	2ND SHUT-IN TIME	90 MIN

C A L C U L A T I O N S

EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI) .....	1155.0
SLOPE (PSI/LOG CYCLE) .....	472.0
EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI) .....	1137.0
SLOPE (PSI/LOG CYCLE) .....	320.0
AVERAGE PRODUCTION RATE (BARRELS/DAY) .....	4.0
TRANSMISSIBILITY (MD.-FT./CP.) .....	2.03
FLOW CAPACITY (MD.-FT.) .....	2.03
PERMEABILITY (MD.) .....	0.203
PRODUCTIVITY INDEX (BARRELS/DAY/PSI) .....	0.0037
DAMAGE RATIO .....	0.6
PRODUCTION RATE WITH DAMAGED REMOVED (BARRELS/DAY) .....	4.0
SKIN FACTOR (S) .....	0.7
PRESSURE DROP DUE TO SKIN (PSI) .....	187.8
APPROXIMATE RADIUS OF INVESTIGATION (FT.) .....	3.9
DRAWDOWN FACTOR (%) .....	1.558
POTENTIOMETRIC SURFACE (FT.) .....	130.2

L.D. DRILLING, INC PREISSER 1 DST #3 VIOLA INITIAL SHUT-IN



L.D. DRILLING, INC PREISSER 1 DST #3 VIOLA INITIAL SHUT-IN

Analysis Results: Horner

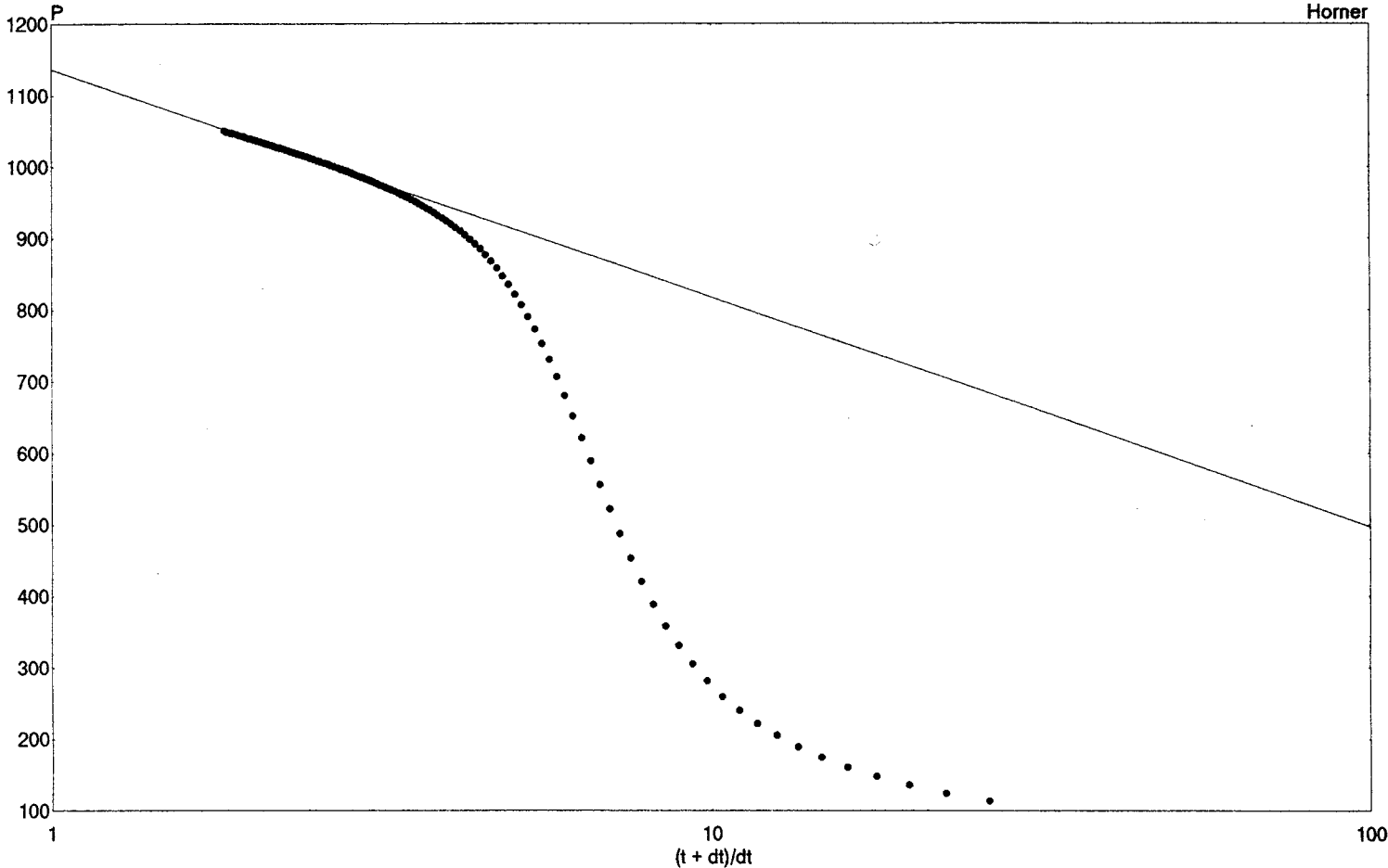
Parameters:

Slope = -471.561  
m(1 hr) = 1071.87  
Prd Time: = 0.5 hr

Calculated Values:

kh = 1.37897 md-ft  
k = 0.1379 md  
Skin = 5.16027  
P\* = 1154.9 psi

L.D. DRILLING, INC PREISSER 1 DST #3 VIOLA FINAL SHUT-IN



L.D. DRILLING, INC PREISSER 1 DST #3 VIOLA FINAL SHUT-IN

Analysis Results: Horner

Parameters:

- Slope = -319.987
- $m(1 \text{ hr}) = 1024.66$
- Prd Time: = 1.25 hr

Calculated Values:

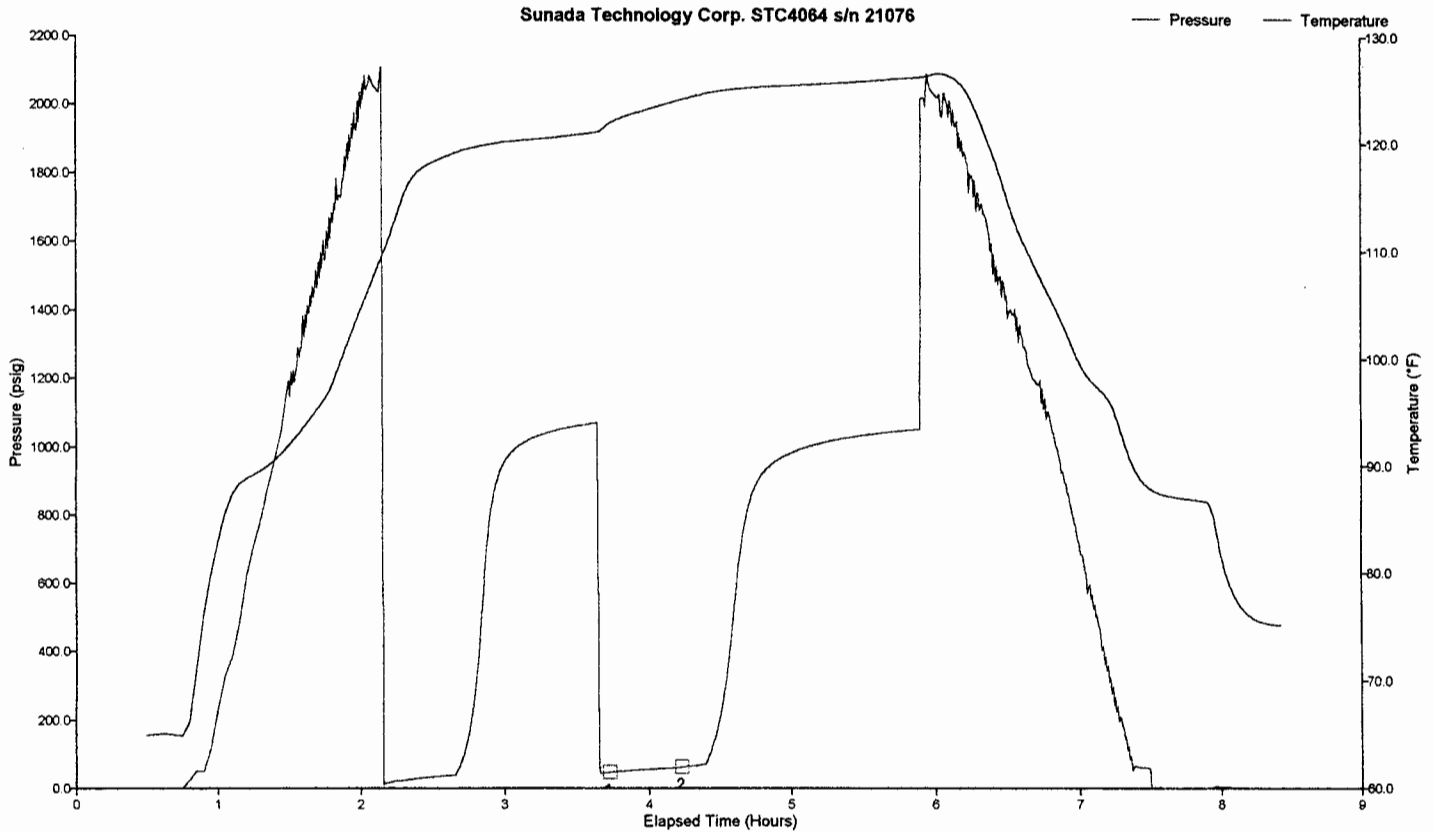
- $kh = 2.03218 \text{ md-ft}$
- $k = 0.20322 \text{ md}$
- Skin = 5.62182
- $P^* = 1137.4 \text{ psi}$

L.D. DRILLING, INC

DESCRIPTION	SECOND	FIRST	PRESSURE	PIPE	FLUID	TIME	TOTAL	DAILY
FINAL FLOW PERIOD	READING	READING	CHANGE	SIZE	GRADIENT	CHANGE	TIME	PRODUCTION
	61	45	16	0.0049	0.464	30	1440	8.110344828

PREISSER 1, DST 3 VIOLA 4298'-4340'

Well LSD: DST #3 VIOLA 4298'-4340'  
 Well Name: PREISSER 1 DST 3  
 Company: L D DRILLING INC  
 Battery on: May 27, 2002 at 06:57:00  
 Notes: RECOVERED 62' G&WCOM, 31' W&OCGM, 31' O&GCMW, WITH 250' GIP.



Tag	Pressure	Temperature	Comment
1	45.34 psig	121.84 °F	2002-05-27 10:41:00
2	60.93 psig	124.06 °F	2002-05-27 11:11:00

Well LSD: DST #3 VIOLA 4298'-4340'

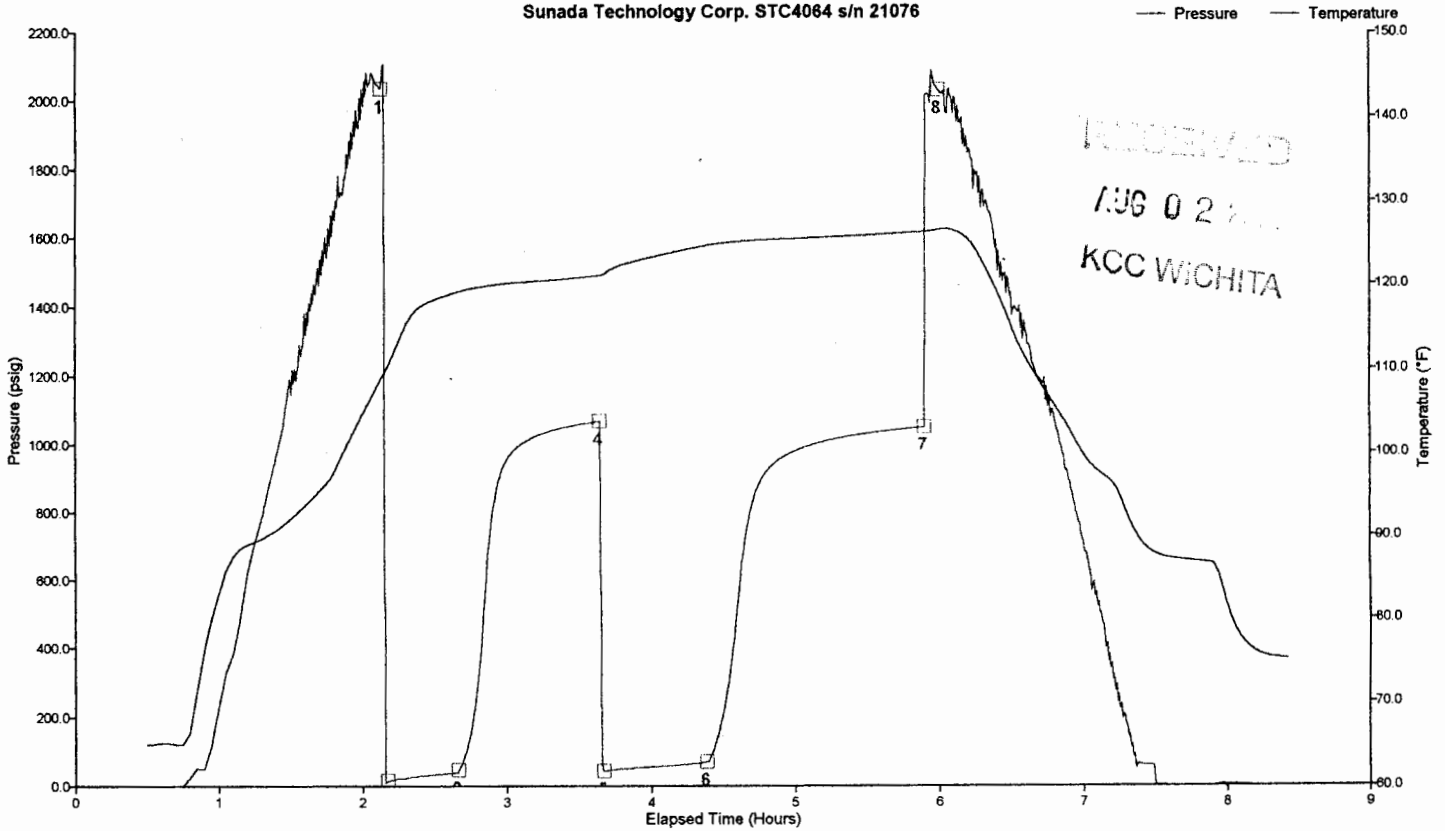
Well Name: PREISSER 1 DST 3

Company: L D DRILLING INC

Battery on: May 27, 2002 at 06:57:00

Notes: RECOVERED 62' G&WCOM, 31' W&OCGM, 31' O&GCMW, WITH 250' GIP.

Sunada Technology Corp. STC4064 s/n 21076



Tag	Pressure	Temperature	Comment
1	2034.84 psig	108.89 °F	2002-05-27 09:05:00
2	13.55 psig	110.21 °F	2002-05-27 09:07:30
3	44.74 psig	119.09 °F	2002-05-27 09:37:00
4	1068.07 psig	121.01 °F	2002-05-27 10:36:00
5	42.40 psig	121.16 °F	2002-05-27 10:37:30
6	69.59 psig	124.60 °F	2002-05-27 11:20:30
7	1050.80 psig	126.18 °F	2002-05-27 12:51:00
8	2032.33 psig	126.45 °F	2002-05-27 12:57:00