



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

Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
 Elevation 1840 KB Formation Lansing "B" - "E" Effective Pay Ft. Ticket No. 2559
 Date 4-28-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
 Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,650 ft. to 3,742 ft. Total Depth 3,742 ft.
 Packer Depth 3,645 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,650 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,638 ft. Recorder Number 1150 Cap. 5,000 psi
 Bottom Recorder Depth (Outside) 3,739 ft. Recorder Number 3815 Cap. 5,700 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 48 Weight Pipe Length ft. I.D. in.
 Weight 8.8 Water Loss 8.8 cc. Drill Pipe Length 3,625 ft. I.D. 3 1/2 in.
 Chlorides 3,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 29' perf. w/ 63' 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: Weak, 1/2 in., blow increasing. Off bottom of bucket in 8 mins. Weak, 1/2 in., blow back during shut-in.
 2nd Open: Weak, 1/2 in., blow increasing. Off bottom of bucket in 17 mins. Weak, 3/4 in., blow back during shut-in.

Recovered 352 ft. of gas in pipe
 Recovered 20 ft. of oil cut mud = .205200 bbls. (Grind out: 7%-oil; 93%-mud)
 Recovered 124 ft. of oil & gas cut muddy water = 1.272240 bbls. (Grind out: 2%-oil; 6%-gas; 41%-mud; 51%-water)
 Recovered 124 ft. of muddy water with oil specks = 1.272240 bbls. (Grind out: 13%-mud; 87%-water) Chlorides: 82,000 Ppm
 Recovered 268 ft. of TOTAL FLUID = 2.749680 bbls.
 Remarks Tool Sample Grind Out: 100%-salt water with oil specks

Time Set Packer(s)	<u>5:18</u>	<u>A.M.</u>	Time Started Off Bottom	<u>8:18</u>	<u>P.M.</u>	Maximum Temperature	<u>113°</u>
Initial Hydrostatic Pressure			(A)	<u>1726</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>14</u>	P.S.I. to (C)	<u>68</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1190</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>74</u>	P.S.I. to (F)	<u>135</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>1171</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1724</u>	P.S.I.		

Diamond Testing

Page 2 of 2 Pages
General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	JOANNE #1-20	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 LANS 'B-E' 3,650' - 3,742'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 20-26S-11W PRATT COUNTY	Report Date	2009/04/28
Well License Number		Prepared By	ROGEER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 LANS 'B-E' 3,650' - 3,742'		
Well Fluid Type	01 Oil	Start Test Time	02:54:00
		Final Test Time	10:10:00
Start Test Date	2009/04/28		
Final Test Date	2009/04/28		
Gauge Name	KUSTER #1150		
Gauge Serial Number			

Test Results

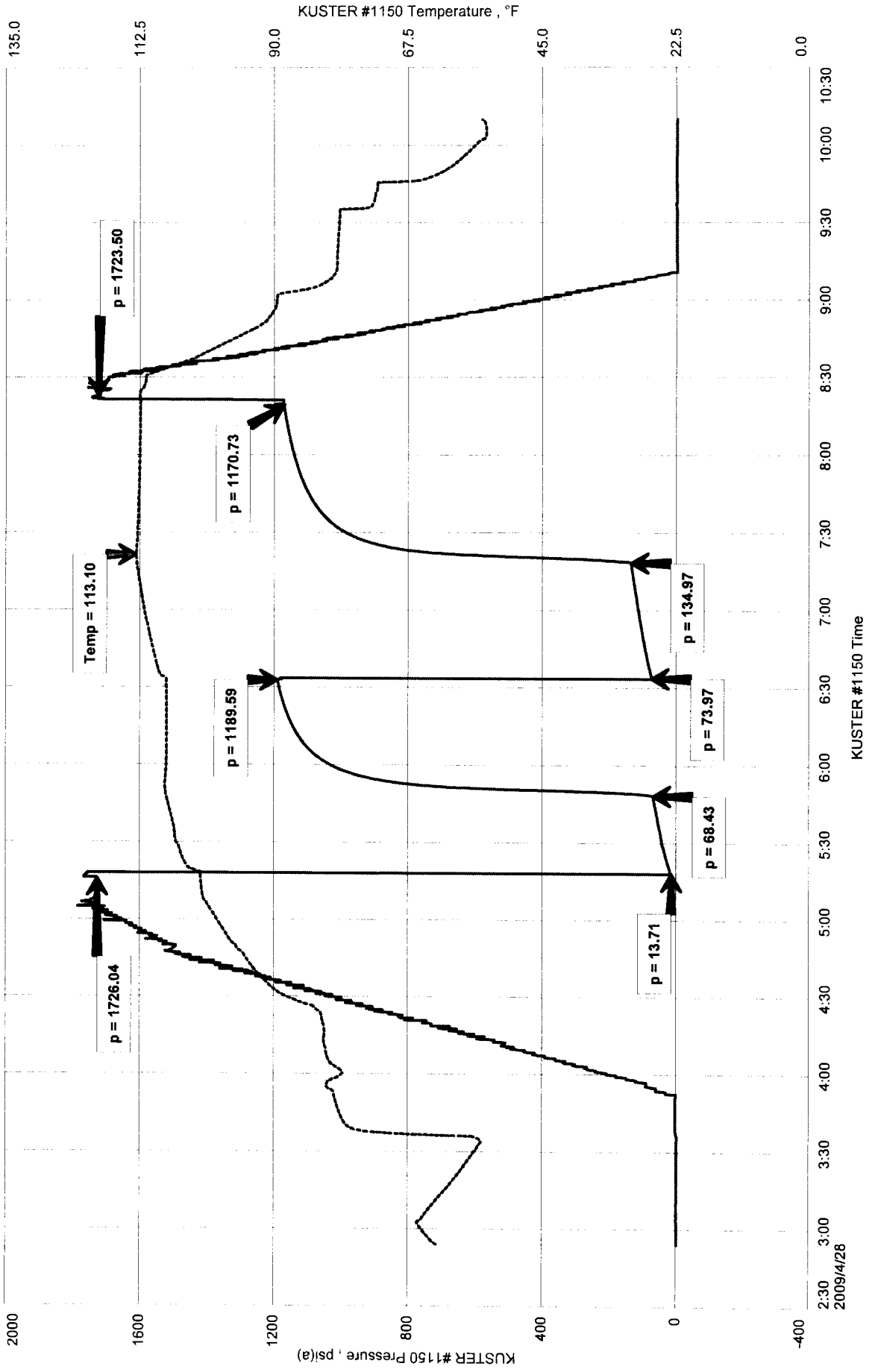
RECOVERED; 352' GAS IN PIPE
20' OCM 7% OIL, 93% MUD
124' O&GCMW 2% OIL, 6% GAS, 41% MUD, 51% WTR
124' MW 13% MUD, 87% WTR (CHLORIDES 82,000 Ppm
268' TOTAL FLUID

TOOL SAMPLE: 100% SW WITH OIL SPECKS

L.D. DRILLING INC.
DST #1 LANS 'B-E' 3,650' - 3,742'
Start Test Date: 2009/04/28
Final Test Date: 2009/04/28

JOANNE #1-20
Formation: DST #1 LANS 'B-E' 3,650' - 3,742'

JOANNE #1-20



DBT #1 3515. Outside
LKC 'B-E'

3650-3742
LOC 3739



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1726	1726		PSI
(B) First Initial Flow Pressure	14	14		PSI
(C) First Final Flow Pressure	68	68		PSI
(D) Initial Closed-in Pressure	1190	1190		PSI
(E) Second Initial Flow Pressure	74	74		PSI
(F) Second Final Flow Pressure	135	135		PSI
(G) Final Closed-in Pressure	1171	1171		PSI
(H) Final Hydrostatic Mud	1724	1724		PSI



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Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
Elevation 1840 KB Formation Lansing "H" Effective Pay Ft. Ticket No. 2560
Date 4-28-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3,784 ft. to 3,807 ft. Total Depth 3,807 ft.
Packer Depth 3,479 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,784 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,472 ft. Recorder Number 1150 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,804 ft. Recorder Number 3815 Cap. 5,700 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 41 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,757 ft. I.D. 3 1/2 in.
Chlorides 4,800 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 23 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 increasing to 10 ins. No blow back during shut-in.
2nd Open: Weak, 1/8 in., blow increasing to 10 ins. No blow back during shut-in.

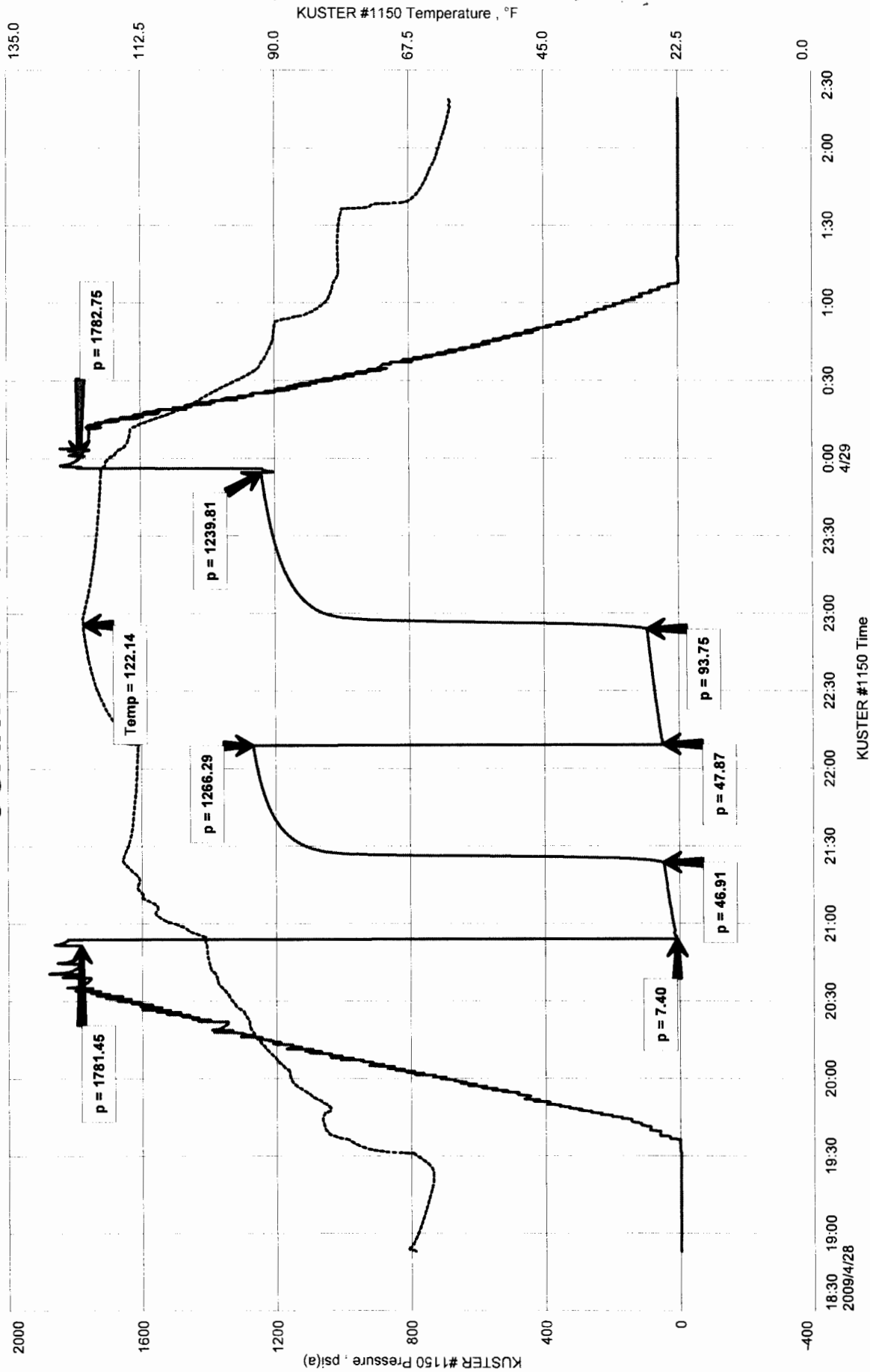
Recovered 120 ft. of gas in pipe
Recovered 1 ft. of clean oil = .010260 bbls.
Recovered 173 ft. of muddy water with a few oil specks = 1.774980 bbls. (Grind out: 10%-mud; 90%-water)
Recovered 174 ft. of TOTAL FLUID = 1.785240 bbls. Chlorides: 116,000 Ppm
Recovered ft. of
Remarks Tool Sample Grind Out: 100%-salt water with a few oil specks

Time Set Packer(s)	<u>8:54</u>	AM P.M.	Time Started Off Bottom	<u>11:54</u>	AM P.M.	Maximum Temperature	<u>122°</u>
Initial Hydrostatic Pressure			(A)	<u>1781</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>7</u>	P.S.I. to (C)	<u>47</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1266</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>48</u>	P.S.I. to (F)	<u>94</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>1240</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1783</u>	P.S.I.		

L.D. DRILLING, INC.
DST #2 LANS 'H' 3,784' - 3,807'
Start Test Date: 2009/04/28
Final Test Date: 2009/04/29

JOANNE #1-20
Formation: DST #2 LANS 'H' 3,784' - 3,807'

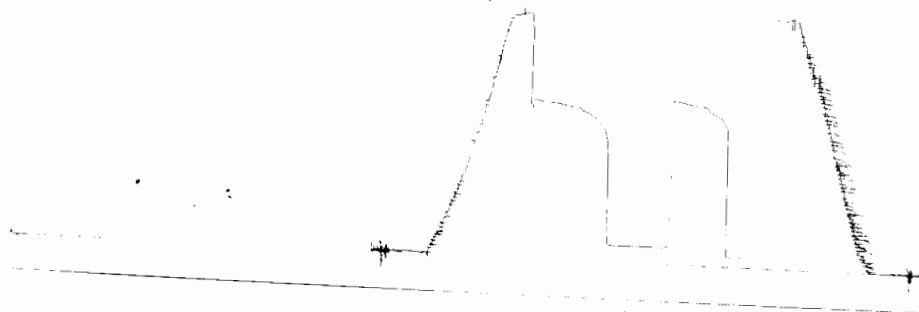
JOANNE #1-20



DST # 2 outside 3815

LCC H

3784-3807
LCC 3804



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1781	1781		PSI
(B) First Initial Flow Pressure	7	7		PSI
(C) First Final Flow Pressure	47	47		PSI
(D) Initial Closed-in Pressure	1266	1266		PSI
(E) Second Initial Flow Pressure	48	48		PSI
(F) Second Final Flow Pressure	94	94		PSI
(G) Final Closed-in Pressure	1240	1240		PSI
(H) Final Hydrostatic Mud	1783	1783		PSI



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Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
Elevation 1840 KB Formation Lansing "K" - "L" Effective Pay -- Ft. Ticket No. 2561
Date 4-29-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 3,875 ft. to 3,965 ft. Total Depth 3,965 ft.
Packer Depth 3,870 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,875 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,863 ft. Recorder Number 1150 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,962 ft. Recorder Number 3815 Cap. 5,700 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 9.1 Water Loss 18.0 cc. Drill Pipe Length 3,848 ft. I.D. 3 1/2 in.
Chlorides 12,000 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 27' perf. w/ 63' 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: Weak, 1/8 in., blow increasing to 3/4 in.; decreasing in 16 mins. to 1/2 in. at end. No blow back during shut-in.
2nd Open: Weak surface blow increasing to 1/2 in. No blow back during shut-in.

Recovered 10 ft. of drilling mud with a few oil specks = .102600 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 100%-drilling mud with a few oil specks

Time Set Packer(s) 5:16 ~~AM~~ P.M. Time Started Off Bottom 7:16 ~~AM~~ P.M. Maximum Temperature 109°
Initial Hydrostatic Pressure (A) 1846 P.S.I.
Initial Flow Period Minutes 30 (B) 8 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period Minutes 30 (D) 37 P.S.I.
Final Flow Period Minutes 30 (E) 13 P.S.I. to (F) 13 P.S.I.
Final Closed In Period Minutes 30 (G) 24 P.S.I.
Final Hydrostatic Pressure (H) 1846 P.S.I.

Diamond Testing

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General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	JOANNE #1-20	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #3 LANS 'K-L' 3,875' - 3,965'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 20-26S-11W PRATT COUNTY	Report Date	2009/04/29
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 LANS 3,875' - 3,965'		
Well Fluid Type	01 Oil	Start Test Time	15:05:00
		Final Test Time	21:13:00
Start Test Date	2009/04/29		
Final Test Date	2009/04/29		
Gauge Name	KUSTER #1150		
Gauge Serial Number			

Test Results

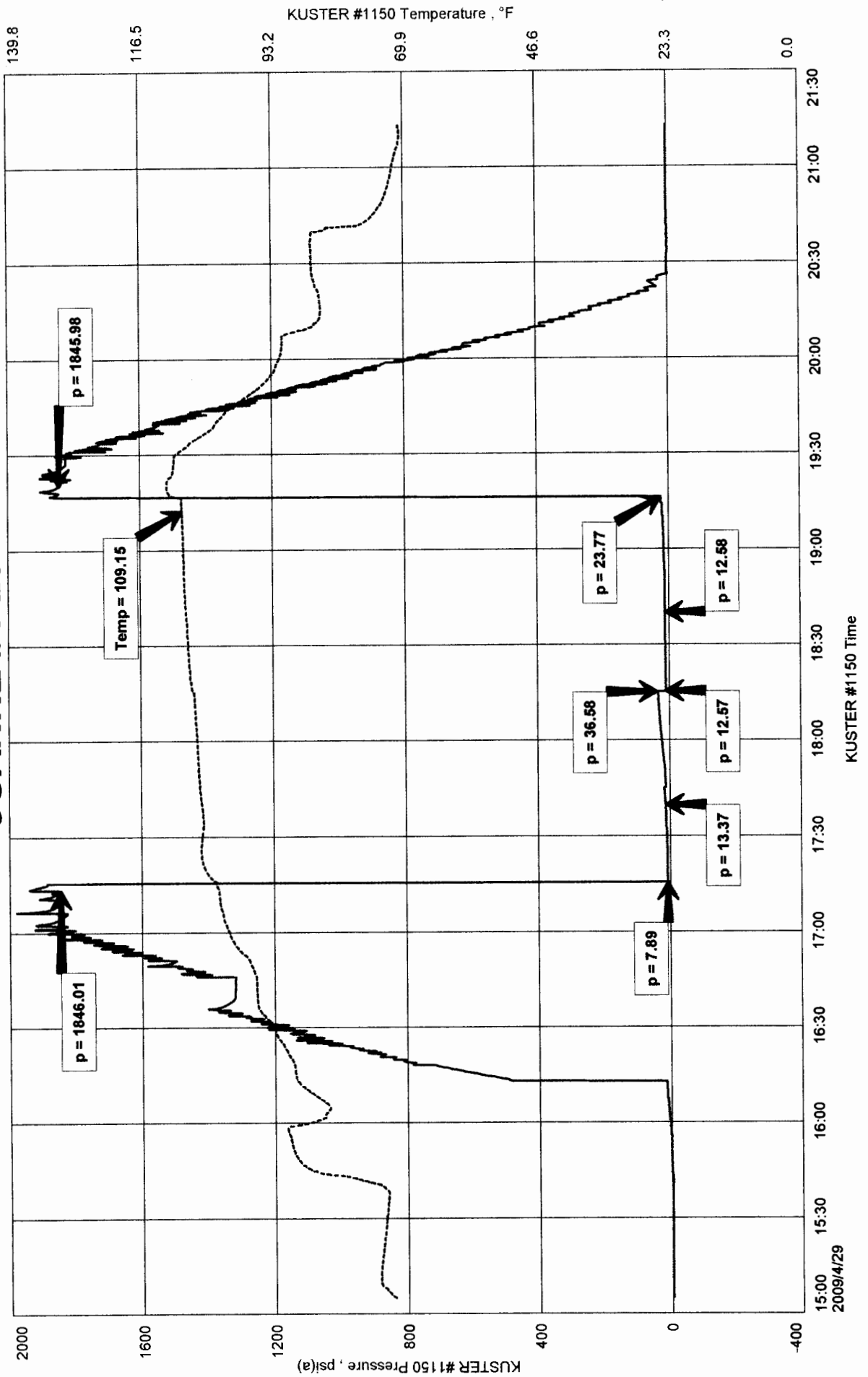
RECOVERED: 10' DM WITH A FEW OIL SPECKS

TOOL SAMPLE: 100% DM WITH A FES OIL SPECKS

JOANNE #1-20
 Formation: DST #3 LANS 3,875' - 3,965'

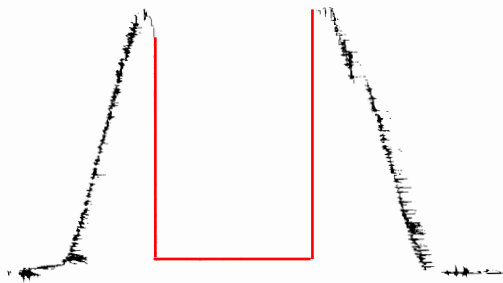
L.D. DRILLING, INC.
 DST #3 LANS 'K-L' 3,875' - 3,965'
 Start Test Date: 2009/04/29
 Final Test Date: 2009/04/29

JOANNE #1-20



DST # 3' Outside 3815
LKC 'K-L'

3895-3965.
LOC 3962



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1846	1846	PSI
(B) First Initial Flow Pressure.....	8	8	PSI
(C) First Final Flow Pressure	13	13	PSI
(D) Initial Closed-in Pressure	37	37	PSI
(E) Second Initial Flow Pressure.....	13	13	PSI
(F) Second Final Flow Pressure.....	13	13	PSI
(G) Final Closed-in Pressure.....	24	24	PSI
(H) Final Hydrostatic Mud.....	1846	1846	PSI

COMPANY L. D. Drilling, Inc. LEASE AND WELL NO. Joanne No. 1-20 SEC. 20 TWP. 26S RGE. 11W TEST NO. 3 DATE 4-29-01



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Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
Elevation 1840 KB Formation Mississippi Effective Pay Ft. Ticket No. 2562
Date 4-30-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 4,040 ft. to 4,114 ft. Total Depth 4,114 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) 4,028 ft. Recorder Number 1150 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,111 ft. Recorder Number 3815 Cap. 5,700 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 46 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 12.0 cc. Drill Pipe Length 4,013 ft. I.D. 3 1/2 in.
Chlorides 12,000 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 - JF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 43' 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: Fair, 1 in., blow increasing. Off bottom of bucket in 13 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 2 mins. No blow back during shut-in.

Recovered 590 ft. of gas in pipe
Recovered 25 ft. of drilling mud = .256500 bbls. (Grind out: 100%-mud)
Recovered 25 ft. of TOTAL FLUID = .256500 bbls.
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 100%-drilling mud with a few oil specks

Time Set Packer(s)	<u>12:23</u>	<u>AM.</u>	Time Started Off Bottom	<u>3:23</u>	<u>P.M.</u>	Maximum Temperature	<u>116°</u>
Initial Hydrostatic Pressure			(A)	<u>1930</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>11</u>	P.S.I. to (C)	<u>15</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>176</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>13</u>	P.S.I. to (F)	<u>15</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>310</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1929</u>	P.S.I.		

Diamond Testing

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	JOANNE #1-20	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 MISS 4,040' - 4,114'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 20-26S-11W PRATT COUNTY	Report Date	2009/04/30
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	10:31:00
Formation	DST #4 MISS 4,040' - 4,114'	Final Test Time	17:21:00
Well Fluid Type			
Start Test Date	2009/04/30		
Final Test Date	2009/04/30		
Gauge Name	1150		
Gauge Serial Number			

Test Results

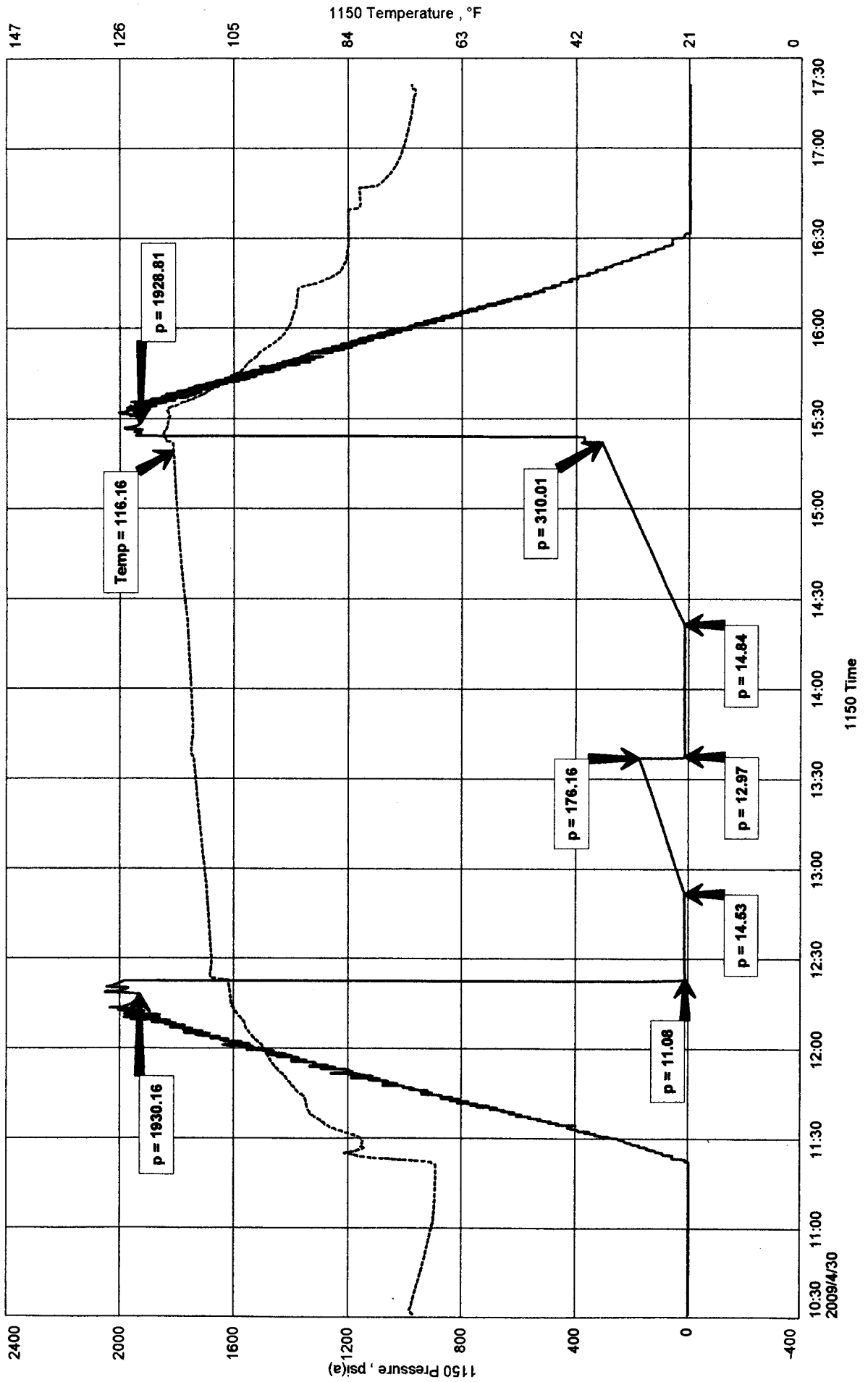
RECOVERED: 590' GAS IN PIPE
25' DM 100% MUD

TOOL SAMPLE: 100% DM WITH A FEW OIL SPECKS

L.D. DRILLING, INC.
DST #4 MISS 4,040' - 4,114'
Start Test Date: 2009/04/30
Final Test Date: 2009/04/30

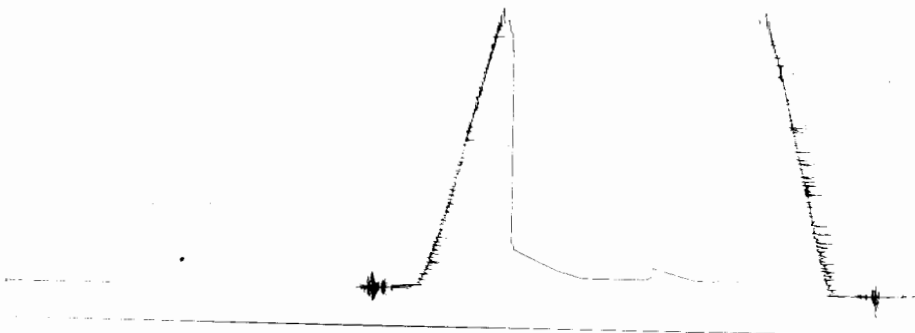
JOANNE #1-20
Formation: DST #4 MISS 4,040' - 4,114'

JOANNE #1-20



DST #4 - Outside 3815
Miss

4040-4114
LOC 4111



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	1930	1930	PSI
(B) First Initial Flow Pressure.....	11	11	PSI
(C) First Final Flow Pressure	15	15	PSI
(D) Initial Closed-in Pressure	176	176	PSI
(E) Second Initial Flow Pressure	13	13	PSI
(F) Second Final Flow Pressure.....	15	15	PSI
(G) Final Closed-in Pressure.....	310	310	PSI
(H) Final Hydrostatic Mud	1929	1929	PSI



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Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
Elevation 1840 KB Formation Viola Effective Pay Ft. Ticket No. 2563
Date 5-1-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 4,270 ft. to 4,292 ft. Total Depth 4,292 ft.
Packer Depth 4,265 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,270 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,251 ft. Recorder Number 1150 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,289 ft. Recorder Number 3815 Cap. 5,700 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 58 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 12.8 cc. Drill Pipe Length 4,238 ft. I.D. 3 1/2 in.
Chlorides 9,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 22 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 in., blow increasing. Off bottom of bucket in 5 1/2 mins. Weak surface blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket immediately. Weak surface blow back during shut-in.

Recovered 2,350 ft. of gas in pipe
Recovered 10 ft. of drilling mud = .102600 bbls.
Recovered 10 ft. of TOTAL FLUID = .102600 bbls.
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 100%-drilling mud with a few oil specks

Time Set Packer(s) 2:05 ^{AM} P.M. Time Started Off Bottom 5:05 ^{AM} P.M. Maximum Temperature 121°
Initial Hydrostatic Pressure (A) 2101 P.S.I.
Initial Flow Period Minutes 30 (B) 8 P.S.I. to (C) 9 P.S.I.
Initial Closed In Period Minutes 45 (D) 769 P.S.I.
Final Flow Period Minutes 45 (E) 7 P.S.I. to (F) 9 P.S.I.
Final Closed In Period Minutes 60 (G) 818 P.S.I.
Final Hydrostatic Pressure (H) 2105 P.S.I.

Diamond Testing

Page 2 of 2 Pages
General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	JOANNE #1-20	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #5 VIOLA 4,270' - 4,292'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 20-28S-11W PRATT COUNTY	Report Date	2009/05/01
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #5 VIOLA 4,270' - 4,292'		
Well Fluid Type	O2 Gas	Start Test Time	12:05:00
		Final Test Time	19:11:00
Start Test Date	2009/05/01		
Final Test Date	2009/05/01		
Gauge Name	1150		
Gauge Serial Number			

Test Results

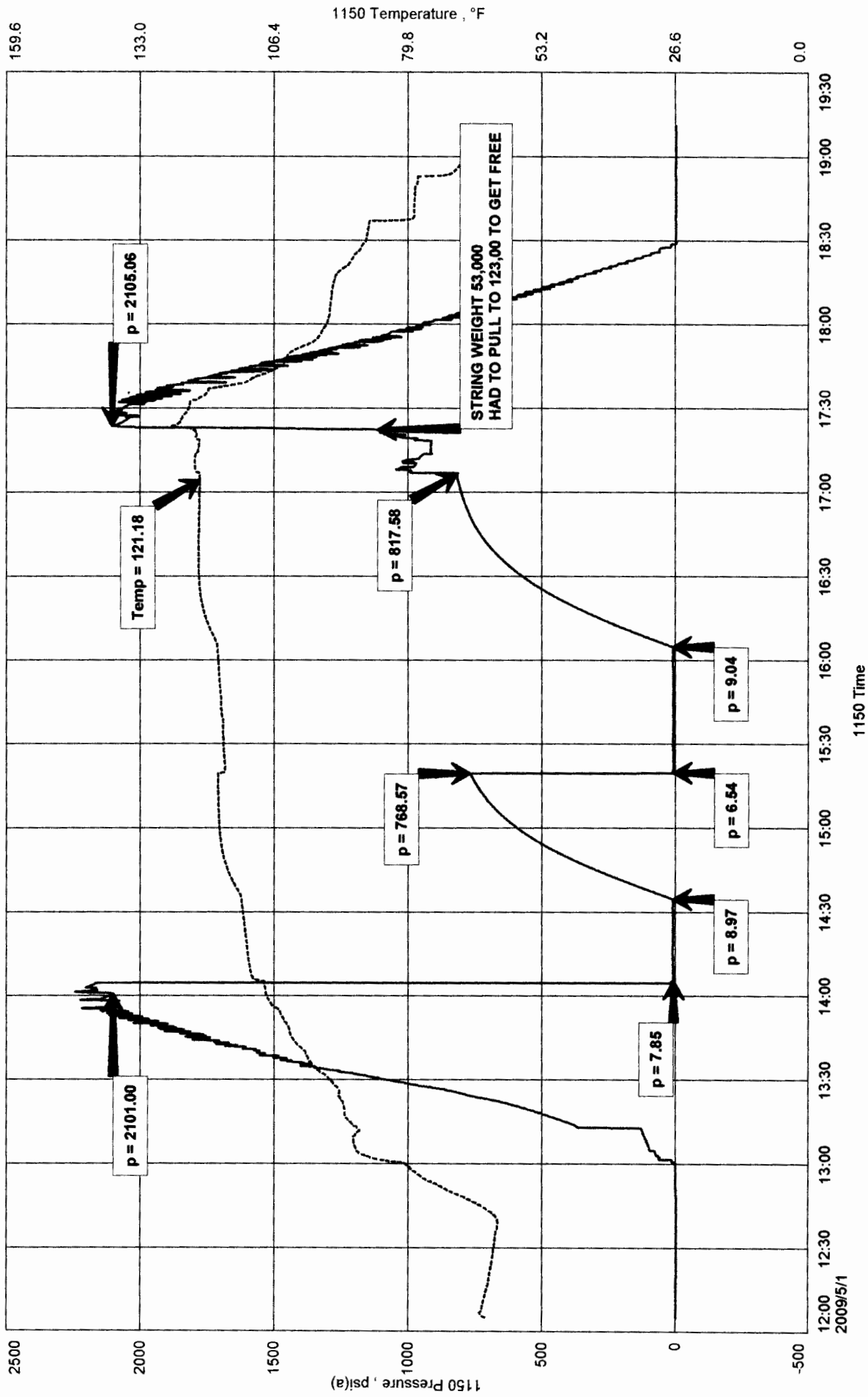
RECOVERED: 2,350' GAS IN PIPE
10' DM

TOOL SAMPLE: 100% DM WITH A FEW OIL SPECKS

L.D. DRILLING, INC.
 DST #5 VIOLA 4,270' - 4,292'
 Start Test Date: 2009/05/01
 Final Test Date: 2009/05/01

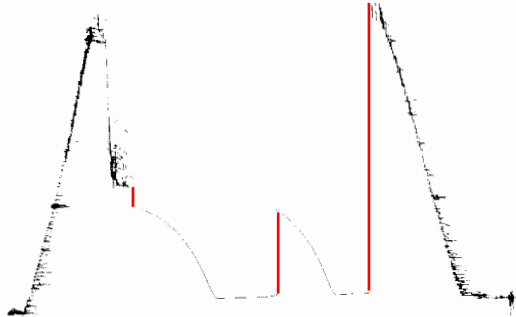
JOANNE #1-20
 Formation: DST #5 VIOLA 4,270' - 4,292'

JOANNE #1-20



DST # 5 outside 3815
Viola

4270 - 4272
LOI 4289



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2101	2101	PSI
(B) First Initial Flow Pressure.....	8	8	PSI
(C) First Final Flow Pressure	9	9	PSI
(D) Initial Closed-in Pressure	769	769	PSI
(E) Second Initial Flow Pressure	7	7	PSI
(F) Second Final Flow Pressure.....	9	9	PSI
(G) Final Closed-in Pressure.....	818	818	PSI
(H) Final Hydrostatic Mud	2105	2105	PSI

COMPANY L. D. Drilling, Inc. LEASE AND WELL NO. Joanne No. 1-20 SEC. 20 TWP. 26S RGE. 11W TEST NO. 5 DATE 5-1-05



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

Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
Elevation 1840 KB Formation Viola Effective Pay -- Ft. Ticket No. 2564
Date 5-2-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 6 Interval Tested from 4,278 ft. to 4,297 ft. Total Depth 4,297 ft.
Packer Depth 4,273 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,278 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 4,259 ft. Recorder Number 1150 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,294 ft. Recorder Number 3815 Cap. 5,700 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 58 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.2 Water Loss 12.8 cc. Drill Pipe Length 4,246 ft. I.D. 3 1/2 in.
Chlorides 9,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number 3 Anchor Length 19 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 in., blow increasing. Off bottom of bucket. Weak surface blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket immediately. Weak surface blow back during shut-in.

Recovered 3,515 ft. of gas in pipe
Recovered 40 ft. of slightly water cut mud with a few oil specks = .410400 bbls. (Grind out: 2%-water; 98%-mud)
Recovered 42 ft. of oil cut watery mud = .430920 bbls. (Grind out: 1%-oil; 34%-water; 65%-mud) Chlorides: 31,000 Ppm
Recovered 82 ft. of TOTAL FLUID = .841320 bbls.
Recovered ft. of

Remarks Tool Sample Grind Out: Blew out when tool was opened.

Time Set Packer(s) 2:57 ~~XXX~~ ^{A.M.} Time Started Off Bottom 5:57 ~~XXX~~ ^{A.M.} Maximum Temperature 121°
Initial Hydrostatic Pressure (A) 2061 P.S.I.
Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 26 P.S.I.
Initial Closed In Period Minutes 45 (D) 859 P.S.I.
Final Flow Period Minutes 45 (E) 29 P.S.I. to (F) 40 P.S.I.
Final Closed In Period Minutes 60 (G) 856 P.S.I.
Final Hydrostatic Pressure (H) 2058 P.S.I.

Diamond Testing

Page 2 of 2 Pages
General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	JOANNE #1-20	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #6 VIOLA 4,278' - 4,297'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 20-26S-11W PRATT COUNTY	Report Date	2009/05/02
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #6 VIOLA 4,278' - 4,297'		
Well Fluid Type		Start Test Time	01:00:00
		Final Test Time	08:41:00
Start Test Date	2009/05/02		
Final Test Date	2009/05/02		
Gauge Name	1150		
Gauge Serial Number			

Test Results

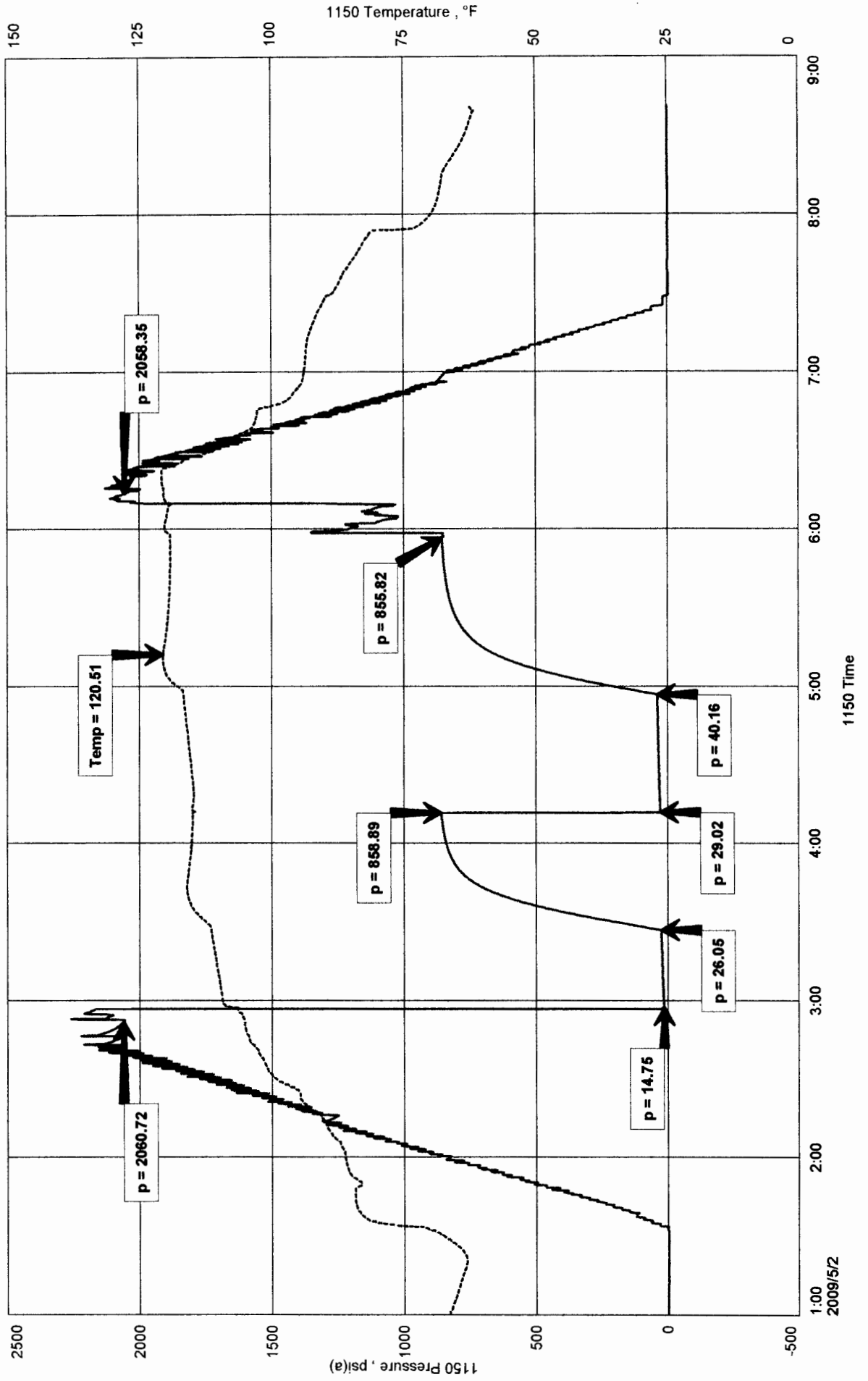
RECOVERED: 3,515' GAS IN PIPE
40' SLTWCM 2% WTR, 98% MUD
42' OCWM 1% OIL, 34% WTR, 65% MUD
82' TOTOAL FLUID

TOOL SAMPLE: BLEW OUT WHEN TOOL WAS OPENED

L.D. DRILLING, INC.
DST #6 VIOLA 4,278' - 4,297'
Start Test Date: 2009/05/02
Final Test Date: 2009/05/02

JOANNE #1-20
Formation: DST #6 VIOLA 4,278' - 4,297'

JOANNE #1-20



DST # 6 outside 3815
Viola

4278-4297
200 4294



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2061	2061	PSI
(B) First Initial Flow Pressure.....	15	15	PSI
(C) First Final Flow Pressure	26	26	PSI
(D) Initial Closed-in Pressure	859	859	PSI
(E) Second Initial Flow Pressure.....	29	29	PSI
(F) Second Final Flow Pressure.....	40	40	PSI
(G) Final Closed-in Pressure.....	856	856	PSI
(H) Final Hydrostatic Mud.....	2058	2058	PSI



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

Company L. D. Drilling, Inc. Lease & Well No. Joanne No. 1-20
Elevation 1840 KB Formation Viola Effective Pay -- Ft. Ticket No. 2565
Date 5-2-09 Sec. 20 Twp. 26S Range 11W County Pratt State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 7 Interval Tested from 4,290 ft. to 4,302 ft. Total Depth 4,302 ft.
Packer Depth 4,285 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,290 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,271 ft. Recorder Number 1150 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,299 ft. Recorder Number 3815 Cap. 5,700 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 46 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.4 Water Loss 22.4 cc. Drill Pipe Length 4,258 ft. I.D. 3 1/2 in.
Chlorides 24,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number 3 Anchor Length 12 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 in., blow increasing. Off bottom of bucket in 4 3/4 mins. 1/8 in. blow back during shut-in.
2nd Open: Good, 2 in., blow increasing. Off bottom of bucket in 1 min. 1/8 in. blow back during shut-in.

Recovered 1,965 ft. of gas in pipe
Recovered 40 ft. of watery mud with a few oil specks = .410400 bbls. (Grind out: 4%-water; 96%-mud)
Recovered 42 ft. of oil cut watery mud = .430920 bbls. (Grind out: 2%-oil; 48%-water; 50%-mud) Chlorides: 31,000 Ppm
Recovered 82 ft. of TOTAL FLUID = .841320 bbls.
Recovered ft. of

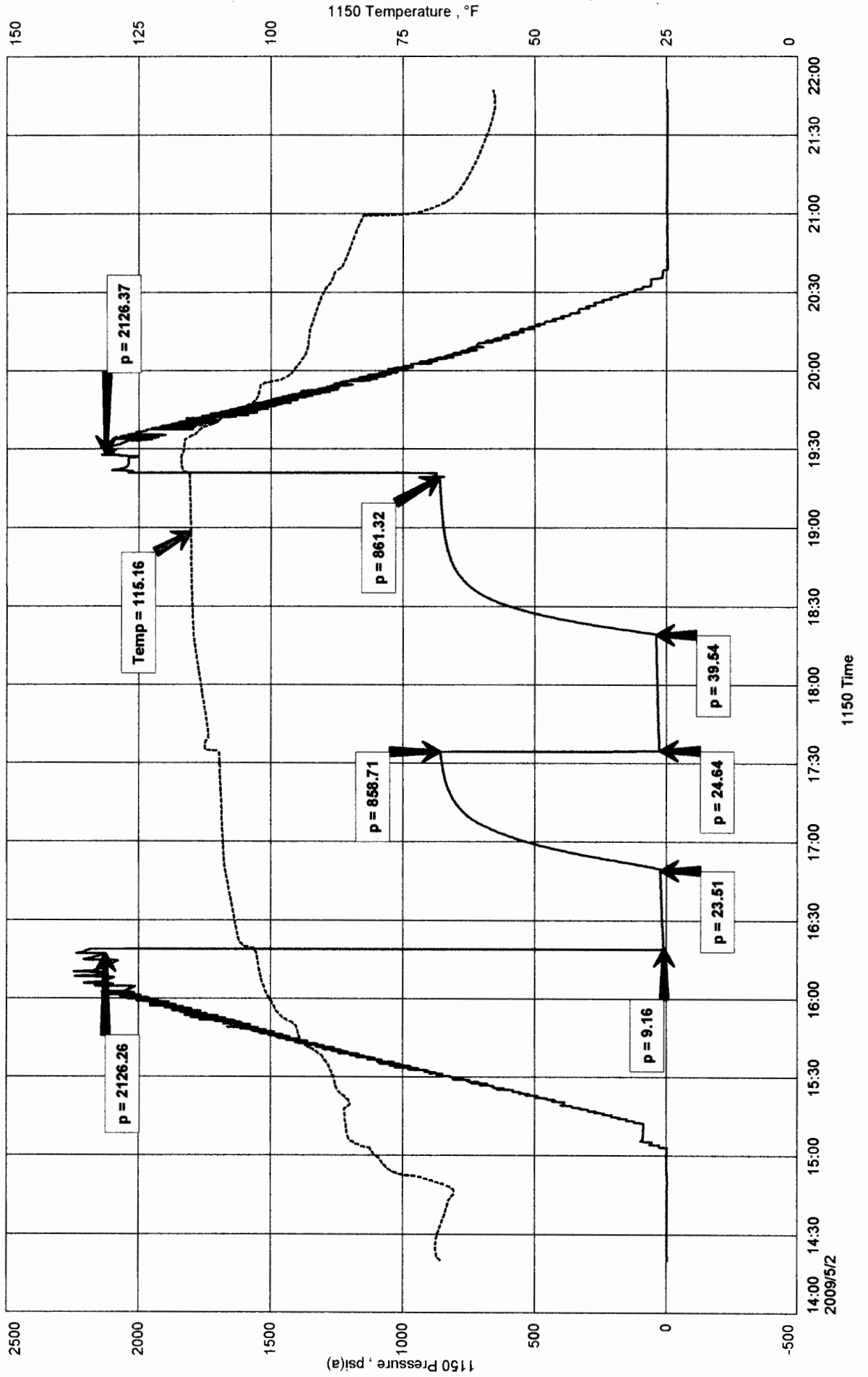
Remarks Tool Sample Grind Out: Blew out when tool was opened.

Time Set Packer(s) 4:19 ~~AM~~ ^{PM} Time Started Off Bottom 7:19 ~~AM~~ ^{PM} Maximum Temperature 115°
Initial Hydrostatic Pressure (A) 2126 P.S.I.
Initial Flow Period Minutes 30 (B) 9 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period Minutes 45 (D) 859 P.S.I.
Final Flow Period Minutes 45 (E) 25 P.S.I. to (F) 40 P.S.I.
Final Closed In Period Minutes 60 (G) 861 P.S.I.
Final Hydrostatic Pressure (H) 2126 P.S.I.

L.D. DRILLING, INC.
 DST #7 VIOLA 4,290' - 4,302'
 Start Test Date: 2009/05/02
 Final Test Date: 905/02/01

JOANNE #1-20
 Formation: DST #7 VIOLA 4,290' - 4,302'

JOANNE #1-20



Diamond Testing

Page 2 of 2 Pages
General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	JOANNE #1-20	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #7 VIOLA 4,290' - 4,302'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEV 20-26S-11W PRATT COUNTY	Report Date	2009/05/02
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #7 VIOLA 4,290' - 4,302'		
Well Fluid Type	02 Gas	Start Test Time	14:20:00
		Final Test Time	21:47:00
Start Test Date	2009/05/02		
Final Test Date			
Gauge Name	1150		
Gauge Serial Number			

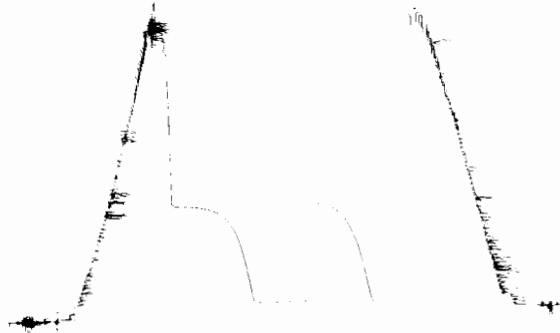
Test Results

RECOVERED: 1,965' GAS IN PIPE
40' WM 4% WTR, 96% MUD - FEW OIL SPECKS
42' OCWM 2% OIL, 48% WTR, 50% MUD (CHLORIDES 31,000 Ppm)
82' TOTAL FLUID

TOOL SAMPLE: BLEW OUT WHEN TOOL WAS OPENED.

DSI #7 outside 3815
Viola

4296 - 4302
LOL 4299



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	2126	2126	PSI
(B) First Initial Flow Pressure	9	9	PSI
(C) First Final Flow Pressure	24	24	PSI
(D) Initial Closed-in Pressure	859	859	PSI
(E) Second Initial Flow Pressure	25	25	PSI
(F) Second Final Flow Pressure	40	40	PSI
(G) Final Closed-in Pressure	861	861	PSI
(H) Final Hydrostatic Mud	2126	2126	PSI

COMPANY L. D. Drilling, Inc. LEASE AND WELL NO. Joanne No. 1-20 SEC. 20 TWP. 26S RGE. 11W TEST NO. 7 DATE 5-2-09