

**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D090

Company L. D. Drilling, Inc. Lease & Well No. Stan No. 2-10  
Elevation 1847 KB Formation Lansing Effective Pay      -- Ft. Ticket No. R090  
Date 5-2-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas  
Test Approved By David Barker Diamond Representative Randy Williams  
Formation Test No. 1 Interval Tested from 3,220 ft. to 3,325 ft. Total Depth 3,325 ft.  
Packer Depth 3,215 ft. Size 6 3/4 in. Packer Depth      -- ft. Size      -- in.  
Packer Depth 3,220 ft. Size 6 3/4 in. Packer Depth      -- ft. Size      -- in.  
Depth of Selective Zone Set      ft.  
Top Recorder Depth (Inside) 3,203 ft. Recorder Number 30037 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,322 ft. Recorder Number 13386 Cap. 3,875 psi  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi  
Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 65 Weight Pipe Length      -- ft. I.D.      -- in.  
Weight 8.8 Water Loss 8.8 cc. Drill Pipe Length 3,067 ft. I.D. 3 1/2 in.  
Chlorides 2,000 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number 1 Anchor Length 43' perf. w/ 62' 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 blow, building to 5 ins. in 30 mins. No blow back during shut-in.  
2nd Open: Fair blow, building to 10 ins. in 45 mins. No blow back during shut-in.

Recovered 62 ft. of oil specked mud = .305040 bbls. (Grind out: 4%-oil; 96%-mud)  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Remarks Tool Sample Grind Out: 6%-oil; 94%-mud

Time Set Packer(s)	<u>6:00</u>	<u>A.M.</u>	Time Started Off Bottom	<u>9:45</u>	<u>A.M.</u>	Maximum Temperature	<u>101°</u>
Initial Hydrostatic Pressure	(A)	<u>1517</u>				P.S.I.	
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>7</u>	P.S.I. to (C)	<u>20</u>	P.S.I.
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>291</u>		P.S.I.	
Final Flow Period	Minutes	<u>45</u>	(E)	<u>26</u>	P.S.I. to (F)	<u>36</u>	P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>390</u>		P.S.I.	
Final Hydrostatic Pressure	(H)	<u>1512</u>				P.S.I.	

# DIAMOND TESTING

## General Information

Company Name L.D.DRILLING, INC

Contact L.D.DAVIS  
Well Name STAN # 2-10  
Unique Well ID DST # 1 KC 3220-3325  
Surface Location SEC 10-21S-12W STAFFORD COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number R090  
Representative RANDY WILLIAMS  
Well Operator L.D.DRILLING, INC  
Report Date 2010/05/02  
Prepared By RANDY WILLIAMS

## Test Information

Test Type  
Formation DST # 1 LANSING 3220-3325  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 04:20:00  
Final Test Time 11:37:00

Start Test Date 2010/05/02  
Final Test Date 2010/05/02

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 62' OIL SPECED MUD, 4% OIL, 96% MUD

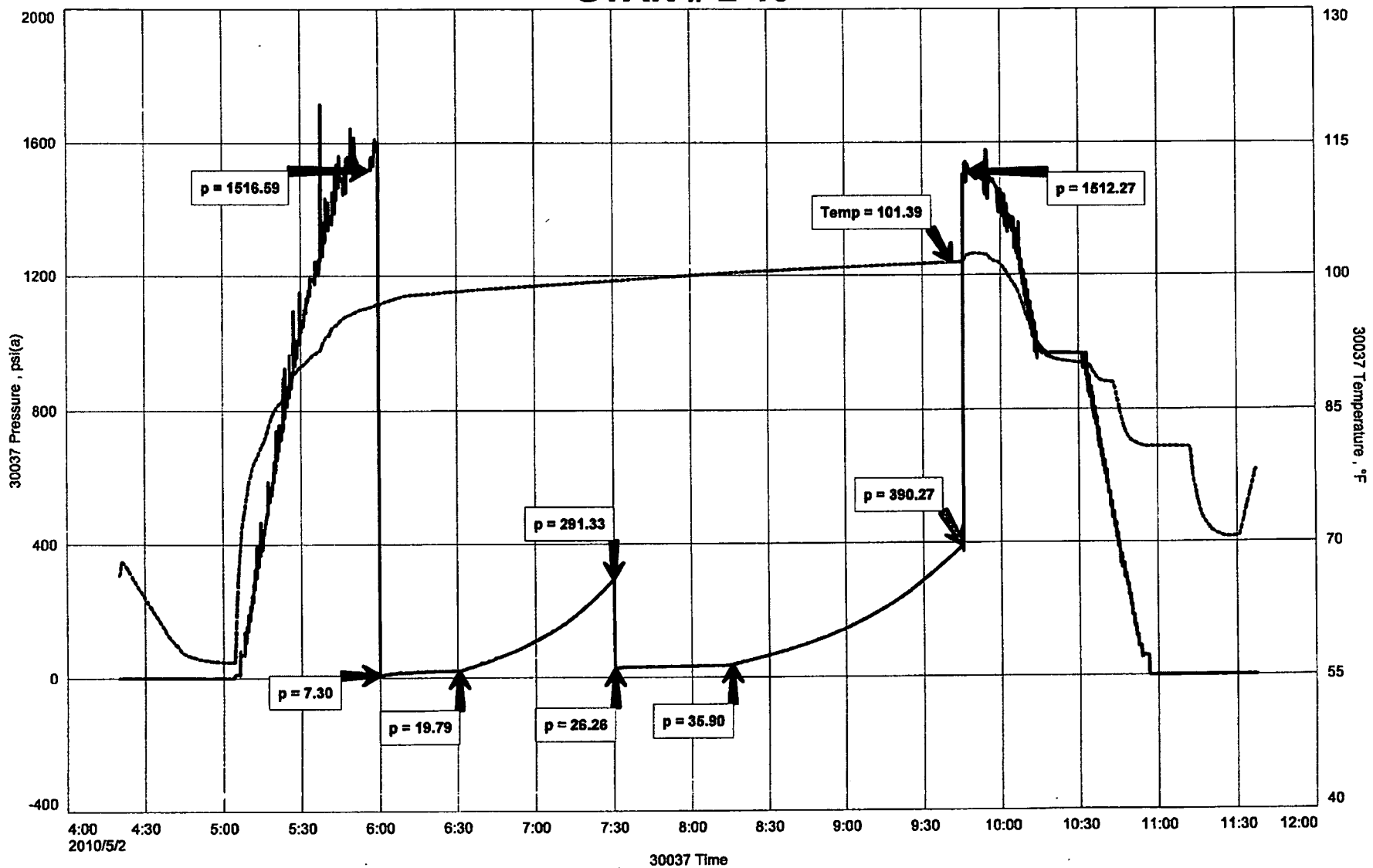
TOTAL FLUID: 62'

TOOL SAMPLE: 6% OIL, 94% MUD

L.D.DRILLING, INC  
DST # 1 KC 3220-3325  
Start Test Date: 2010/05/02  
Final Test Date: 2010/05/02

Formation: DST # 1  
STAN # 2-10  
LANSING 3220-3325  
Pool: WILDCAT  
Job Number: R090

# STAN # 2-10





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D091

Company L. D. Drilling, Inc. Lease & Well No. Stan No. 2-10

Elevation 1847 KB Formation Lansing "H" - "K" Effective Pay -- Ft. Ticket No. R091

Date 5-2-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By David Barker Diamond Representative Randy Williams

Formation Test No. 2 Interval Tested from 3,349 ft. to 3,425 ft. Total Depth 3,425 ft.

Packer Depth 3,344 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,349 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,332 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,422 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 62 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 9.6 cc. Drill Pipe Length 3,196 ft. I.D. 3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 44' perf. w/ 32' 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 blow, building. Off bottom of bucket in 16 mins. No blow back during shut-in.

2nd Open: Fair blow, building. Off bottom of bucket in 12 mins. Weak surface blow back during shut-in.

Recovered 90 ft. of oil & water cut mud = 1.262080 bbls. (Grind out: 20%-oil; 25%-water; 55%-mud)

Recovered 120 ft. of slightly gassy, oily mud cut water = .590400 bbls. (Grind out: 4%-gas; 6%-oil; 20%-mud; 70%-water)

Recovered 210 ft. of TOTAL FLUID = 1.852480 bbls. Chlorides: 62,000 Ppm PH: 7.0 RW: .1 @ 68°

Recovered          ft. of         

Recovered          ft. of         

Remarks Tool Sample Grind Out: 6%-oil; 94%-mud

Time Set	Packer(s)	Time Started	Off Bottom	Maximum Temperature
	<u>10:03</u>	<u>1:03</u>		<u>104°</u>
Initial Hydrostatic Pressure		(A) <u>1591</u>		P.S.I.
Initial Flow Period	Minutes <u>30</u>	(B) <u>15</u>		P.S.I. to (C) <u>76</u> P.S.I.
Initial Closed In Period	Minutes <u>60</u>	(D) <u>1084</u>		P.S.I.
Final Flow Period	Minutes <u>30</u>	(E) <u>76</u>		P.S.I. to (F) <u>100</u> P.S.I.
Final Closed In Period	Minutes <u>60</u>	(G) <u>951</u>		P.S.I.
Final Hydrostatic Pressure		(H) <u>1591</u>		P.S.I.

# DIAMOND TESTING

Page 2 of 2 Pages  
Drill Test Report

## General Information

Company Name L.D.DRILLING, INC

Contact L.D.DAVIS  
Well Name STAN # 2-10  
Unique Well ID DST # 2 LANSING H-K 3349-3425  
Surface Location SEC 10-21S-12W STAFFORD COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number R091  
Representative RANDY WILLIAMS  
Well Operator L.D.DRILLING, INC  
Report Date 2010/05/03  
Prepared By RANDY WILLIAMS

## Test Information

Test Type Drill Stem Test  
Formation DST # 2 LANSING H-K 3349-3425  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 20:46:00  
Final Test Time 02:48:00

Start Test Date 2010/05/02  
Final Test Date 2010/05/03

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 90', OWCM, 20% OIL, 25% WATER, 55% MUD  
120', SGOMCW, 4% GAS, 6% OIL, 70% WATER, 20% MUD  
PH-7.0 CHLORIDES- 62,000 RW- .1 @ 68 DEG

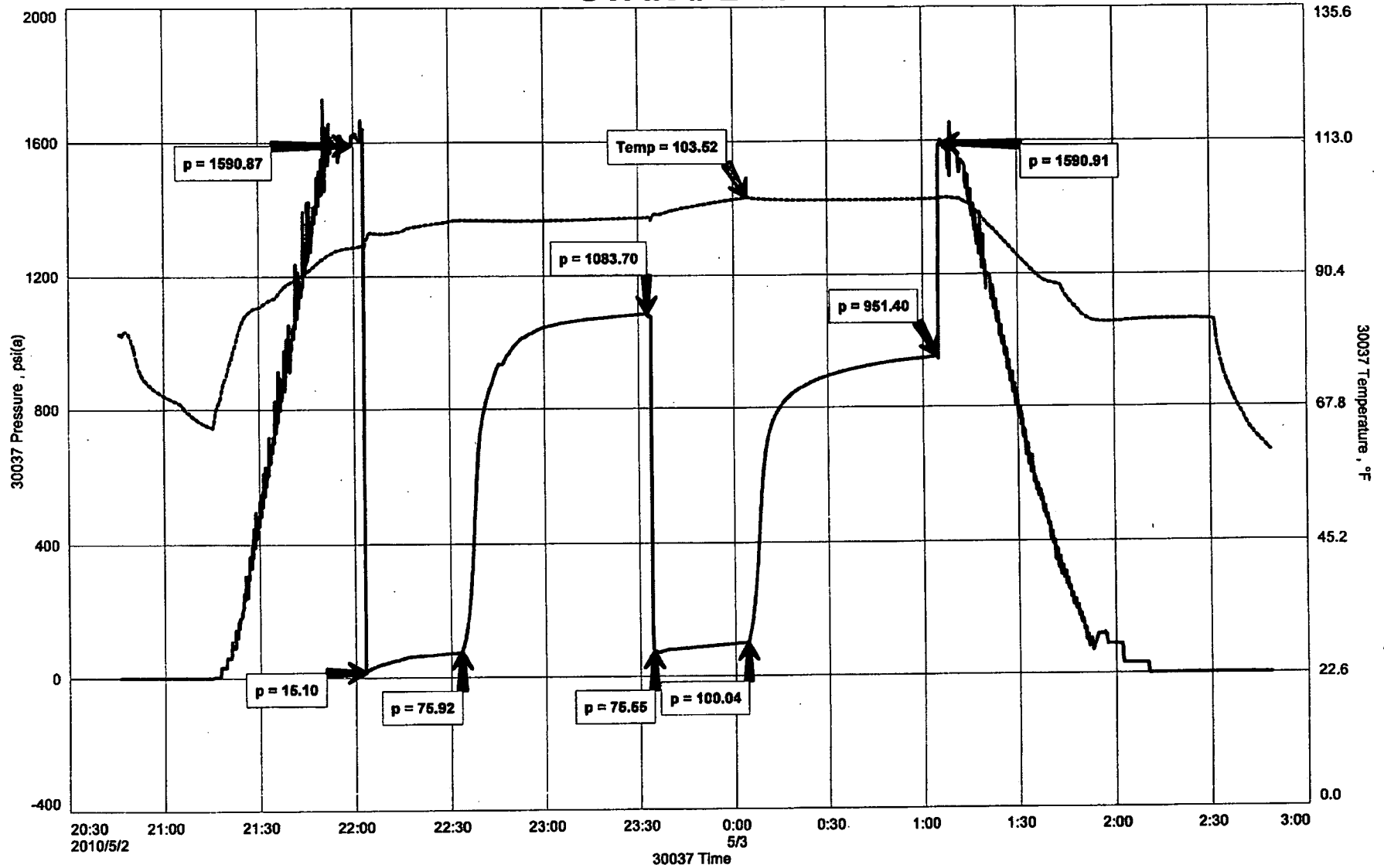
TOTAL FLUID: 210'

TOOL SAMPLE: 6% OIL, 94% WATER

L.D.DRILLING, INC  
DST # 2 LANSING H-K 3349-3425  
Start Test Date: 2010/05/02  
Final Test Date: 2010/05/03

STAN # 2-10  
Formation: DST # 2 LANSING H-K 3349-3425  
Pool: WILDCAT  
Job Number: R091

# STAN # 2-10





**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D092

Company L. D. Drilling, Inc. Lease & Well No. Stan No. 2-10

Elevation 1847 KB Formation Arbuckle Effective Pay      Ft. Ticket No. R092

Date 5-3-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By David Barker Diamond Representative Randy Williams

Formation Test No. 3 Interval Tested from 3,453 ft. to 3,508 ft. Total Depth 3,508 ft.

Packer Depth 3,448 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 3,453 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,436 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,505 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.

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

Weight 8.8 Water Loss 10.8 cc. Drill Pipe Length 3,300 ft. I.D. 3 1/2 in.

Chlorides 8,000 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 55 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, building. Off bottom of bucket in 1 min. No blow back during shut-in.

2nd Open: Strong blow, building. Off bottom of bucket in 2 mins. Weak, surface blow back during shut-in.

Recovered 5 ft. of clean oil = .071150 bbls.

Recovered 20 ft. of slightly gassy & oily mud cut water = .284600 bbls. (Grind out: 4%-gas; 4%-oil; 32%-mid; 70%-water)

Recovered 1,860 ft. of slightly gassy & oily mud cut water = 25.331980 bbls. (Grind out: 3%-gas; 2%-oil; 5%-mud; 90%-water)

Recovered 1,885 ft. of TOTAL FLUID = 25.687730 bbls. Chlorides: 22,000 Ppm PH: 7.0

Recovered      ft. of     

Remarks Tool Sample Grind Out: 6%-oil; 94%-water

Time Set Packer(s) 1:48 <sup>AM</sup>P.M. Time Started Off Bottom 4:48 <sup>AM</sup>P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure ..... (A) 1640 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 180 P.S.I. to (C) 581 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 984 P.S.I.

Final Flow Period ..... Minutes 45 (E) 604 P.S.I. to (F) 831 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 965 P.S.I.

Final Hydrostatic Pressure ..... (H) 1641 P.S.I.

# DIAMOND TESTING

Page 2 of 2 Pages  
Drill Test Report

## General Information

Company Name L.D.DRILLING, INC

Contact L.D.DAVIS  
Well Name STAN # 2-10  
Unique Well ID DST # 3 ARBUCKLE 3453-3508  
Surface Location SEC 10-21S-12W STAFFORD COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number R092  
Representative RANDY WILLIAMS  
Well Operator L.D.DRILLING, INC  
Report Date 2010/05/03  
Prepared By RANDY WILLIAMS

## Test Information

Test Type  
Formation DST # 3 ARBUCKLE 3453-3508  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Drill Stem Test  
3453-3508  
Initial Test

Start Test Time 12:27:00  
Final Test Time 19:24:00

Start Test Date 2010/05/03  
Final Test Date 2010/05/03

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 5' CLEAN OIL  
20' SGSOMCW, 4% GAS, 4% OIL, 70% WATER, 32% MUD  
1860' SGSOMCW, 3% GAS, 2% OIL, 90% WATER, 5% MUD  
PH-7.0 CHLORIDES- 22,000

TOTAL FLUID: 1885'

TOOL SAMPLE: 6% OIL, 94% WATER

L.D.DRILLING, INC  
DST # 3 ARBUCKLE 3453-3508  
Start Test Date: 2010/05/03  
Final Test Date: 2010/05/03

Formation: DST # 3 ARBUCKLE 3453-3508  
Pool: WILDCAT  
Job Number: R092

# STAN # 2-10

