



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: VMD1-3DST1

TIME ON: 02:35:00
TIME OFF: 10:27:00

Company LD Drilling Inc Lease & Well No. VMD #1-3
Contractor Petromark Drilling Rig #2 Charge to LD Drilling Inc
Elevation 1943 KB Formation Lansing J-K Effective Pay _____ Ft. Ticket No. S0110
Date 3-13-12 Sec. 3 Twp. 22 S Range 12 W County Stafford State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3585 ft. to 3635 ft. Total Depth 3635 ft.
Packer Depth 3580 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3585 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3573 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3632 ft. Recorder Number 3851 Cap. 5700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 60 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 9 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,800 P.P.M. Drill Pipe Length 3440 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-F in.
Did Well Flow? NO Reversed Out NO Anchor Length 50 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" Blow- Built to 7" in 30 min **NOBB**
2nd Open: WSB- Built to 7" in 45 min **NOBB**

Recovered 74 ft. of Mud / WTR 51% WTR 49% MUD
Recovered 126 ft. of Muddy WTR 85% WTR 15% MUD
Recovered 200 ft. of **TOTAL FLUID**

Recovered _____ ft. of Ph: 8

Recovered _____ ft. of RW: .32 @ 62 degrees F Price Job _____

Recovered _____ ft. of Chlorides: 34,000 ppm Other Charges _____

Remarks: _____ Insurance _____

TOOL SAMPLE: 5% OIL 55% WTR 40% MUD Total _____

Time Set Packer(s) 5:10 AM A.M. P.M. Time Started Off Bottom 8:10AM A.M. P.M. Maximum Temperature 105

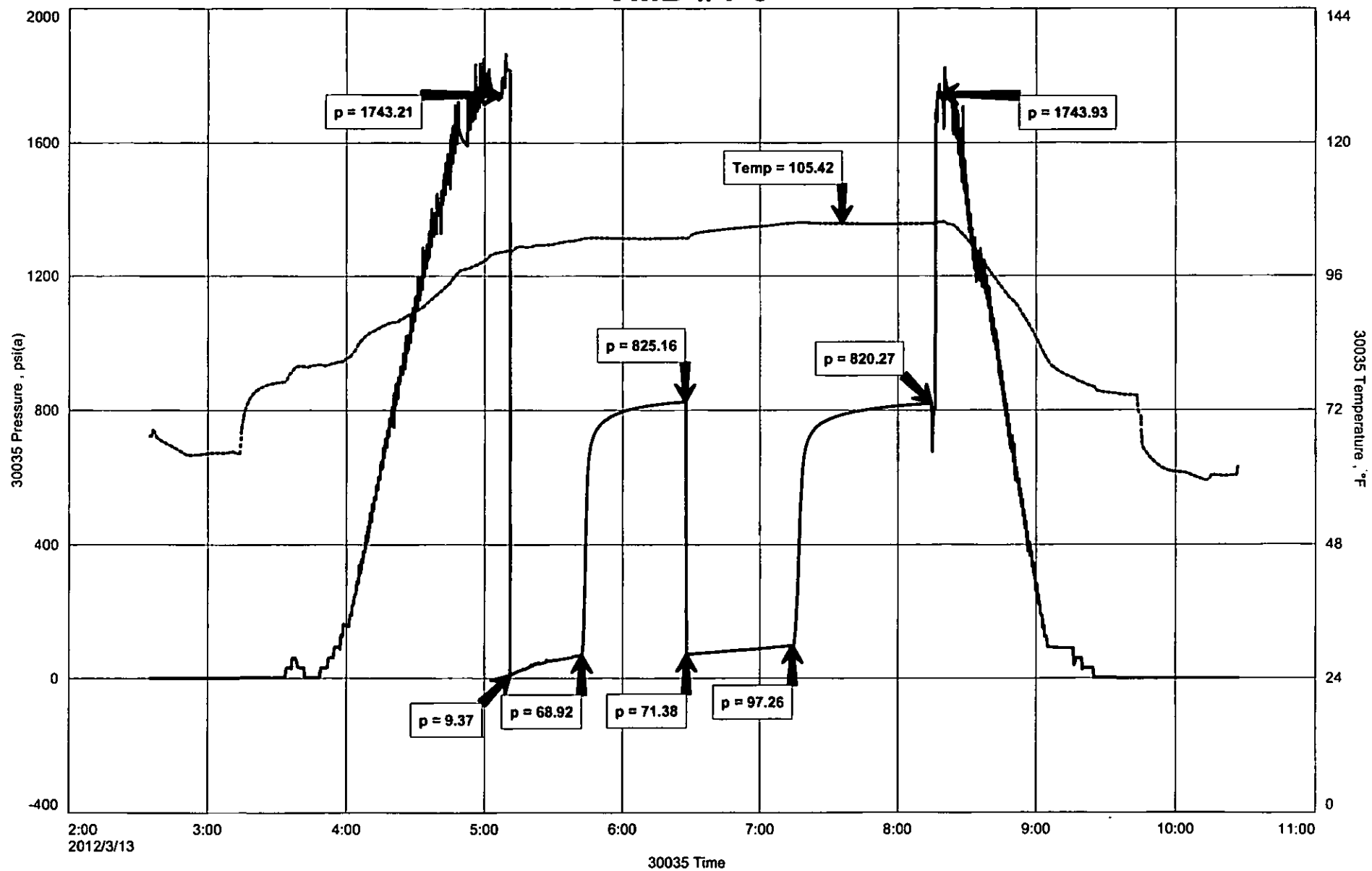
Initial Hydrostatic Pressure..... (A) 1743 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 69 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 825 P.S.I.
Final Flow Period..... Minutes 45 (E) 71 P.S.I. to (F) 97 P.S.I.
Final Closed In Period..... Minutes 60 (G) 820 P.S.I.
Final Hydrostatic Pressure..... (H) 1744 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

LD Drilling Inc
DST #1 Lansing J-K 3585-3635'
Start Test Date: 2012/03/13
Final Test Date: 2012/03/13

VMD #1-3
Formation: DST #1 Lansing J-K 3585-3635'
Pool: Wildcat
Job Number: S0110

VMD #1-3



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0110
Well Name	VMD #1-3	Representative	Jacob McCallie
Unique Well ID	DST #1 Lansing J-K 3585-3635'	Well Operator	LD Drilling Inc
Surface Location	SEC 3-22S-14W Stafford County	Report Date	2012/03/13
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Lansing J-K 3585-3635'		
Well Fluid Type	01 Oil	Start Test Time	02:35:00
		Final Test Time	10:27:00
Start Test Date	2012/03/13		
Final Test Date	2012/03/13		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:		
74'	MUD / WTR	51% WTR 49% MUD
126'	Muddy WTR	85% 15% MUD
200'	TOTAL FLUID	

Ph: 8
RW: .32 @ 62 degrees F
Chlorides: 34,000 ppm

TOOL SAMPLE:
5% OIL 55% WTR 40% MUD



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: VMD1-3DST2

TIME ON: 20:20:00 3-13

TIME OFF: 01:13:00 3-14

Company LD Drilling Inc Lease & Well No. VMD #1-3
 Contractor Petromark Drilling Rig #2 Charge to LD Drilling Inc
 Elevation 1943 KB Formation Viola Effective Pay _____ Ft. Ticket No. S0111
 Date 3-14-12 Sec. 3 Twp. 22 S Range 12 W County Stafford State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3658 ft. to 3751 ft. Total Depth 3751 ft.
 Packer Depth 3653 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3658 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 3646 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) _____ 3748 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 56 Drill Collar Length 119 ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4,000 P.P.M. Drill Pipe Length 3513 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 93 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" Blow- Died in 17 1/2 min **NOBB**
 2nd Open: No Blow- No Build **NOBB**

Recovered 8 ft. of Mud 100% DM
 Recovered 8 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____
 Price Job _____
 Other Charges _____
 Insurance _____
 Total _____

TOOL SAMPLE: 100% DM

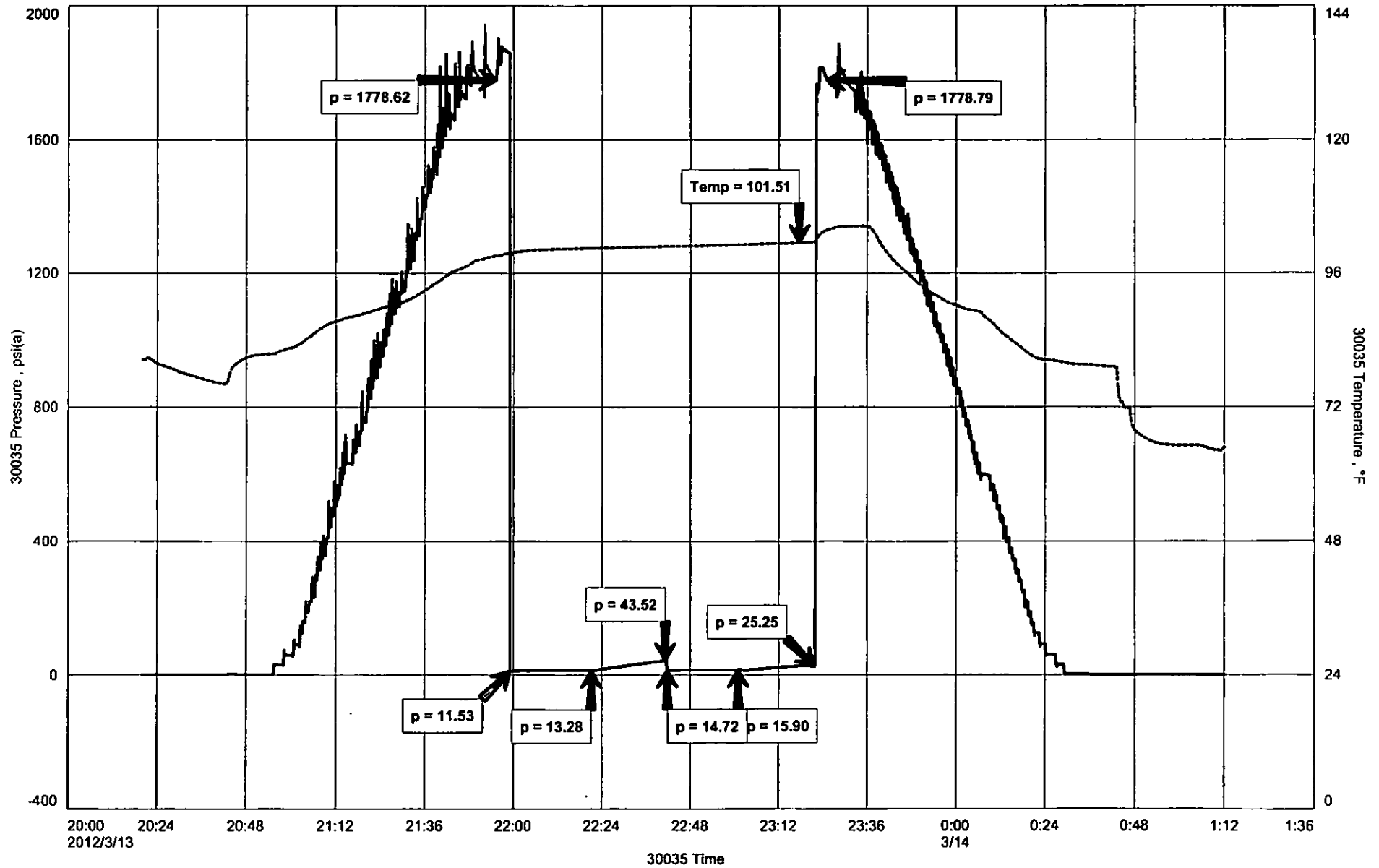
Time Set Packer(s) 10:00 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 11:20 PM ^{A.M.}/_{P.M.} Maximum Temperature 102
 Initial Hydrostatic Pressure..... (A) 1779 P.S.I.
 Initial Flow Period..... Minutes 20 (B) 12 P.S.I. to (C) 13 P.S.I.
 Initial Closed In Period..... Minutes 20 (D) 44 P.S.I.
 Final Flow Period..... Minutes 20 (E) 15 P.S.I. to (F) 16 P.S.I.
 Final Closed In Period..... Minutes 20 (G) 25 P.S.I.
 Final Hydrostatic Pressure..... (H) 1779 P.S.I.

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LD Drilling INC.
DST #2 Viola 3658-3751'
Start Test Date: 2012/03/13
Final Test Date: 2012/03/14

VMD #1-3
Formation: DST #2 Viola 3658-3751'
Pool: Wildcat
Job Number: S0111

VMD #1-3



Diamond Testing

General information Report

General Information

Company Name LD Drilling INC.

Contact	LD Davis	Job Number	S0111
Well Name	VMD #1-3	Representative	Jacob McCallie
Unique Well ID	DST #2 Viola 3658-3751'	Well Operator	LD Drilling INC.
Surface Location	SEC 3-22S-12W Stafford County	Report Date	2012/03/14
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 Viola 3658-3751'		
Well Fluid Type	01 Oil	Start Test Time	20:20:00
		Final Test Time	01:13:00
Start Test Date	2012/03/13		
Final Test Date	2012/03/14		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
8' Drilling Mud 100% MUD
8' TOTAL FLUID

TOOL SAMPLE:
100% DM



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: VMD1-3DST3

TIME ON: 10:46:00
TIME OFF: 18:31:00

Company LD Drilling Inc Lease & Well No. VMD #1-3
Contractor Petromark Drilling Rig #2 Charge to LD Drilling Inc
Elevation 1943 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. S0112
Date 3-14-12 Sec. 3 Twp. 22 S Range 12 W County Stafford State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3742 ft. to 3805 ft. Total Depth 3805 ft.
Packer Depth 3737 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3742 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3730 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3802 ft. Recorder Number 3851 Cap. 5700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 58 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 3597 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-F in.
Did Well Flow? NO Reversed Out NO Anchor Length 63 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1 1/2" Blow- Built to BB in 3 1/2 min 1/2" BB
2nd Open: 2" Blow- Built to BB in 3 1/2 min WSBB

Recovered 126 ft. of GIP
Recovered 680 ft. of Gassy/Muddy/Watery Oil 16% GAS 33% OIL 31% WTR 20% MUD
Recovered 189 ft. of MC/OC WTR 8% OIL 85% WTR 7% MUD
Recovered 567 ft. of MC WTR 98% WTR 2% MUD

Recovered <u>1436</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of <u>Ph: 7 RW: .32 @ 83 degrees F Chlorides: 21,000 ppm</u>	Other Charges
Remarks: <u>GRAVITY: 30 @ 60 degrees F</u>	Insurance
<u>TOOL SAMPLE: 100% OIL</u>	Total

Time Set Packer(s) 12:10 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 3:10 PM ^{A.M.}/_{P.M.} Maximum Temperature 116

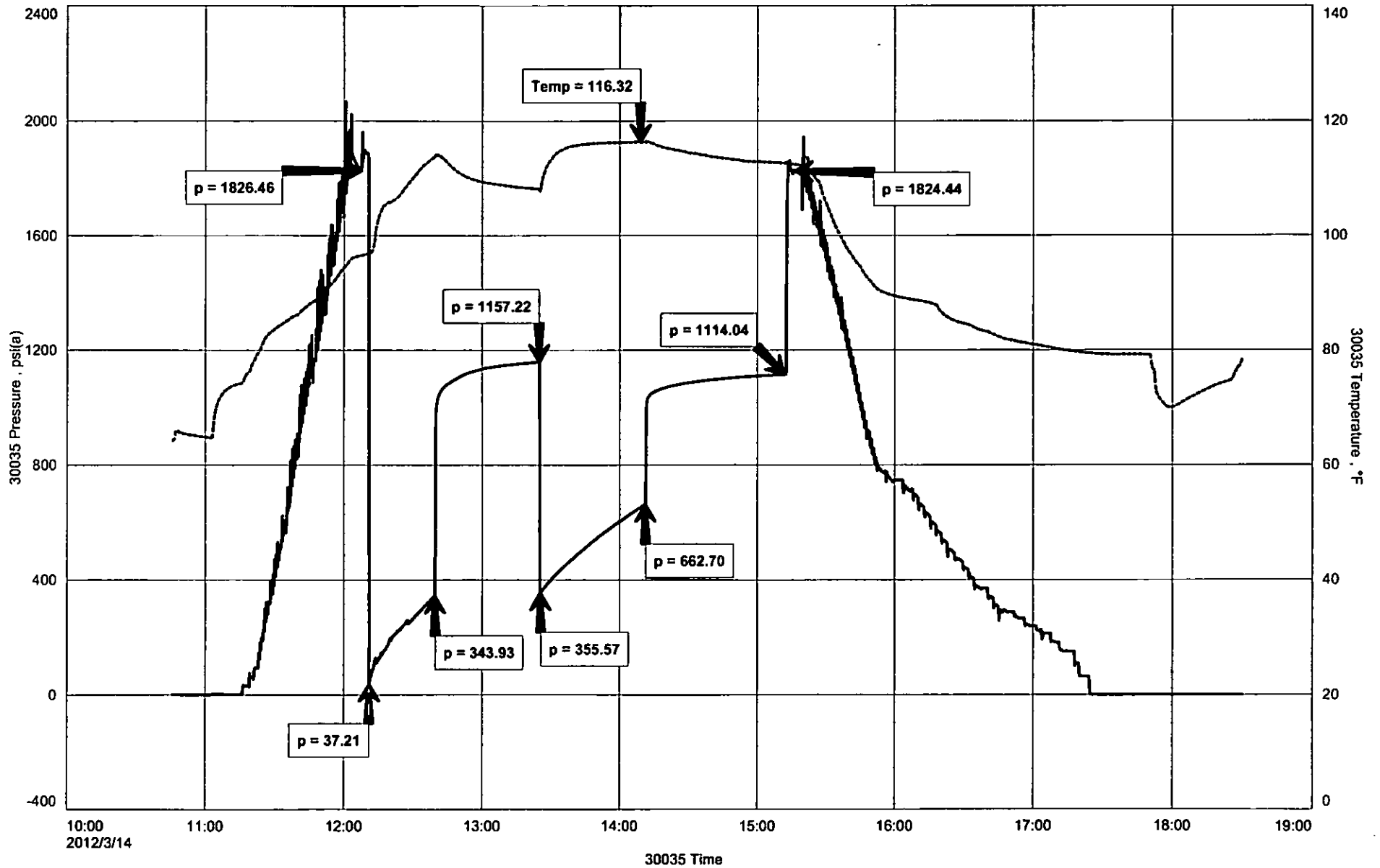
Initial Hydrostatic Pressure..... (A) 1826 P.S.I.
Initial Flow Period..... Minutes 30 (B) 37 P.S.I. to (C) 344 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1157 P.S.I.
Final Flow Period..... Minutes 45 (E) 356 P.S.I. to (F) 663 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1114 P.S.I.
Final Hydrostatic Pressure..... (H) 1824 P.S.I.

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LD Drilling Inc
DST #3 Arbuckle 3742-3805'
Start Test Date: 2012/03/14
Final Test Date: 2012/03/14

VMD #1-3
Formation: DST #3 Arbuckle 3742-3805'
Pool: Wildcat
Job Number: S0112

VMD #1-3



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0112
Well Name	VMD #1-3	Representative	Jacob McCallie
Unique Well ID	DST #3 Arbuckle 3742-3805'	Well Operator	LD Drilling Inc
Surface Location	SEC 3-22S-12W Stafford County	Report Date	2012/03/14
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Arbuckle 3742-3805'	Start Test Time	10:46:00
Well Fluid Type	01 Oil	Final Test Time	18:31:00
Start Test Date	2012/03/14		
Final Test Date	2012/03/14		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERY:

126'	GIP	16% Gas 33% Oil 31% WTR 20% Mud
680'	Gassy / Muddy / Watery Oil	8% Oil 85% WTR 7% Mud
189'	MC/OC WTR	98% WTR 2% Mud
567'	MC WTR	
1436'	TOTAL FLUID	

Ph: 7
RW: .32 @ 83 degrees F
Chlorides: 21,000 ppm
Gravity: 30 @ 60 degrees F

TOOL SAMPLE:
100% CO