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

DRILL-STEM TEST TICKET

FILE: janice2-14dst1

TIME ON: 02:12:00

TIME OFF: 09:59:00

Company: LD Drilling INC — Lease & Well No.: Janice #2-14

Contractor: Petromark Rig #2 — Charge to: LD Drilling Inc

Elevation: 1828 KB — Formation: Lansing "A-D" — Effective Pay: ____ ft. — Ticket No.: S0131

Date: 4-21-12 — Sec.: 14 — Twp.: 15 S — Range: 12 W — County: Russell — State: KANSAS

Test Approved By: Josh Austin — Diamond Representative: Jacob McCallie

Formation Test No.: 1 — Interval Tested from: 2958 ft. to: 3008 ft. — Total Depth: 3008 ft.

Packer Depth: 2953 ft. — Size: 6 3/4 in. — Packer depth: ____ ft. — Size: 6 3/4 in.

Packer Depth: 2958 ft. — Size: 6 3/4 in. — Packer depth: ____ ft. — Size: 6 3/4 in.

Depth of Selective Zone Set: ____

Top Recorder Depth (Inside): 2946 ft. — Recorder Number: 30035 — Cap.: 10000 P.S.I.

Bottom Recorder Depth (Outside): 3005 ft. — Recorder Number: 3851 — Cap.: 5,700 P.S.I.

Below Straddle Recorder Depth: ____ ft. — Recorder Number: ____ — Cap.: ____ P.S.I.

Mud Type: Chem — Viscosity: 55 — Drill Collar Length: 119 ft. — I.D.: 2 1/4 in.

Weight: 8.7 — Water Loss: 7.2 cc — Weight Pipe Length: 0 ft. — I.D.: 2 7/8 in.

Chlorides: 800 P.P.M. — Drill Pipe Length: 2813 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: 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: BB Blow — NOBB

2nd Open: BB BLOW — BBBB

Recovered: 66 ft. of WC GASSY MUD 35% GAS 13% WTR 52% MUD

Recovered: 183 ft. of WCMC GASSY OIL 30% GAS 40% OIL 15% WTR 15% MUD

Recovered: 251 ft. of TOTAL FLUID

Recovered: ____ ft. of ____

Recovered: ____ ft. of ____

Recovered: ____ ft. of ____

Remarks: Gas to surface in 3 1/2 min

TOOL SAMPLE: 20% GAS 50% OIL 20% WTR 10% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s): 4:29 AM A.M. P.M. — Time Started Off Bottom: 7:29 AM A.M. P.M. — Maximum Temperature: 102

Initial Hydrostatic Pressure: (A) 1413 P.S.I.

Initial Flow Period: Minutes 30 (B) 44 P.S.I. to (C) 73 P.S.I.

Initial Closed In Period: Minutes 45 (D) 582 P.S.I.

Final Flow Period: Minutes 45 (E) 46 P.S.I. to (F) 90 P.S.I.

Final Closed In Period: Minutes 60 (G) 570 P.S.I.

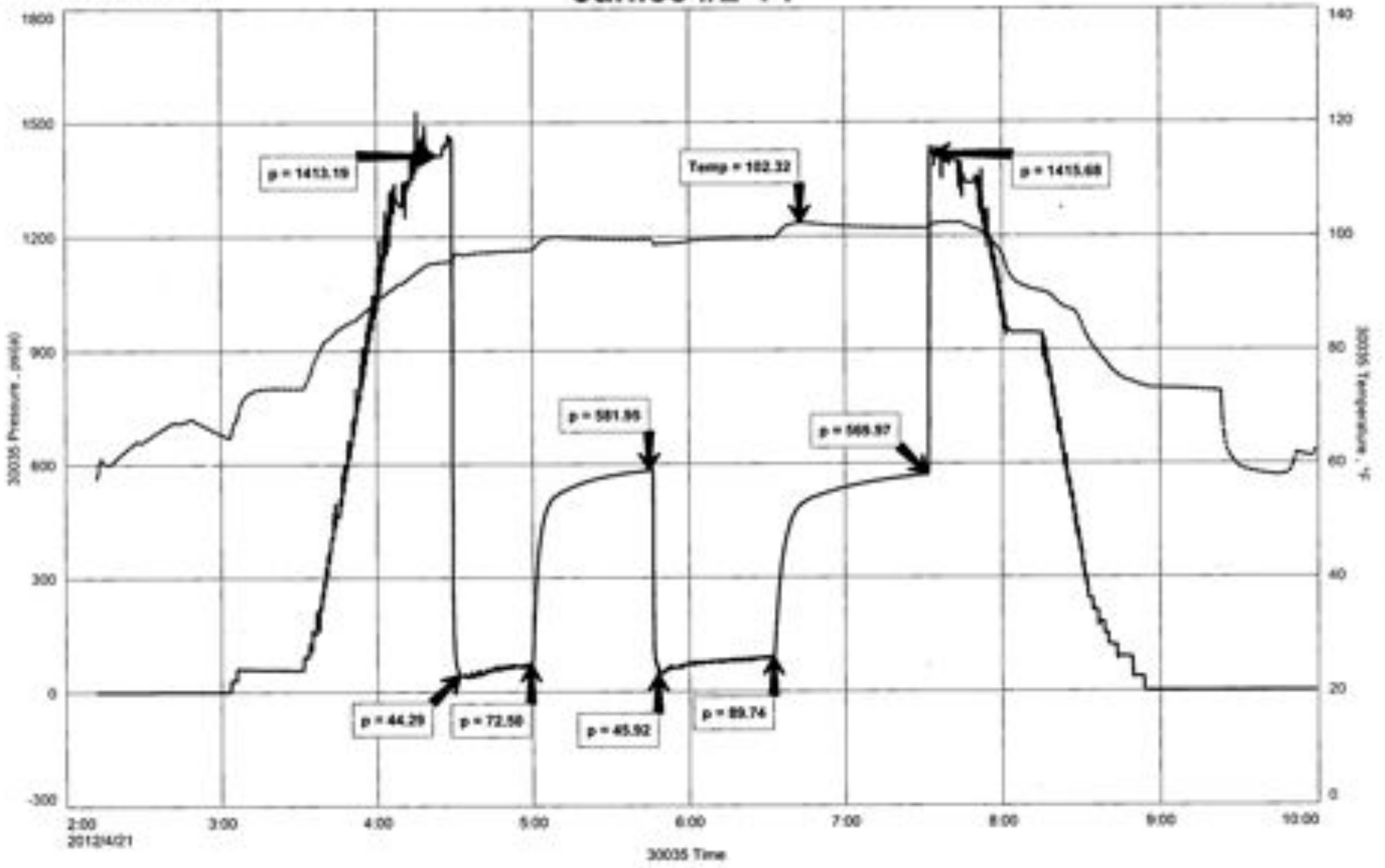
Final Hydrostatic Pressure: (H) 1416 P.S.I.

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 sustained 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 "A-D" 2958-3008'
Start Test Date: 2012/04/21
Final Test Date: 2012/04/21

Janice #2-14
Formation: DST #1 Lansing "A-D" 2958-3008'
Pool: In Field
Job Number: S0131

Janice #2-14



Fast

Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Janice #2-14	Job Number	S0131
Unique Well ID	DST #1 Lansing "A-D" 2958-3008'	Representative	Jacob McCallie
Surface Location	SEC 14-15S-12W Russell County	Well Operator	LD Drilling Inc
Well License Number		Report Date	2012/04/21
Field	Hall-Gurney	Prepared By	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Lansing "A-D" 2958-3008'		
Well Fluid Type	01 Oil	Start Test Time	02:12:00
		Final Test Time	09:59:00
Start Test Date	2012/04/21		
Final Test Date	2012/04/21		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

68'	WC GASSY MUD	35% GAS 13% WTR 52% MUD
183'	WCMC GASSY OIL	30% GAS 40% OIL 15% WTR 15% MUD
251'	TOTAL FLUID	

TOOL SAMPLE:

20% GAS 50% OIL 20% WTR 10% MUD



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

DRILL-STEM TEST TICKET
FILE: janice2-14dst2

TIME ON: 19:50:00
TIME OFF: 00:25:00

Company LD Drilling INC — Lease & Well No. Janice #2-14
Contractor Petromark Rig #2 — Charge to LD Drilling Inc
Elevation 1828 KB — Formation Lansing "H-J" — Effective Pay ____ Ft. — Ticket No. S0132
Date 4-22-12 — Sec. 14 — Twp. 15 S — Range 12 W — County Russell — State KANSAS
Test Approved By Josh Austin — Diamond Representative Jacob McCallie

Formation Test No. 2 — Interval Tested from 3098 ft. to 3170 ft. — Total Depth 3170 ft.
Packer Depth 3093 ft. — Size 6 3/4 in. — Packer depth ____ ft. — Size 6 3/4 in.
Packer Depth 3098 ft. — Size 6 3/4 in. — Packer depth ____ ft. — Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3086 ft. — Recorder Number 30035 — Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3167 ft. — Recorder Number 3851 — Cap. 5,700 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type Chem — Viscosity 55 — Drill Collar Length 119 ft. — I.D. 2 1/4 in.
Weight 8.9 — Water Loss 8.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. — Drill Pipe Length 2953 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 72 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: WSB- Built to 1/2" in 30 min — NOBB
2nd Open: ____

Recovered ____ ft. of
Recovered ____ ft. of
Recovered ____ ft. of
Recovered ____ ft. of
Recovered ____ ft. of
Recovered ____ ft. of
Recovered ____ ft. of

Remarks:

Price Job	
Other Charges	
Insurance	
Total	

TOOL SAMPLE:

Time Set Packer(s) 9:40 PM A.M. P.M. — Time Started Off Bottom 10:40 PM A.M. P.M. — Maximum Temperature 98

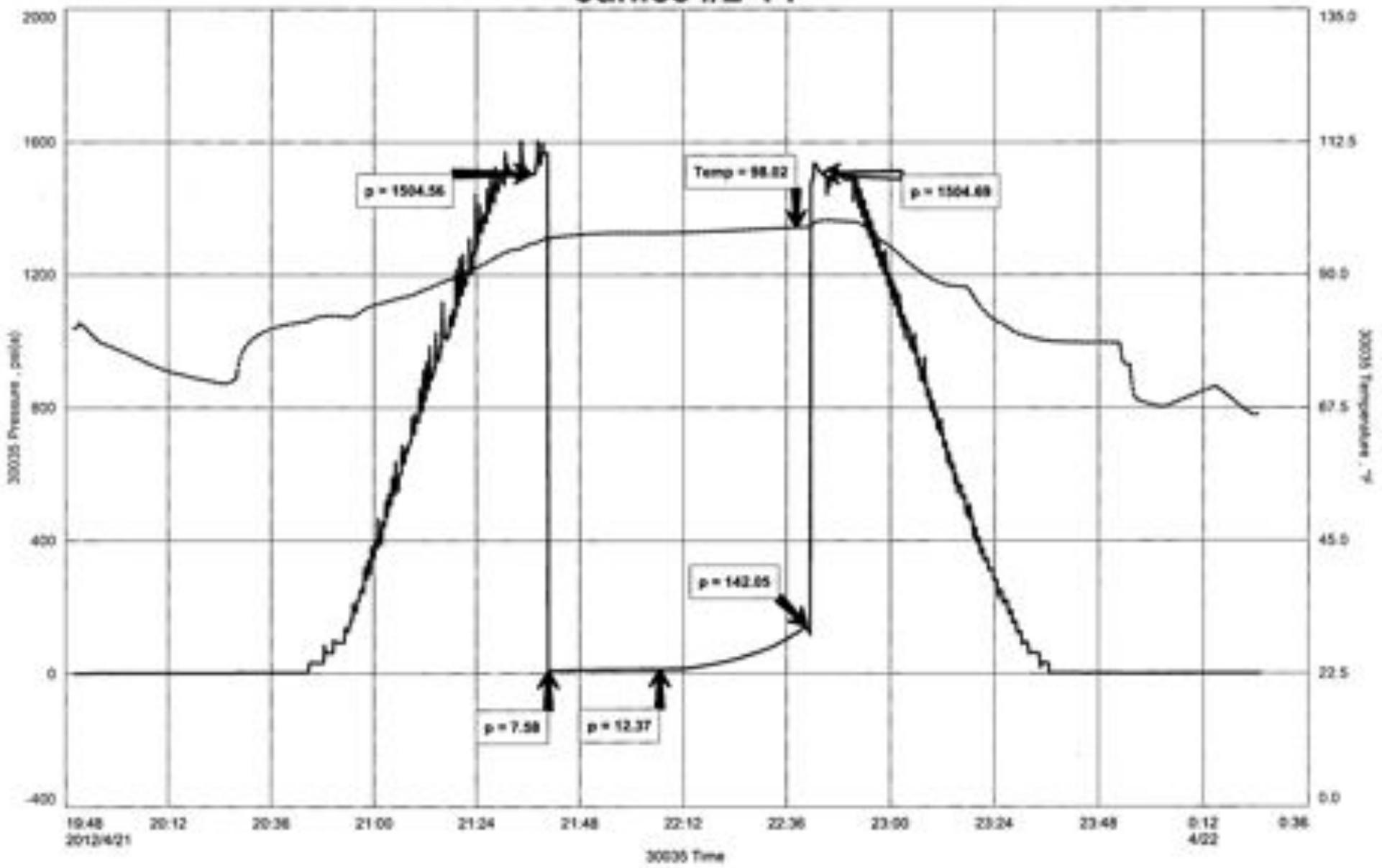
Initial Hydrostatic Pressure (A) 1505 P.S.I.
Initial Flow Period Minutes 30 (B) 8 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period Minutes 30 (D) 142 P.S.I.
Final Flow Period Minutes ** (E) ____ P.S.I. to (F) ____ P.S.I.
Final Closed In Period Minutes ** (G) ____ P.S.I.
Final Hydrostatic Pressure (H) 1505 P.S.I.

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LD Drilling INC
DST #2 Lansing "H-J" 3098-3170'
Start Test Date: 2012/04/21
Final Test Date: 2012/04/22

Janice #2-14
Formation: DST #2 Lansing "H-J" 3098-3170'
Pool: In Field
Job Number: S0132

Janice #2-14



Diamond Testing

General Information Report

General Information

Company Name LD Drilling INC

Contact	LD Davis		
Well Name	Janice #2-14	Job Number	50132
Unique Well ID	DST #2 Lansing "H-J" 3098-3170'	Representative	Jacob McCallie
Surface Location	SEC 14-15S-12W Russell County	Well Operator	LD Drilling INC
Well License Number		Report Date	2012/04/22
Field	Hall-Gurney	Prepared By	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 Lansing "H-J" 3098-3170'		
Well Fluid Type	01 Oil	Start Test Time	19:50:00
		Final Test Time	00:25:00
Start Test Date	2012/04/21		
Final Test Date	2012/04/22		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

5'	mud	100% MUD
5'	TOTAL FLUID	

TOOL SAMPLE:

100% MUD



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

DRILL-STEM TEST TICKET
FILE: janice2-14dst3

TIME ON: 12:30:00
TIME OFF: 18:46:00

Company: LD Drilling INC — Lease & Well No: Janice #2-14
Contractor: Petromark Rig #2 — Charge to: LD Drilling Inc
Elevation: 1828 KB — Formation: Arbuckle — Effective Pay: — Ft. — Ticket No: S0133
Date: 4-22-12 — Sec: 14 — Twp: 15 S — Range: 12 W — County: Russell — State: KANSAS
Test Approved By: Josh Austin — Diamond Representative: Jacob McCallie

Formation Test No: 3 — Interval Tested from: 3235 ft. to: 3308 ft. — Total Depth: 3308 ft.
Packer Depth: 3230 ft. — Size: 6 3/4 in. — Packer depth: ft. — Size: 6 3/4 in.
Packer Depth: 3235 ft. — Size: 6 3/4 in. — Packer depth: ft. — Size: 6 3/4 in.
Depth of Selective Zone Set:

Top Recorder Depth (Inside): 3223 ft. — Recorder Number: 30035 — Cap: 10000 P.S.I.
Bottom Recorder Depth (Outside): 3305 ft. — Recorder Number: 3851 — Cap: 5,700 P.S.I.
Below Straddle Recorder Depth: ft. — Recorder Number: — Cap: P.S.I.

Mud Type: Chem — Viscosity: 63 — Drill Collar Length: 119 ft. — I.D.: 2 1/4 in.
Weight: 9.1 — Water Loss: 8.0 cc. — Weight Pipe Length: 0 ft. — I.D.: 2 7/8 in.
Chlorides: 5,000 P.P.M. — Drill Pipe Length: 3090 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: 73 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 3 1/4" in 30 min — NOBB
2nd Open: WSB- Built to 3 3/4" in 45 min — NOBB

Recovered: 123 ft. of Oil Specked Mud — 100% MUD
Recovered: 123 ft. of TOTAL FLUID
Recovered: ft. of
Recovered: ft. of
Recovered: ft. of
Recovered: ft. of
Remarks:

TOOL SAMPLE: 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s): 1:44 PM A.M. P.M. — Time Started Off Bottom: 4:44 PM A.M. P.M. — Maximum Temperature: 103

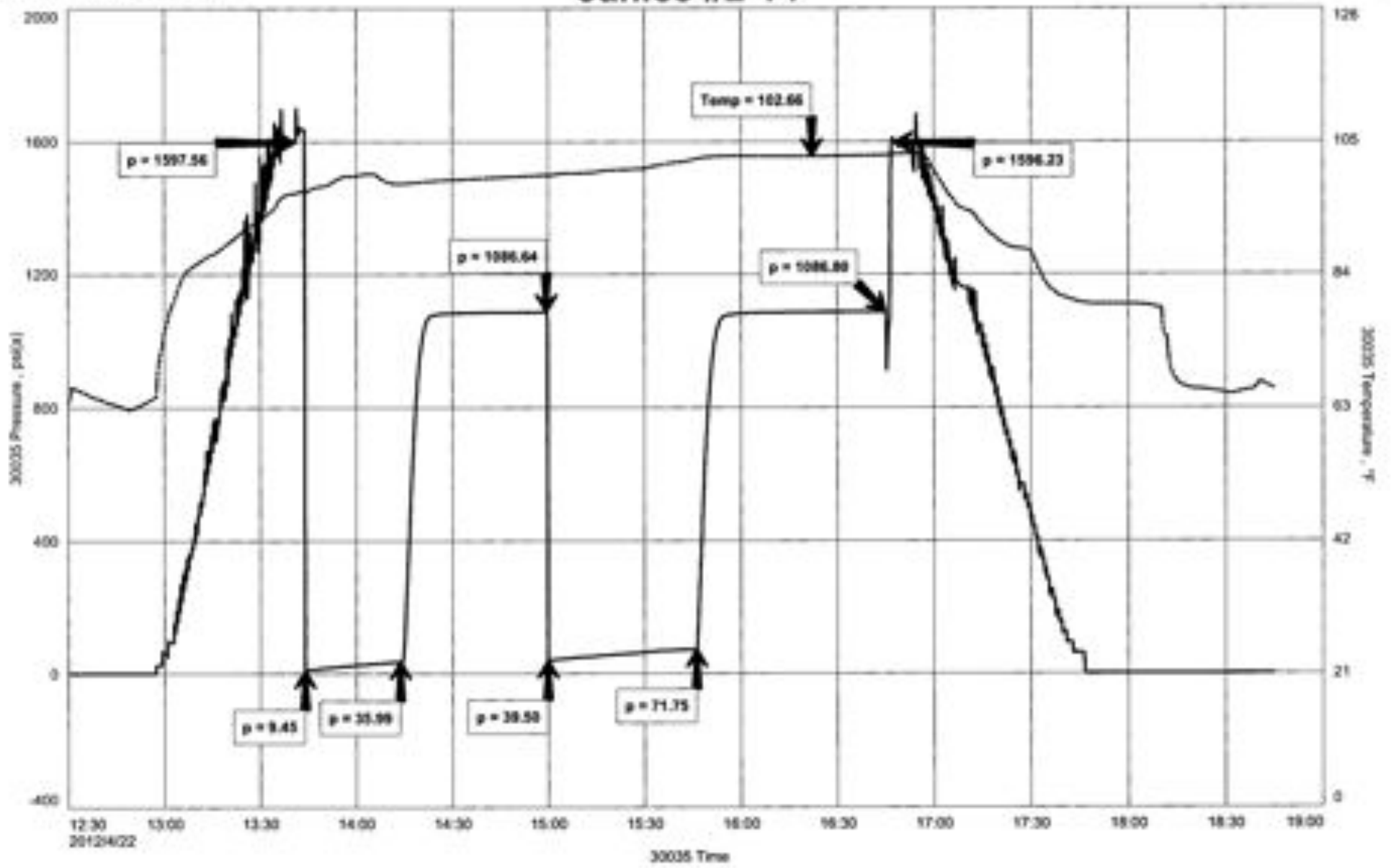
Initial Hydrostatic Pressure: (A) 1598 P.S.I.
Initial Flow Period: Minutes 30 (B) 9 P.S.I. to (C) 36 P.S.I.
Initial Closed In Period: Minutes 45 (D) 1087 P.S.I.
Final Flow Period: Minutes 45 (E) 40 P.S.I. to (F) 72 P.S.I.
Final Closed In Period: Minutes 60 (G) 1088 P.S.I.
Final Hydrostatic Pressure: (H) 1596 P.S.I.

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LD Drilling INC
DST #3 Arbuckle 3235-3308'
Start Test Date: 2012/04/22
Final Test Date: 2012/04/22

Janice #2-14
Formation: DST #3 Arbuckle 3235-3308'
Pool: Infield
Job Number: S0133

Janice #2-14



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fast

Diamond Testing

General information Report

General Information

Company Name LD Drilling INC

Contact	LD Davis		
Well Name	Janice #2-14	Job Number	50133
Unique Well ID	DST #3 Arbuckle 3235-3308'	Representative	Jacob McCallie
Surface Location	SEC 14-15S-12W Russell KS	Well Operator	LD Drilling INC
Well License Number		Report Date	2012/04/22
Field	Hall-Gurney	Prepared By	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Arbuckle 3235-3308'		
Well Fluid Type	01 Oil	Start Test Time	12:30:00
		Final Test Time	18:46:00
Start Test Date	2012/04/22		
Final Test Date	2012/04/22		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

123'	Oil Specked Mud	100% OIL
123'	TOTAL FLUID	

TOOL SAMPLE:

100% MUD

OPERATOR

Company:	L.D. Drilling, Inc.		
Address:	7 SW 26th AVE Great Bend, Kansas 67530		
Contact Geologist:			
Contact Phone Nbr:	620-793-3051		
Well Name:	Janice 2-14		
Location:	8 5/8" @ 522'	API:	15-167-23794-00-00
Pool:		Field:	Hall-Gurney
State:	Kansas, Russell Co.	Country:	USA



Musgrove PETROLEUM CORPORATION

Claflin, Kansas

Scale 1:240 Imperial

Well Name:	Janice 2-14		
Surface Location:	8 5/8" @ 522'		
Bottom Location:			
API:	15-167-23794-00-00		
License Number:			
Spud Date:	4/17/2012	Time:	3:34 PM
Region:	N2-Se-Se-Sw 14-15s-12w		
Drilling Completed:	4/23/2012	Time:	1:50 AM
Surface Coordinates:	390' From South Line & 2310' From West Line		
Bottom Hole Coordinates:			
Ground Elevation:	1823.00ft		
K.B. Elevation:	1828.00ft		
Logged Interval:	2600.00ft	To:	3360.00ft
Total Depth:	3360.00ft		
Formation:	Lansing		
Drilling Fluid Type:	Chemical mud displaced at 2598'		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude:	
N/S Co-ord:	390' From South Line		
E/W Co-ord:	2310' From West Line		

LOGGED BY

Company:	Musgrove Petroleum		
Address:	212 Main St Claflin, KS 67525		
Phone Nbr:	620-546-3960		
Logged By:	Geologist	Name:	Josh Austin

CONTRACTOR

Contractor:	Petromark Drilling LLC		
Rig #:	2		
Rig Type:	mud rotary		
Spud Date:	4/17/2012	Time:	3:34 PM
TD Date:	4/23/2012	Time:	1:50 AM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1828.00ft	Ground Elevation:	1823.00ft

K.B. to Ground: 5.00ft

NOTES

L.D. Drilling, Inc.

well comparison sheet

	DRILLING MEAS Janice 2-14 1828 KB				COMPARISON WELL Kaufman 3 1802 KB				COMPARISON WELL Kaufman 'A' 1 1839 KB			
							Structural Relationship				Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	2870	-1042	2870	-1042	3840	-1038	-4	-4	2880	-1041	-1	-1
Toronto	2888	-1060	2887	-1059					2896	-1057	-3	-2
Douglas	2902	-1074	2901	-1073					2913	-1074	FLAT	1
Brown Lime	2953	-1125	2954	-1126	2930	-1126	-3	2	2946	-1127	-2	1
Lansing	2964	-1136	2964	-1136					2976	-1137	-1	1
Base KC	3238	-1410	3238	-1410					3239	-1400	-10	-10
Conglomerate	3266	-1438	3260	-1430	3228	-1436	-20	-14	3246	-1425	-13	-7
Arbuckle	3302	-1474	3296	-1466	3265	-1463	-11	-3	N/A			
Total Depth	3360	-1532	3361	-1533	3297	-1495			3310	-1471		

Diamond Testing

General Information Report

General Information

Company Name LD Drilling Inc

Contact	LD Drlg		
Well Name	Janice #2-14	Job Number	5301
Unique Well ID	DST #1 Lansing "A-D" 2868-3008	Representative	Jacob McCabe
Surface Location	SEC 14-15S-12W Russell County	Well Operator	LD Drilling Inc
Well License Number		Report Date	7/11/2021
Field	Hall-Gurney	Prepared By	Jacob McCabe
Well Type	Vertical		
Test Type	Drill Stem Test		
Formation	DST #1 Lansing "A-D" 2868-3008		
Well Fluid Type	Oil Gas	Start Test Time	02:12:00
		Final Test Time	08:58:00
Start Test Date	7/11/2021		
Final Test Date	7/12/2021		
Gauge Name	5001A		
Gauge Serial Number			

Test Results

RECOVERED

90'	WC GASSY MUD	30% GAS 10% WTR 60% MUD
180'	WCMO GASSY OIL	30% GAS 40% OIL 10% WTR 20% MUD
270'	TOTAL FLUID	

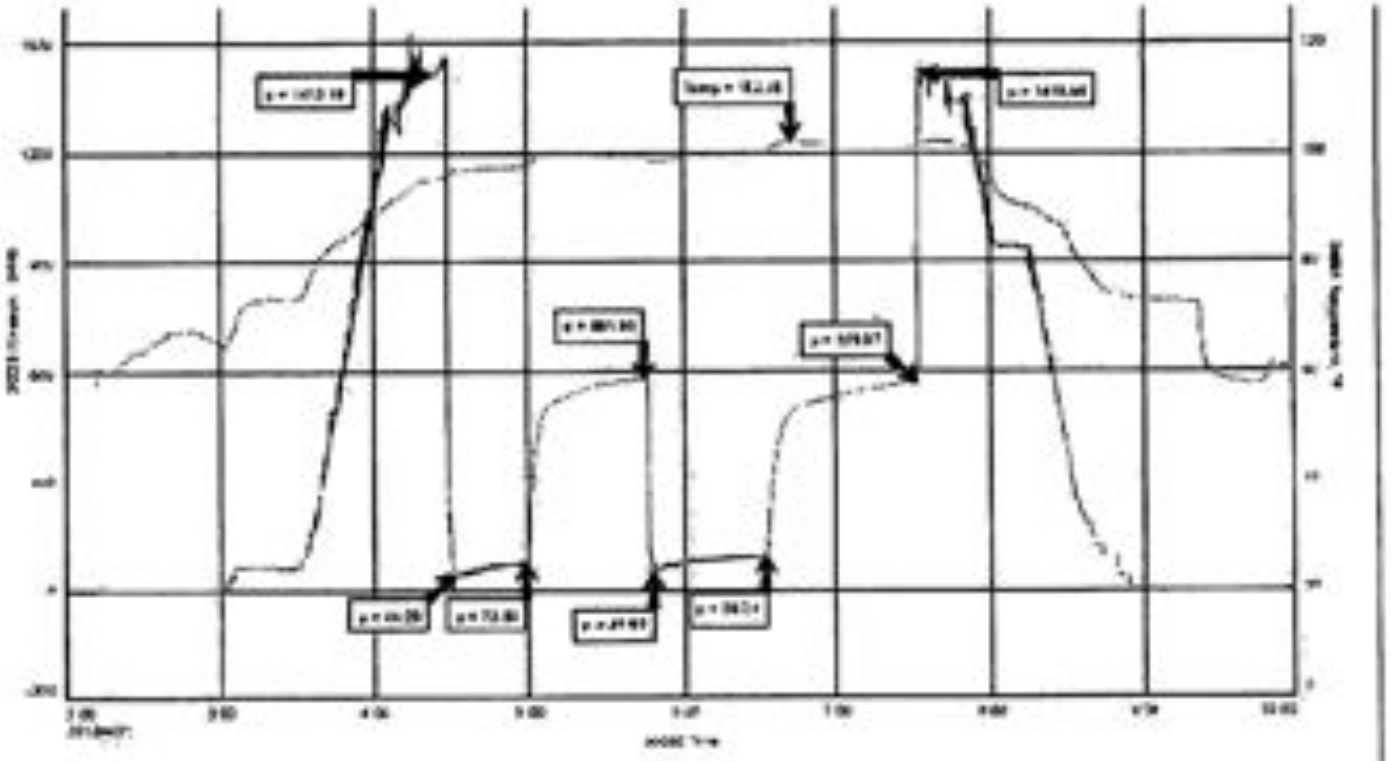
FOOL SAMPLE:
30% GAS 40% OIL 30% WTR 70% MUD

LD Drilling #6
DST #1 Lansing "A-D" 2868-3008'
Start Test Date: 7/11/2021
Final Test Date: 7/12/2021

Janice #2-14

Formation: DST #1 Lansing "A-D" 2868-3008'
Pool: In Field
Job Number: 5301

100 140



DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

GAS VOLUME REPORT

Company: L.D. Drilling Inc. Lease & Well No. Janice #2-14

Date 4-21-12 Sec. 14 Twp. 15 S Rge. 12 W Location _____ County Russell State KS

Drilling Contractor: Petromark Rig #2 Formation Lansing "A-D" DST No. 1

Remarks: Gas to surface 3 1/2 minutes into initial flow

Sample Taken at 18 minutes into initial flow

INITIAL FLOW

Time Minutes	Orifice Size	Gauge PSI	Gas MCF/D
10	.25 in.	6 PSI in.	86.3 MCF/D
15	" in.	14 PSI in.	141 MCF/D
20	" in.	16PSI in.	166 MCF/D
25	" in.	19 PSI in.	171 MCF/D
30	" in.	19 PSI in.	171 MCF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Time Minutes	Orifice Size	Gauge	Gas MCF/D
5	.25 in.	10 psi in.	116 MCF/D
10	" in.	10 psi in.	116 MCF/D
15	" in.	8 psi in.	101 MCF/D
20	" in.	7 psi in.	94.5 MCF/D
25	" in.	7 psi in.	94.5 MCF/D
30	" in.	7 psi in.	94.5 MCF/D
35	" in.	7 PSI in.	94.5 MCF/D
40	" in.	8 psi in.	101 MCF/D
45	" in.	8psi in.	101 MCF/D
	in.	in.	

General Information

Company Name: LD Drilling (M)

Contact	LD Clerk	Job Number	[illegible]
Well Name	Janice #2-14	Representative	[illegible]
Unique Well ID	DST #2 Lansing "H-J" 3098-3170'	Well Operator	LD Drilling (M)
Surface Location	SEC 14-10S-23W Russell County	Report Date	[illegible]
Well License Number		Prepared By	[illegible]
Field	[illegible]		
Well Type	Vertical		
Test Type	Drill Stem Test		
Formation	DST #2 Lansing "H-J" 3098-3170'		
Well Fluid Type	01 Oil	Start Test Time	[illegible]
		Final Test Time	[illegible]
Start Test Date	[illegible]		
Final Test Date	[illegible]		
Gauge Name	[illegible]		
Gauge Serial Number			

Test Results

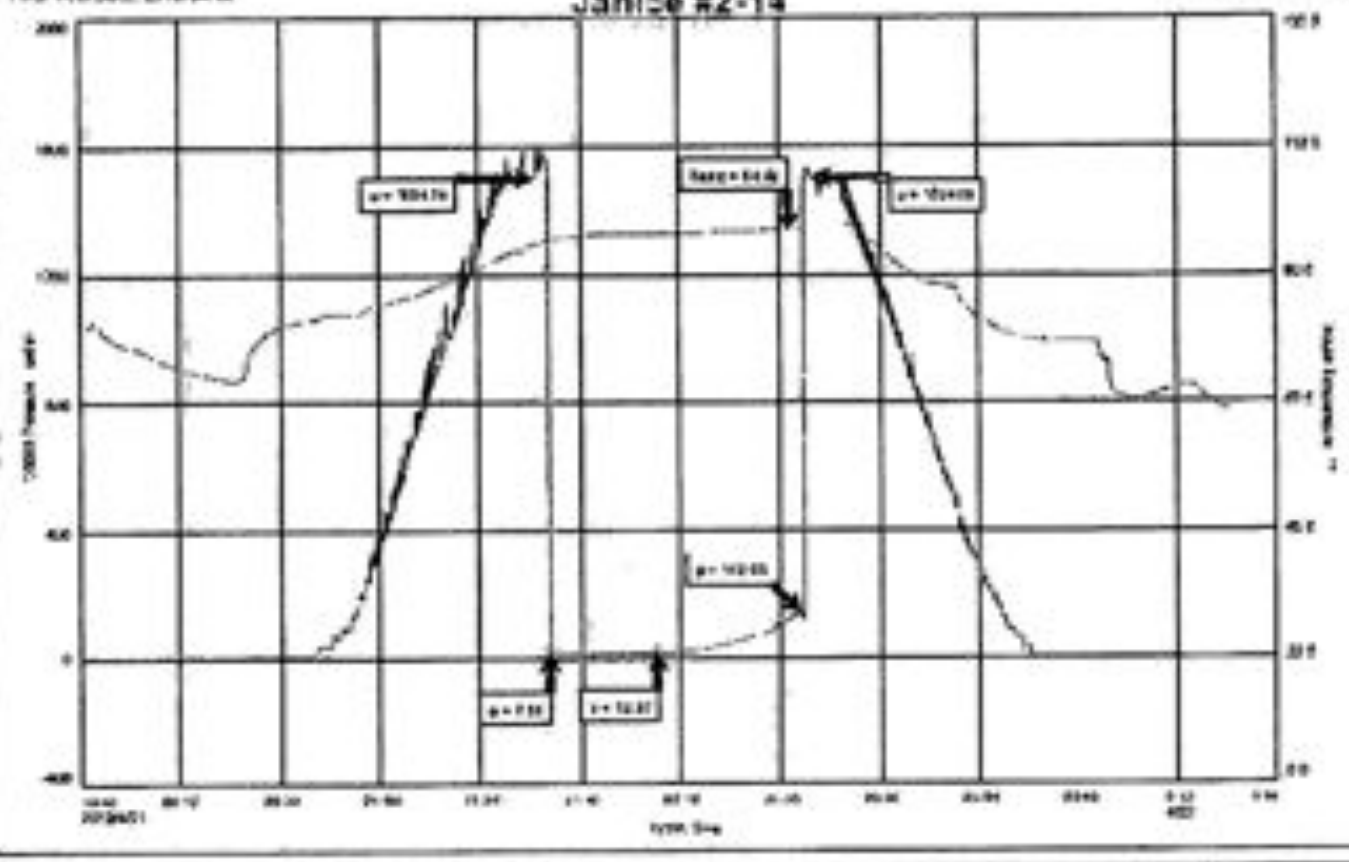
RECOVERED

0'	mud 100% MUD
0'	TOTAL FLUID

FOOL SAMPLE
100% MUD

LD Drilling (M)
DST #2 Lansing "H-J" 3098-3170'
Start Test Date: [illegible]
Final Test Date: [illegible]

Formation: DST #2 Lansing "H-J" 3098-3170'
Elev: [illegible]
Job Number: [illegible]



General Information

Company Name: LD Drilling (M)

Contact	LD Clerk	Job Number	[illegible]
Well Name	Janice #2-14	Representative	[illegible]
Unique Well ID	DST #3 Arbuckle 3206-3300'	Well Operator	LD Drilling (M)
Surface Location	SEC 14-10S-23W Russell KS	Report Date	[illegible]
Well License Number		Prepared By	[illegible]
Field	[illegible]		
Well Type	Vertical		
Test Type	Drill Stem Test		
Formation	DST #3 Arbuckle 3206-3300		
Well Fluid Type	01 Oil	Start Test Time	[illegible]
		Final Test Time	[illegible]
Start Test Date	[illegible]		
Final Test Date	[illegible]		

Gauge name
Gauge Serial Number

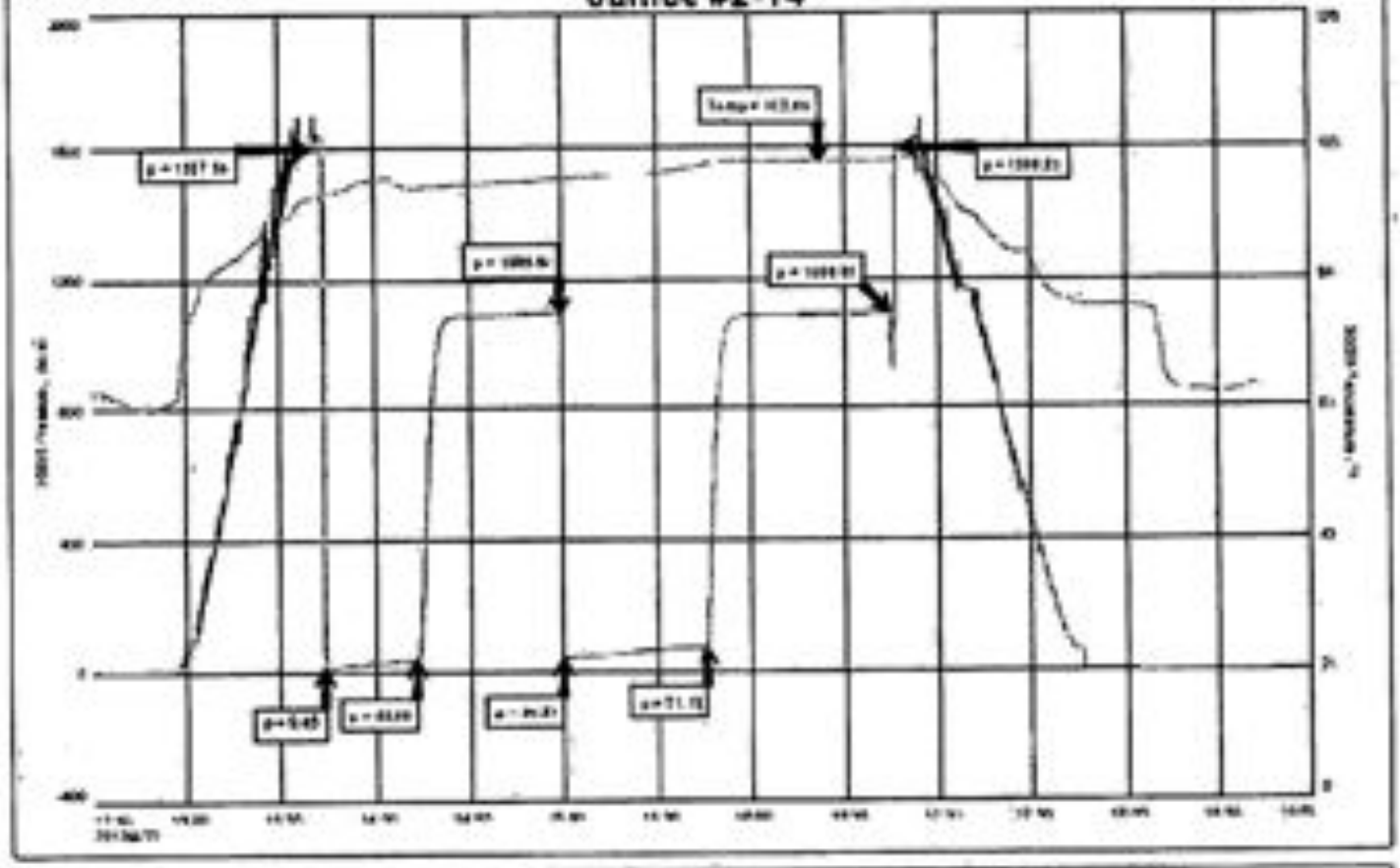
Test Results

RECOVERED:
120' OIL Specked Mud 100% OIL
120' TOTAL FLUID

TOOL SAMPLE:
100% MUD

LC: Dbl Bill PIC
DST #3 Arbuckle 3235-3308'
Start Test Date: 2013/04/22
Final Test Date: 2013/04/23

Janice #2-14
Formation: DST #3 Arbuckle 3235-3308
API#: 15-
Job Number: DS103



ROCK TYPES

Congl	Dolsnd	shale, gry		Igne	
Chtcongl	Lmst fw?>	Carbon Sh			
Dolprim	shale, grn	Ss			

ACCESSORIES

MINERAL
- Chert, dark
- Chert White
- Mica

FOSSIL
- Crinoids
- Fossils < 20%
- Oolite
- Clemoldic

TEXTURE
- Chalky

OTHER SYMBOLS

DST
- DST ini
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.8.7.0 [www.geostrip.com]

Corrup Track #1
- ROP (min/ft)
- Gamma (API)
- Cal (in)

in | intervals | logs | Date

TG, C1 - C5
- Total Gas (units)
- C1 (units)
- C2 (units)
- C3 (units)