KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1082095

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: JOSH AUSTIN
Purchaser: M V PURCHASING

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] Oil [ ] WSW [ ] SWD [ ] SIOW
- [ ] Gas [ ] D&A [ ] ENHR [ ] SIGW
- [ ] OG [ ] GSW [ ] Temp. Abd.
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic [ ] Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening [ ] Re-perf. [ ] Conv. to ENHR [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

02/12/2012	02/19/2012	02/27/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23774-00-00
Spot Description:
E2 - NW - NE - SW Sec. 14 Twp. 15 S. R. 12 [ ] East [x] West
2310 Feet from [ ] North / [x] South Line of Section
1940 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Russell
Lease Name: JANICE Well #: 1-14
Field Name: HALL-GURNEY
Producing Formation: ARBUCKLE
Elevation: Ground: 1789 Kelly Bushing: 1783
Total Depth: 3320 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 815 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 6000 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: L. D. DRILLING, INC.
Lease Name: L. D. SWD License #: 6039
Quarter NW Sec. 22 Twp. 16 S. R. 13 [ ] East [x] West
County: BARTON Permit #: D30660

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- [ ] Letter of Confidentiality Received
  Date:
- [ ] Confidential Release Date:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [ ] I [x] II [ ] III Approved by: Deanna Garrisor Date: 05/22/2012

Side Two

1082095

Operator Name: L. D. Drilling, Inc. Lease Name: JANICE Well #: 1-14

Sec. 14 Twp. 15 S. R. 12 ☐ East ☑ West County: Russell

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3228 - 3232'		

TUBING RECORD: Size: 2.875 Set At: 3308 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 02/27/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	JANICE 1-14
Doc ID	1082095

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	JANICE 1-14
Doc ID	1082095

Tops

Name	Top	Datum
HEEBNER	2818	-1036
TORONTO	2835	-1053
DOUGLAS	2850	-1068
BROWN LIME	2904	-1122
LANSING	2914	-1132
BASE KANSAS CITY	3180	-1398
CONGLOMERATE	3198	-1416
ARBUCKLE	3224	-1442

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	JANICE 1-14
Doc ID	1082095

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
SURFACE	12.25	8.625	24	815	A-CON BLEND	200	
SURFACE CONT	12.25	8.625	24	815	COMMON	200	2%CC, 1/4# CellFlake
PRODUCTION	7.875	5.5	14	3316	COMMON	150	
RATHOLE	7.875	5.5	14	3316	60/40 POZMIX	30	

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 05234 A

DATE TICKET NO.

DATE OF JOB 2-13-12 DISTRICT KANSAS	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.D. Drilling INC	LEASE JANice #1-14 WELL NO.
ADDRESS	COUNTY Russell 11-14-13-12 STATE KANSAS
CITY STATE	SERVICE CREW Allen, Brad, mike L.
AUTHORIZED BY	JOB TYPE: 8 5/8" Surface CNW

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28493 P.U.	2				
19886-19843	2				
19832-21010	2				

	DATE	AM PM	TIME
TRUCK CALLED	2-13-12	AM PM	1130
ARRIVED AT JOB	2-13-12	AM PM	1400
START OPERATION	2-13-12	AM PM	1500
FINISH OPERATION	2-13-12	AM PM	1700
RELEASED	2-13-12	AM PM	1730
MILES FROM STATION TO WELL	85 miles		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP101	A-Con Blend Common	SK	200		$ 3600 00
CP100	Common cement	SK	200		$ 3200 00
CC102	Cell-Flake	lb	100		$ 370 00
CC109	Calcium Chloride	lb	940		$ 987 00
CF106	Top Rubber Cement Plug.	EA	1		$ 225 00
CF153	Baffle Plate	EA	1		170 00
E100	Unit Mileage Charge Pickup	mi	80		$ 361 25
E101	Heavy Equip Mileage Chg.	mi	170		$ 1190 00
E113	Bulk Delivery Charge	TM	1596		$ 2556 40
CE201	Depth Charge 501' 1000'	Hr	1		$ 1200 00
CE240	Blending & mixing Service Chg.	SK	400		$ 560 00
CE504	Plug Container Utilization	Job	1		$ 250 00
S003	Service Supervisor First 8hrs on Loc.	EA	1		$ 175 00

SUB TOTAL $11,973.09

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	11,727 59

DLS

SERVICE REPRESENTATIVE Allen Ward

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
T.D. Drilling INC		2-13-12
Lease	**Well #**	
Janice	# 1-14	

Field Order #	Station	Casing	Depth	County	State
05234A	Pratt Ks	8 5/8"		Russell	Ks

Type Job	Formation	Legal Description
8 5/8" Surface CNW	825' TD	14-15-12

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft	200	Acid 5sks A-Con Blend Common	RATE	PRESS	ISIP 12.6
Depth 815'	Depth	From	To 200	Pre Pad 5sks common	Max 2% CC 1/4# C.F @ 15.6		5 Min.
Volume 47.35	Volume	From	To	Pad	Min		10 Min.
Max Press 500 #	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 775'	Packer Depth	From	To	Flush Disp H20	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Tim TP	Scotty	Allen

Service Units	28443	19886	19843	19832	21010							
Driver Names	Allen	Brad	Mitchell	Mike	Lawrence							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log Petromark 2
1000 hrs					on Loc. Discuss Safety Setup. Run Jts
					Rig Drilling @ 815'
1115					Hole cut 825' CIR w/ Rig.
1138					Start out of Hole w/ Bit.
200					Go Back in Hole for Short Trip
					+ CIR w/ Rig
300					Start out hole
330					out of Hole w/ Short Trip
					Rig up To Run 8 5/8" Casing. 24 Jts
400					Start Csg. 39' Shoe Joint Baffle
					in collar. Run 20 Jts
					Casing @ 815' CIR w/ Rig.
500 #	200 #		75 1/2	5	mix 200 sks A-Con @ 12.6 #/gal
				5	mix 200 sks common 2% CC, 1/4# CF
			42 3/4		Finish mix. Release Top Rubber Plug.
				4	Start Disp.
630	300 #		49 1/2	2	Plug down shut in @ well
					Release PSI - OK
					Washup Equip + Rackup Truck
					Job complete
					thanks
					Allen, Brad, Mike L.

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 04640 A

DATE TICKET NO.

DATE OF JOB 2-20-2012 DISTRICT PRATT, KS.	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER LD DRILLING, INC.	LEASE JANICE WELL NO. 1-14
ADDRESS	COUNTY RUSSELL STATE KS.
CITY STATE	SERVICE CREW LESLEY, MARQUEZ, PIERSON
AUTHORIZED BY	JOB TYPE: CNW - 5½" L.S.

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
37586	1.5				
19889-19843	1.5				
19831-19862	1.5				

	DATE	TIME
TRUCK CALLED	2-19-12	PM 8:00
ARRIVED AT JOB	"	PM 11:00
START OPERATION	2-20-12	AM 12:45
FINISH OPERATION	"	AM 2:15
RELEASED	"	AM 3:00
MILES FROM STATION TO WELL		85

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: X Jim Michl
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP100C	COMMON	SK	150		2400 00
CP103	60/40 POZ	SK	30		360 00
CC102	CELLFLAKE	lb	38		140 60
CC112	CEM. FRICTION REDUCER	lb	43		258 00
CC113	GYPSUM	lb	705		528 75
CC129	FLA-322	lb	43		322 50
CC200	CEMENT GEL	lb	282		70 50
CF103	TOP RUBBER CMT. PLUG, 5½"	EA	1		105 00
CF251	REGULAR GUIDE SHOE, 5½"	EA	1		250 00
CF1451	FLAPPER TYPE INSERT FLOAT VALVE, 5½"	EA	1		215 00
CF1651	TORBOLIZER, 5½"	EA	6		660 00
CC151	MUD FLUSH	GAL	1000		860 00
E100	PICKUP MILEAGE	MI	85		361 25
E101	HEAVY EQUIPMENT MILEAGE	MI	170		1190 00
E113	BULK DELIVERY CHARGE	TM	710		1135 60
CE204	DEPTH CHARGE; 3001'-4000'	HR	1-4		2160 00
CE240	BLENDING SERVICE CHARGE	SK	180		252 00
CE504	PLUG CONTAINER CHARGE	JOB	1		250 00
S003	SERVICE SUPERVISOR	EA	1		175 00
				SUB TOTAL	9,238

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

SERVICE REPRESENTATIVE Jason Lesley

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X Jim Michl
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC energy services, L.P.

TREATMENT REPORT

Customer: LD DRILLING, INC.	Lease No.		Date: 2-20-2012
Lease: JANICE	Well #: 1-14		
Field Order #: 046640	Station: PRATT, KS.	Casing: 5 1/2"	Depth	County: RUSSELL	State: KS.
Type Job: CNW - 5 1/2" L.S.	Formation: TD - 3320'		Legal Description: 14-15-12

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2" X 14#	Tubing Size	Shots/Ft	CMT -	Acid: 150SK COMMON	RATE	PRESS	ISIP
Depth: 3320', 13	Depth	From	To	Pre Pad @1.43 CU FT	Max		5 Min.
Volume: 81.05 BBL	Volume	From	To	Pad	Min S.J. - 21.40'		10 Min.
Max Press: 1500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 3300.73	Packer Depth	From	To	Flush 80.5 H2O	Gas Volume		Total Load

Customer Representative: LD DAVIS | Station Manager: D. SCOTT | Treater: K. LESLEY

Service Units	37586	19889	19843	19831	19862
Driver Names	LESLEY	MARQUEZ	—	PIERSON	—

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00PM					ON LOCATION - SAFETY MEETING
11:05PM					SPOT TRUCK ON LOC.
11:10PM					RUN 89 JTS. 5 1/2" X 14# CSG.
					TURBO. - 1, 3, 5, 7, 9, 11
12:45AM					CSG. ON BOTTOM
12:46AM					HOOK UP TO CSG. / BREAK CIRC. W/RIG
1:45AM	250		5	6	H2O AHEAD
1:46AM	250		24	6	MUD FLUSH
1:49AM	250		5	6	H2O SPACER
1:50AM	200		38	6	MIX 150 SKS. COMMON @ 14.23 PPG
1:56AM					CLEAR PUMP & LINE - DROP T.R. PLUG
2:00AM	0		0	6	START DISPLACEMENT
2:10AM	300		62	5	LIFT PRESSURE
2:12AM	500		70	4	SLOW RATE
2:15AM	1500		80.5	3	PLUG DOWN - HELD
					CIRC. THRU JOB
			6		PLUG R.H. W/ 30SK 60/40 POZ
					JOB COMPLETE,
					THANKS -
					KEVEN / LESLEY

Taylor Printing Inc. 620-672-3656

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLNG, INC.**	**Representative**	**TIM VENTERS**
Contact	**L. D. DAVIS**	**Well Operator**	**L.D. DRILLING INC.**
Well Name	**JANICE #1-14**	**Report Date**	**2010/02/16**
Unique Well ID	**DST #1, TOPEKA / PLATSMOUTH, 2750-2818**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 14-15S-12W, RUSSELL CO. KS.**		
Field	**WILDCAT**	**Qualified By**	**JOSH AUSTIN**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #1, TOPEKA / PLATSMOUTH, 2750-2818**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2010/02/15**	**Start Test Time**	**20:00:00**
Final Test Date	**2012/02/16**	**Final Test Time**	**02:43:00**

Test Recovery:

RECOVERED: 2310 GAS IN PIPE
105' G, WCM W/TR. O, 8% GAS, TRACE OIL, 24% WATER, 68% MUD
65' G, MCW W/TR. O, 4% GAS, TRACE OIL, 69% WATER, 27% MUD
245' SLT MCW W/TR. OIL, TRACE OIL, 95% WATER, 5% MUD

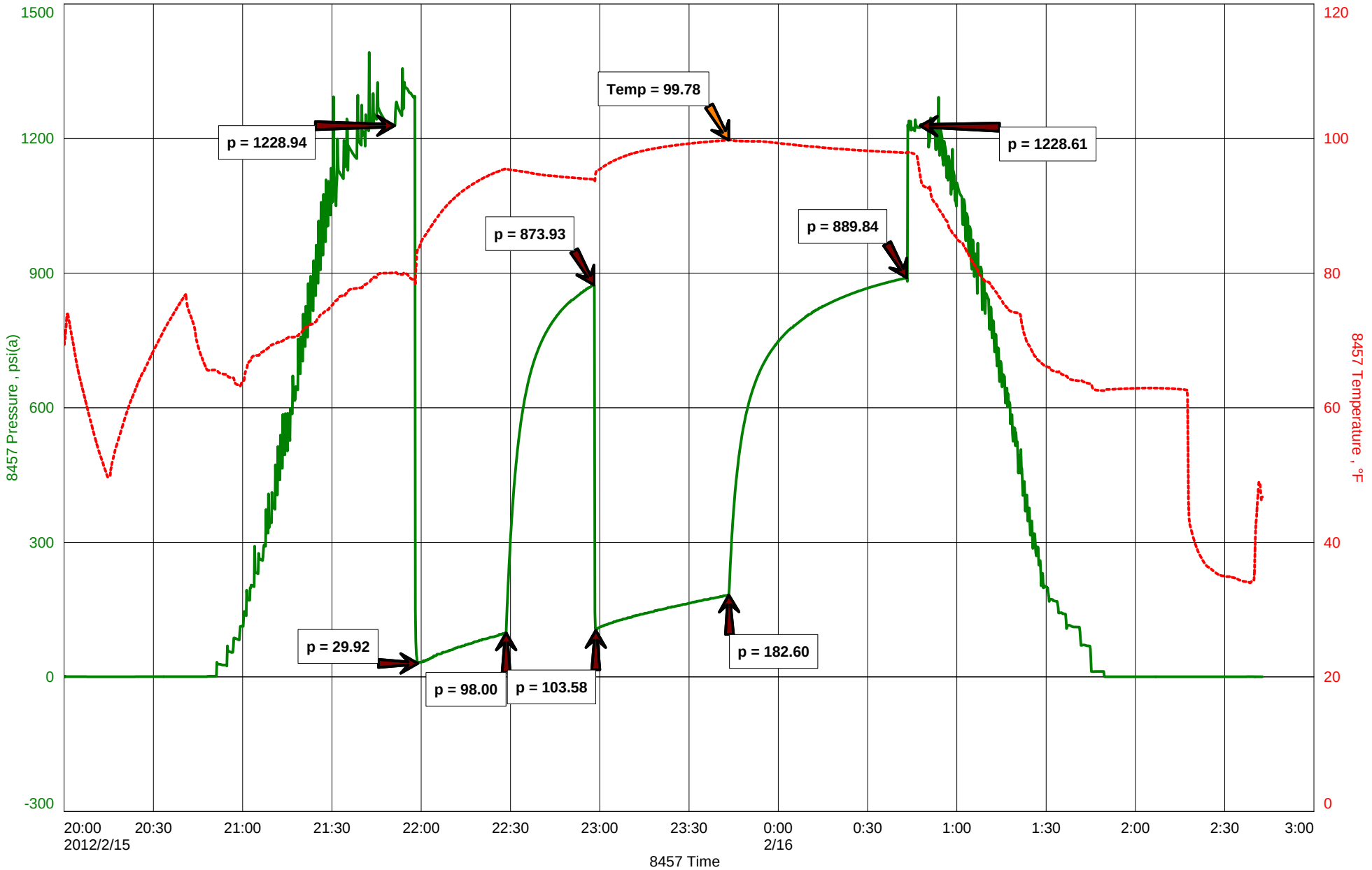
TOOL SAMPLE: 100% WATER

CHLORIDES: 80, 000 ppm
PH: 6.5
RW: .04 @ 78 deg.

L.D. DRILLNG, INC.
DST #1, TOPEKA / PLATSMOUTH, 2750-2818
Start Test Date: 2010/02/15
Final Test Date: 2012/02/16

JANICE #1-14
Formation: DST #1, TOPEKA / PLATSMOUTH, 2750-2818
Pool: WILDCAT
Job Number: T014

JANICE #1-14



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

DRILL-STEM TEST TICKET
FILE: JANICE114DST1

TIME ON: 20:00 2-15-12
TIME OFF: 02:43 2-16-12

Company L.D. DRILLING, INC. Lease & Well No. JANICE #1-14
Contractor PETROMARK DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1782 KB Formation TOPEKA / PLATSMOUTH Effective Pay ____ Ft. Ticket No. T014
Date 2-15-12 Sec. 14 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 2750 ft. to 2818 ft. Total Depth 2818 ft.
Packer Depth 2745 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 2750 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 2743 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 2815 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 66 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 800 P.P.M. Drill Pipe Length 2604 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number ____ Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 37 ft. Size 4 1/2-FH in
31' DP IN ANCHOR
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: VERY STRONG BLOW HITTING BOB INSTANTANEOUSLY. (WSBB)
2nd Open: STRONG 5 INCH BLOW, BUILDING, REACHING BOB 1 1/2 MIN. (1/2" BB)

Recovered 2310 ft. of GAS IN PIPE
Recovered 105 ft. of G, WCM W/TR. O, 8% GAS, TRACE OIL, 24% WATER, 68% MUD
Recovered 65 ft. of G, MCW W/TR. O, 4% GAS, TRACE OIL, 69% WATER, 27% MUD
Recovered 245 ft. of SLT. MCW W/TR. O, TRACE OIL, 95% WATER, 5% MUD
Recovered ____ ft. of ____ | Price Job
Recovered ____ ft. of ____ | Other Charges
Remarks: CHLORIDES: 80,000 ppm / PH: 6.5 / RW: .04 @ 78 deg. | Insurance
TOOL SAMPLE: 100% WATER | Total

Time Set Packer(s) 9:58 PM A.M. P.M. Time Started Off Bottom 12:43 AM A.M. P.M. Maximum Temperature 100 deg.

Initial Hydrostatic Pressure ..... (A) 1229 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 30 P.S.I. to (C) 98 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 874 P.S.I.
Final Flow Period ..... Minutes 45 (E) 104 P.S.I. to (F) 183 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 890 P.S.I.
Final Hydrostatic Pressure ..... (H) 1229 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLING, INC.**	**Representative**	**TIM VENTERS**
Contact	**L.D. DAVIS**	**Well Operator**	**L.D. DRILLING, INC.**
Well Name	**JANICE #1-14**	**Report Date**	**2012/02/16**
Unique Well ID	**DST #2, LANSING "A-B", 2908-2955**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 14-15S-12W**		
Field	**WILDCAT**	**Qualified By**	**JOSH AUSTIN**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #2, LANSING "A-B", 2908-2955**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2012/02/16**	**Start Test Time**	**12:42:00**
Final Test Date	**2012/02/16**	**Final Test Time**	**19:20:00**

Test Recovery:

RECOVERED: 35' WCM, 23% WATER, 77% MUD
65' MCW, 61% WATER, 39% MUD
180' SLT. MCW, 93% WATER, 7% MUD

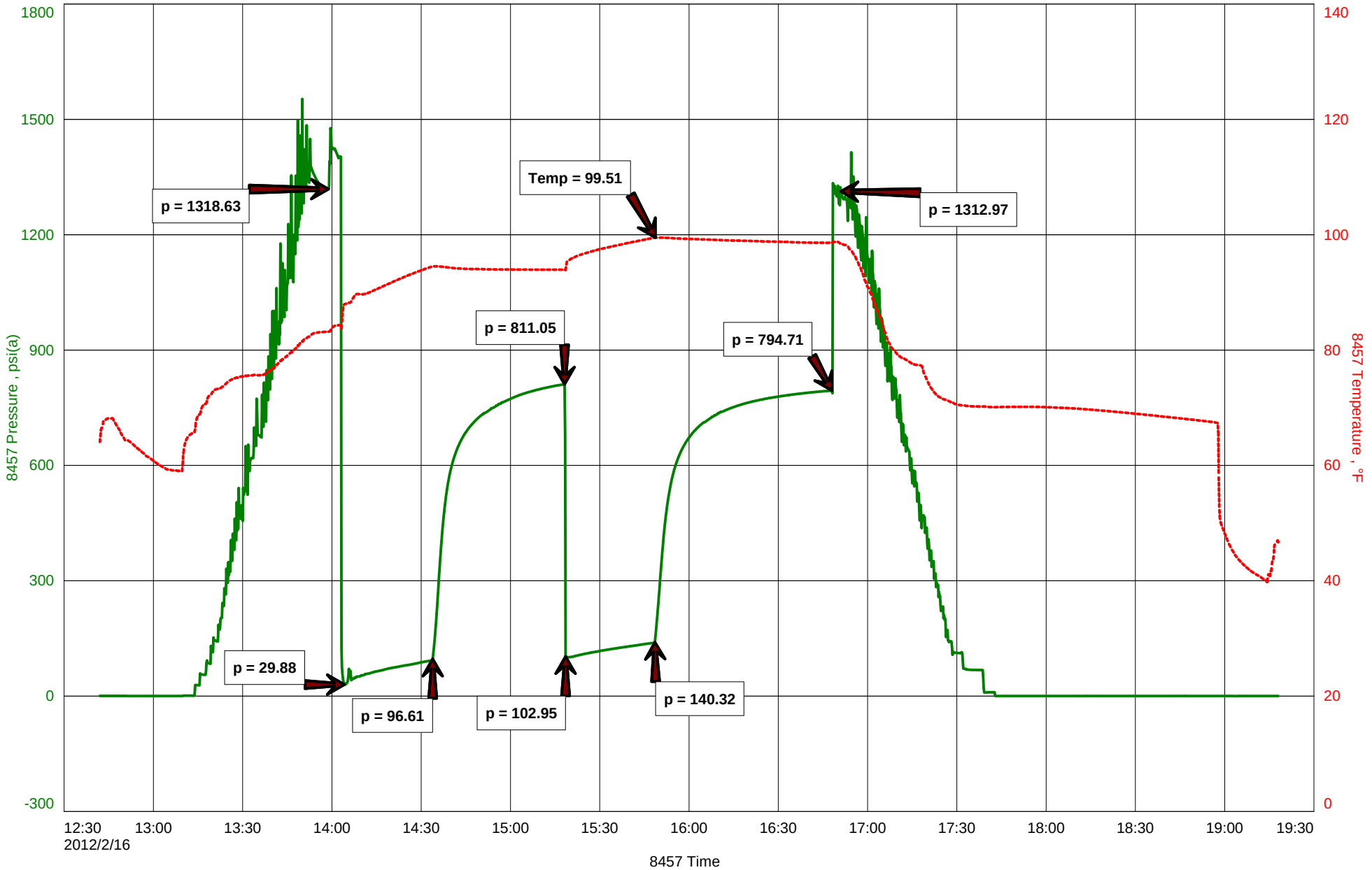
TOOL SAMPLE: 100% WATER

CHLORIDES: 71,000 ppm
PH: 7.0
RW: .12 @ 61 deg.

L.D. DRILLING, INC.
DST #2, LANSING "A-B", 2908-2955
Start Test Date: 2012/02/16
Final Test Date: 2012/02/16

JANICE #1-14
Formation: DST #2, LANSING "A-B", 2908-2955
Pool: WILDCAT
Job Number: T015

JANICE #1-14



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

DRILL-STEM TEST TICKET
FILE: JANICE114DST2

TIME ON: 12:42
TIME OFF: 19:20

Company L.D. DRILLING, INC. Lease & Well No. JANICE #1-14
Contractor PETROMARK DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1782 KB Formation LANSING "A-B" Effective Pay ____ Ft. Ticket No. T015
Date 2-16-12 Sec. 14 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 2908 ft. to 2955 ft. Total Depth 2955 ft.
Packer Depth 2903 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 2908 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2901 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 2952 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 65 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 3,600 P.P.M. Drill Pipe Length 2,762 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number ____ Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 16 ft. Size 4 1/2-FH in
31' DP IN ANCHOR
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: GOOD 3 INCH BLOW, BUILDING, REACHING BOB 1 1/2 MIN. (WSBB)
2nd Open: WEAK 1 1/2 INCH BLOW, BUILDING, REACHING BOB 15 MIN. (WSBB)

Recovered 35 ft. of WCM, 23% WATER, 77% MUD
Recovered 65 ft. of MCW, 61% WATER, 39% MUD
Recovered 180 ft. of SLT. MCW, 93% WATER, 7% MUD
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: CHLORIDES: 71,000 ppm
PH: 7.0
RW: .12 @ 61 deg.
TOOL SAMPLE: 100% WATER

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 2:03 PM A.M. P.M. Time Started Off Bottom 4:48 PM A.M. P.M. Maximum Temperature 100 deg.

Initial Hydrostatic Pressure ..... (A) 1319 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 30 P.S.I. to (C) 97 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 811 P.S.I.
Final Flow Period ..... Minutes 30 (E) 103 P.S.I. to (F) 140 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 795 P.S.I.
Final Hydrostatic Pressure ..... (H) 1313 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	**Representative**	TIM VENTERS
Contact	L.D. DAVIS	**Well Operator**	L.D. DRILLING, INC.
Well Name	JANICE #1-14	**Report Date**	2012/02/17
Unique Well ID	DST #3, LANSING "E-F", 2980-3000	**Prepared By**	TIM VENTERS
Surface Location	SEC 14-15S-12W, RUSSELL CO. KS.		
Field	WILDCAT	**Qualified By**	JOSH AUSTIN
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #3, LANSING "E-F", 2980-3000		
Well Fluid Type	01 Oil		
Start Test Date	2012/02/17	**Start Test Time**	01:31:00
Final Test Date	2012/02/17	**Final Test Time**	08:07:00

Test Recovery:

RECOVERED: 170' GIP
20' O&WCM, 14% OIL, 35% WATER, 51% MUD
65' SO, MCW, 3% OIL, 69% WATER, 28% MUD
120' VSMCW, 98% WATER, 2% MUD

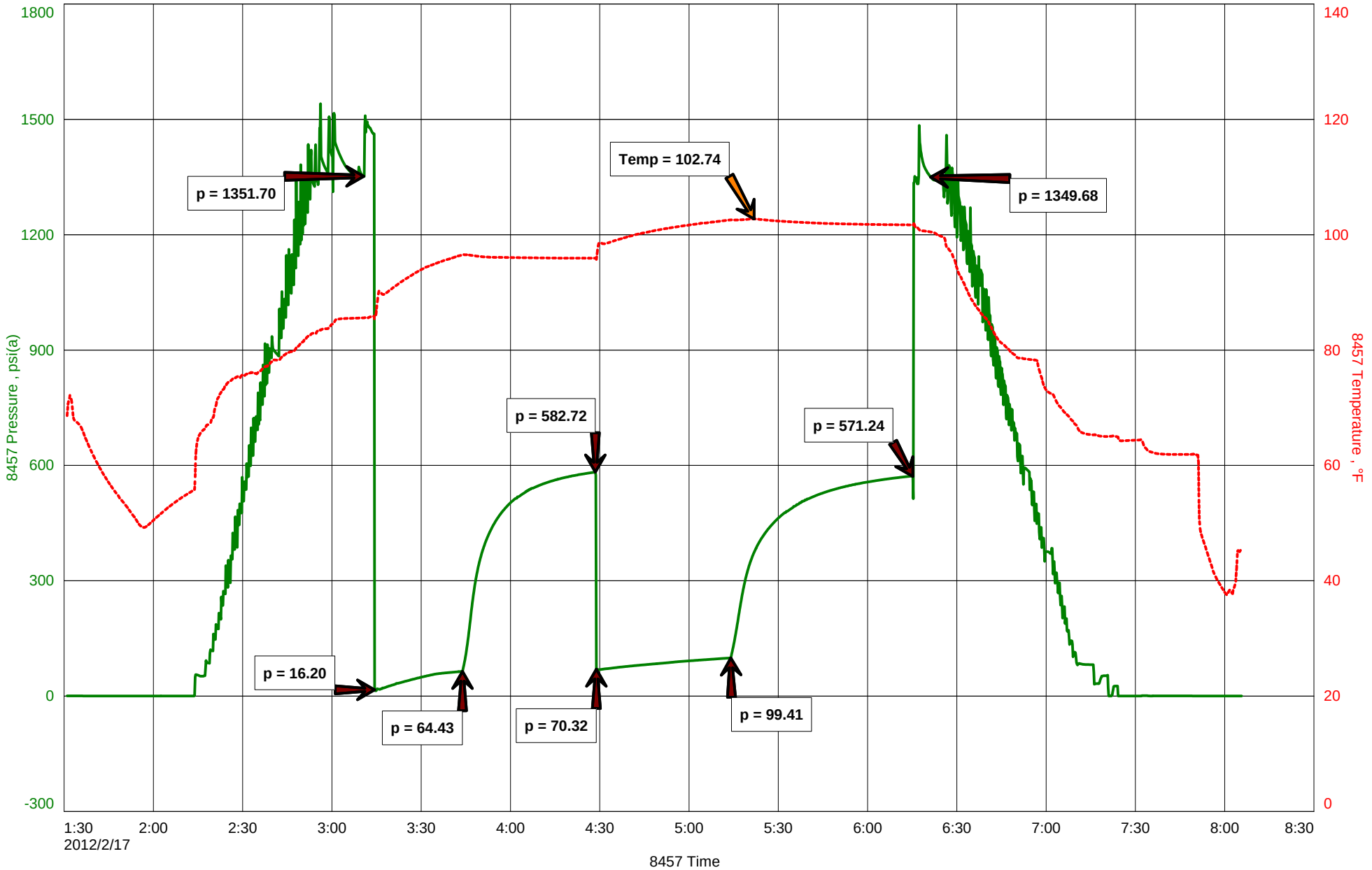
TOOL SAMPLE: 100% WATER

CHLORIDES: 72,00 ppm
PH: 6.5
RW: .1 @ 74 deg.

L.D. DRILLING, INC.
DST #3, LANSING "E-F", 2980-3000
Start Test Date: 2012/02/17
Final Test Date: 2012/02/17

JANICE #1-14
Formation: DST #3, LANSING "E-F", 2980-3000
Pool: WILDCAT
Job Number: T016

JANICE #1-14



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

DRILL-STEM TEST TICKET
FILE: JANICE114DST3

TIME ON: 01:31
TIME OFF: 08:07

Company L.D. DRILLING, INC. Lease & Well No. JANICE #1-14
Contractor PETROMARK DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1782 KB Formation LANSING "E-F" Effective Pay ____ Ft. Ticket No. T016
Date 2-17-12 Sec. 14 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 2980 ft. to 3000 ft. Total Depth 3000 ft.
Packer Depth 2975 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 2980 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2773 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 2997 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 65 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 3,600 P.P.M. Drill Pipe Length 2,834 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number ____ Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 20 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: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 10 1/2 MIN. (WSBB)
2nd Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 27 1/2 MIN. (WSBB)

Recovered 170 ft. of GIP
Recovered 20 ft. of O&WCM, 14% OIL, 35% WATER, 51% MUD
Recovered 65 ft. of SO, MCW, 3% OIL, 69% WATER, 28% MUD
Recovered 120 ft. of VSMCW, 98% WATER, 2% MUD
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: CHLORIDES: 72,000 ppm
PH: 6.5
RW: .1 @ 74 deg.
TOOL SAMPLE: 100% WATER

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 3:13 AM A.M. P.M. Time Started Off Bottom 6:15 AM A.M. P.M. Maximum Temperature 103 deg.

Initial Hydrostatic Pressure ..... (A) 1352 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 16 P.S.I. to (C) 64 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 583 P.S.I.
Final Flow Period ..... Minutes 30 (E) 70 P.S.I. to (F) 99 P.S.I.
Final Closed In Period ..... Minutes 62 (G) 571 P.S.I.
Final Hydrostatic Pressure ..... (H) 1350 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	**Representative**	TIM VENTERS
Contact	L.D. DAVIS	**Well Operator**	L.D. DRILLING, INC.
Well Name	JANICE #1-14	**Report Date**	2012/02/17
Unique Well ID	DST #4, LANSING "G", 3000-3015	**Prepared By**	TIM VENTERS
Surface Location	SEC 14-15S-12W, RUSSELL CO. KS.		
Field	WILDCAT	**Qualified By**	JOSH AUSTIN
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #4, LANSING "G", 3000-3015		
Well Fluid Type	01 Oil		
Start Test Date	2012/02/17	**Start Test Time**	12:21:00
Final Test Date	2012/02/17	**Final Test Time**	17:31:00

Test Recovery:

RECOVERED: 75' SMCW, 91% WATER, 9% MUD
60' MCW, 60% WATER, 40% MUD

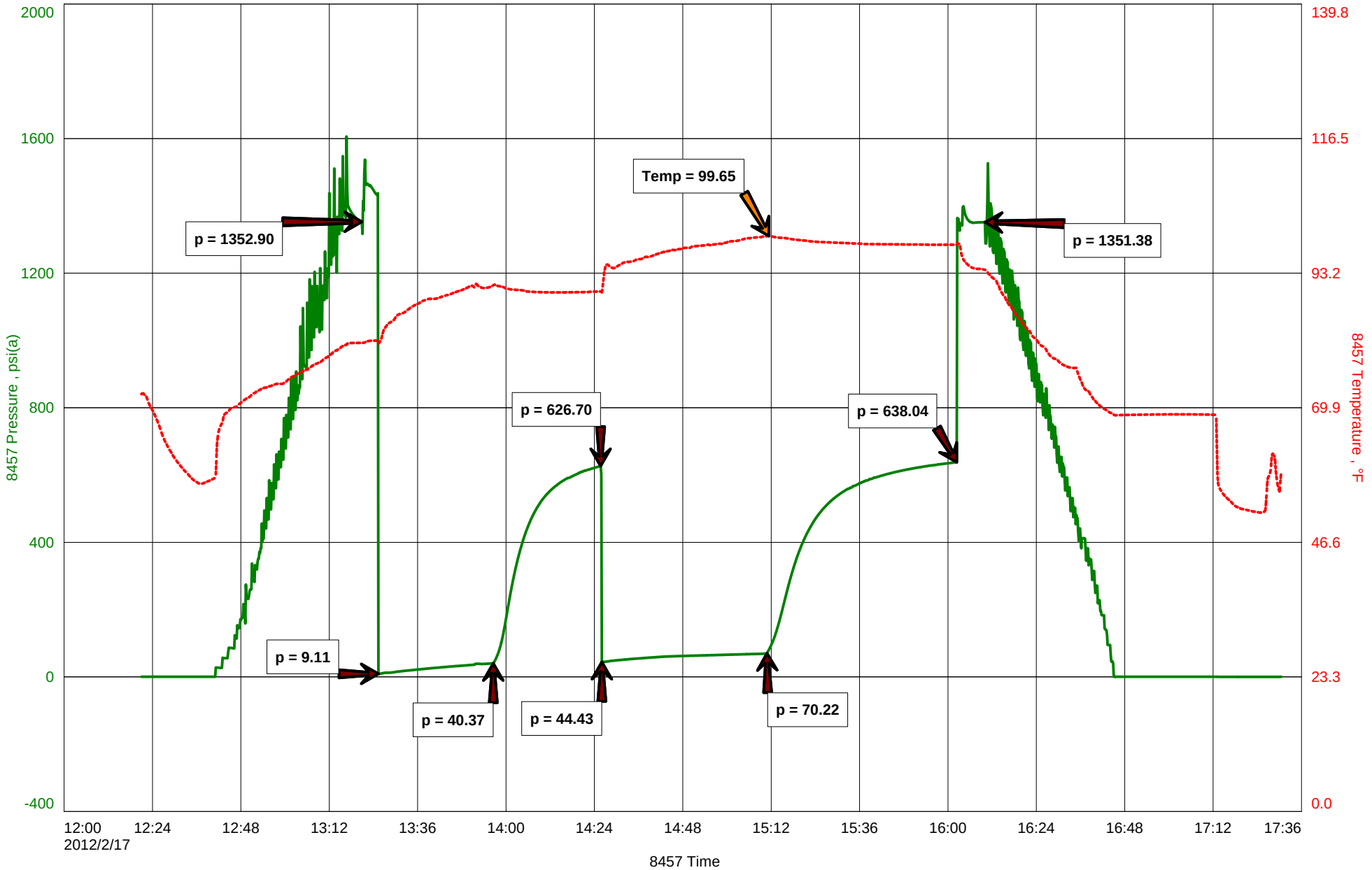
TOOL SAMPLE: 100% WATER

CHLORIDES: 67,000 ppm
PH: 6.0
RW: .08 @ 76 deg.

L.D. DRILLING, INC.
DST #4, LANSING "G", 3000-3015
Start Test Date: 2012/02/17
Final Test Date: 2012/02/17

JANICE #1-14
Formation: DST #4, LANSING "G", 3000-3015
Pool: WILDCAT
Job Number: T017

JANICE #1-14



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

DRILL-STEM TEST TICKET
FILE: JANICE114DST4

TIME ON: 12:21
TIME OFF: 17:31

Company L.D. DRILLING, INC. Lease & Well No. JANICE #1-14
Contractor PETROMARK DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1782 KB Formation LANSING "G" Effective Pay ____ Ft. Ticket No. T017
Date 2-17-12 Sec. 14 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 3000 ft. to 3015 ft. Total Depth 3015 ft.
Packer Depth 2995 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 3000 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3008 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3012 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 5,000 P.P.M. Drill Pipe Length 2,854 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number ____ Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 15 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: WEAK 1/4 INCH BLOW, BUILDING TO 5 INCHES. (WSBB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING TO 4 INCHES. (NOBB)

Recovered 75 ft. of SMCW, 91% WATER, 9% MUD
Recovered 60 ft. of MCW, 60% WATER, 40% MUD
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____

Remarks: CHLORIDES: 67,000 ppm
PH: 6.0
RW: .08 @ 76 deg.

TOOL SAMPLE: 100% WATER

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 1:25 PM A.M. P.M. Time Started Off Bottom 4:02 PM A.M. P.M. Maximum Temperature 100 deg.

Initial Hydrostatic Pressure ..... (A) 1353 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 9 P.S.I. to (C) 40 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 627 P.S.I.
Final Flow Period ..... Minutes 45 (E) 44 P.S.I. to (F) 70 P.S.I.
Final Closed In Period ..... Minutes 52 (G) 638 P.S.I.
Final Hydrostatic Pressure ..... (H) 1351 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	**Representative**	TIM VENTERS
Contact	L.D. DAVIS	**Well Operator**	L.D. DRILLING, INC.
Well Name	JANICE #1-14	**Report Date**	2012/02/18
Unique Well ID	DST #5, ARBUCKLE, 3176-3230	**Prepared By**	TIM VENTERS
Surface Location	SEC 14-15S-12W, RUSSELL CO. KS.		
Field	WILDCAT	**Qualified By**	JOSH AUSTIN
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #5, ARBUCKLE, 3176-3230		
Well Fluid Type	01 Oil		
Start Test Date	2012/02/18	**Start Test Time**	10:09:00
Final Test Date	2012/02/18	**Final Test Time**	16:52:00

Test Recovery:

RECOVERED: 155' GIP
540'GO, 11% GAS, 89% OIL, GRAVITY: 36
125 G, W&MCO, 3% GAS, 58% OIL, 10% WATER, 29% MUD
60' SW&MCO, 83% OIL, 4% WATER, 13% MUD

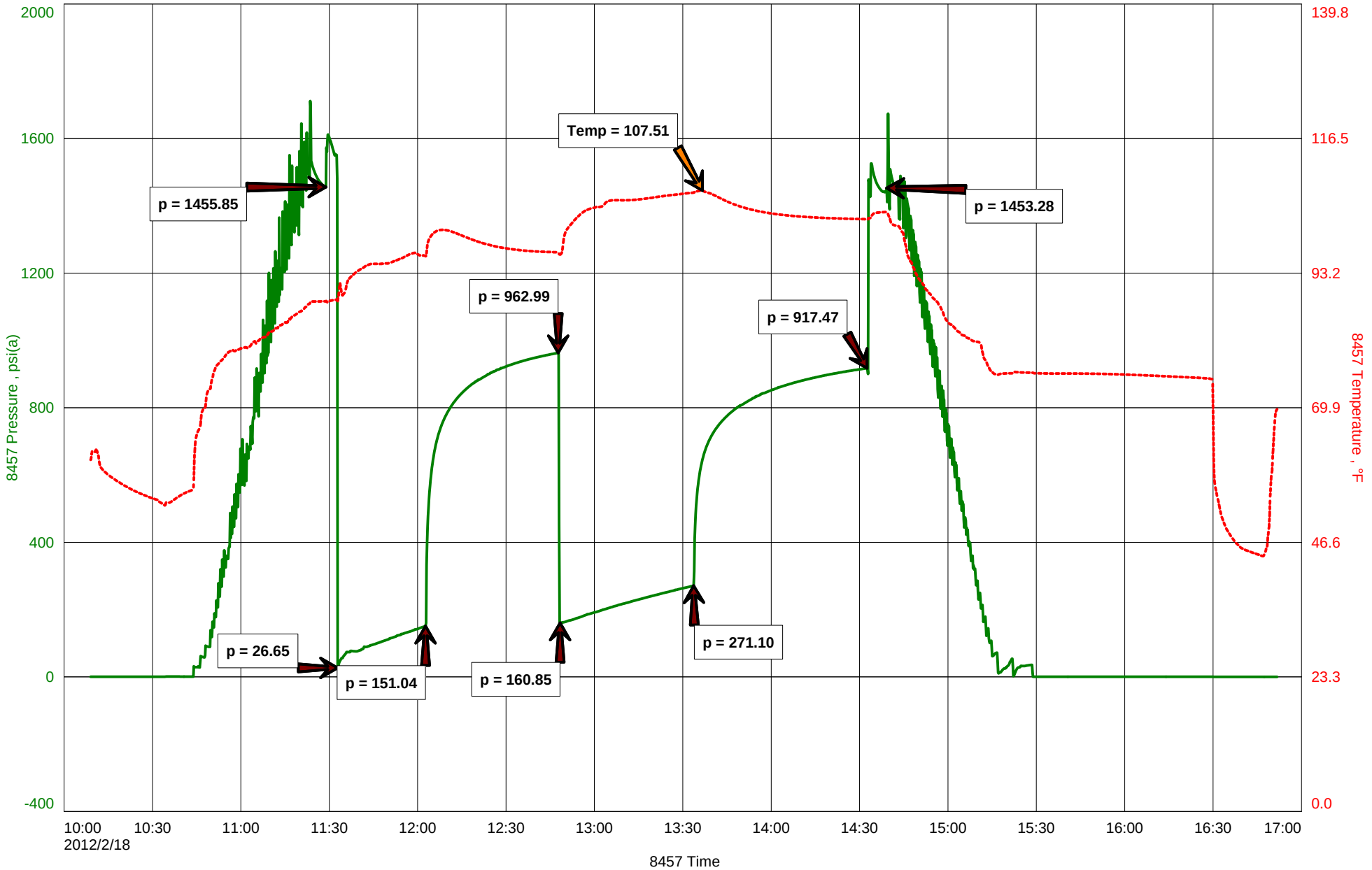
TOOL SAMPLE: 8% GAS, 38% OIL, 24% WATER, 30% MUD

CHLORIDES: 16,000 PPM
PH: 7.0
RW: .32 @ 68 deg.

L.D. DRILLING, INC.
DST #5, ARBUCKLE, 3176-3230
Start Test Date: 2012/02/18
Final Test Date: 2012/02/18

JANICE #1-14
Formation: DST #5, ARBUCKLE, 3176-3230
Pool: WILDCAT
Job Number: T018

JANICE #1-14



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

DRILL-STEM TEST TICKET
FILE: JANICE114DST5

TIME ON: 10:09
TIME OFF: 16:52

Company L.D. DRILLING, INC. Lease & Well No. JANICE #1-14
Contractor PETROMARK DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1782 KB Formation ARBUCKLE Effective Pay ____ Ft. Ticket No. T018
Date 2-18-12 Sec. 14 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 3176 ft. to 3230 ft. Total Depth 3230 ft.
Packer Depth 3171 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Packer Depth 3176 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3169 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3227 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 6,000 P.P.M. Drill Pipe Length 3030 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number ____ Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 23 ft. Size 4 1/2-FH in
31' DP IN ANCHOR
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: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 6 1/2 MIN. (WSBB)
2nd Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 9 MIN. (WSBB)

Recovered 155 ft. of GAS IN PIPE
Recovered 540 ft. of GO, 11% GAS, 89% OIL, GRAVITY: 36
Recovered 125 ft. of G, W&MCO, 3% GAS, 58% OIL, 10% WATER, 29% MUD
Recovered 60 ft. of SW&MCO, 83% OIL, 4% WATER, 13% MUD
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: CHLORIDES: 16,000 ppm
PH: 7.0
RW: .32 @ 68 deg.
TOOL SAMPLE: 8% GAS, 38% OIL, 24% WATER, 30% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 11:32 AM A.M. P.M. Time Started Off Bottom 2:32 PM A.M. P.M. Maximum Temperature 108 deg.

Initial Hydrostatic Pressure ..... (A) 1456 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 27 P.S.I. to (C) 151 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 963 P.S.I.
Final Flow Period ..... Minutes 45 (E) 161 P.S.I. to (F) 271 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 917 P.S.I.
Final Hydrostatic Pressure ..... (H) 1453 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name	**L.D. DRILLING, INC.**	**Representative**	**TIM VENTERS**
Contact	**L.D. DAVIS**	**Well Operator**	**L.D. DRILLING, INC.**
Well Name	**JANICE #1-14**	**Report Date**	**2012/02/19**
Unique Well ID	**DST #6, ARBUCKLE, 3230-3240**	**Prepared By**	**TIM VENTERS**
Surface Location	**SEC 14-15S-12W**		
Field	**WILDCAT**	**Qualified By**	**JOSH AUSTIN**
Well Type	**Vertical**		
Test Type	**CONVENTIONAL**		
Formation	**DST #6, ARBUCKLE, 3230-3240**		
Well Fluid Type	**01 Oil**		
Start Test Date	**2112/02/18**	**Start Test Time**	**22:04:00**
Final Test Date	**2012/02/19**	**Final Test Time**	**04:36:00**

Test Recovery:

RECOVERED: 65' GAS IN PIPE
375' GO, 10% GAS, 90% OIL
60' G, O&WCM, 6% GAS, 30% OIL, 18% WATER, 46% MUD

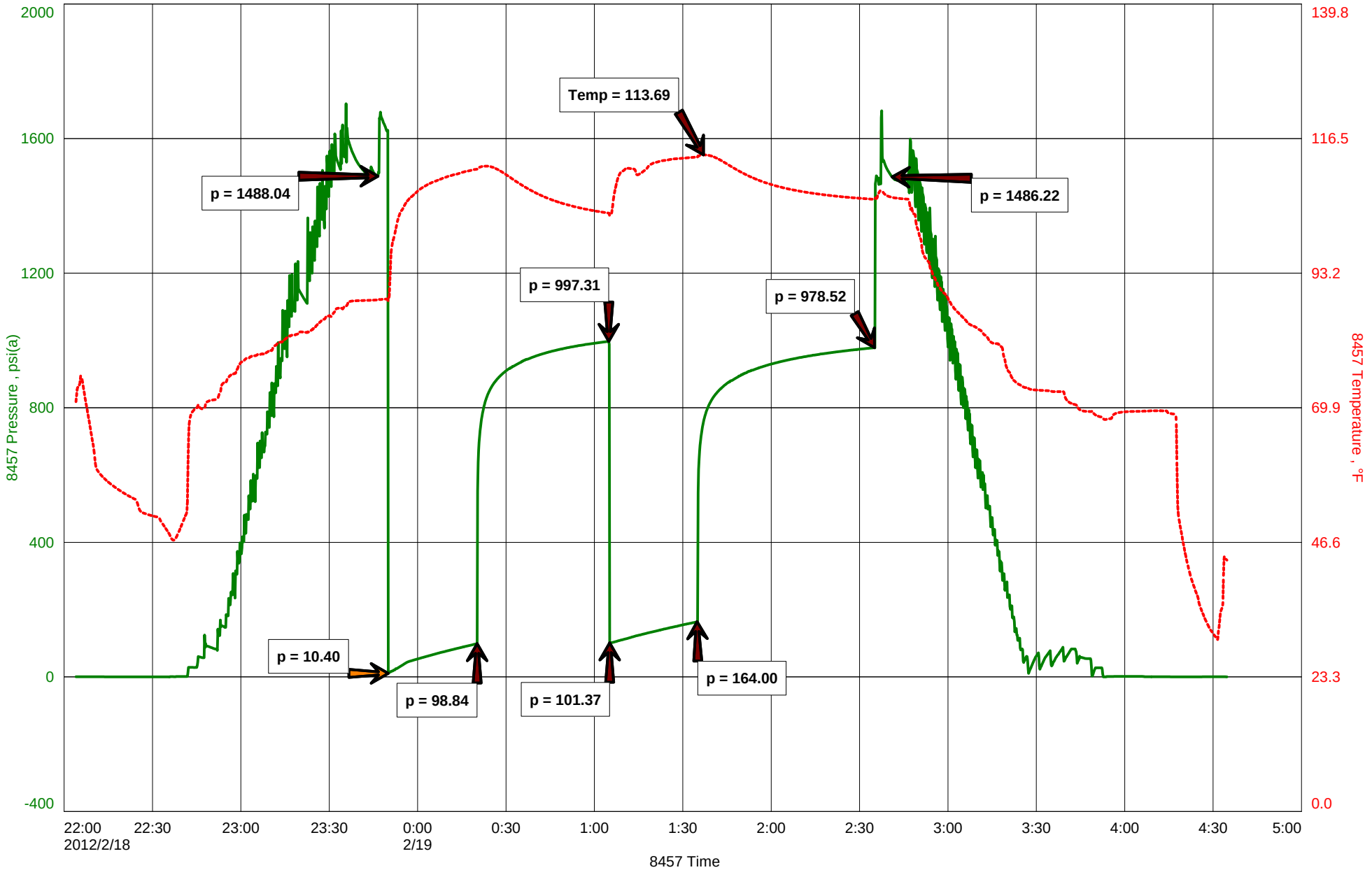
TOOL SAMPLE: 38% OIL, 17%WATER, 45% MUD

CHLORIDES: 15,000 ppm
PH: 6.5
RW: .43 @ 70 deg

L.D. DRILLING, INC.
DST #6, ARBUCKLE, 3230-3240
Start Test Date: 2112/02/18
Final Test Date: 2012/02/19

JANICE #1-14
Formation: DST #6, ARBUCKLE, 3230-3240
Job Number: T019

JANICE #1-14



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

DRILL-STEM TEST TICKET
FILE: JANICE114DST6

TIME ON: 22:04 2-18-12
TIME OFF: 04:36 2-19-12

Company L.D. DRILLING, INC. Lease & Well No. JANICE #1-14
Contractor PETROMARK DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1782 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. T019
Date 2-18-12 Sec. 14 Twp. 15 S Range 12 W County RUSSELL State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 6 Interval Tested from 3230 ft. to 3240 ft. Total Depth 3240 ft.
Packer Depth 3225 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3230 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 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3237 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 6,000 P.P.M. Drill Pipe Length 3084 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number _____ Test Tool Length 26 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 10 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: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 11 MIN. (1/4"BB)
2nd Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 20 MIN. (WSBB)

Recovered 65 ft. of GAS IN PIPE
Recovered 375 ft. of GO, 10% GAS, 90% OIL
Recovered 60 ft. of G, W&OCM, 6% GAS, 30% OIL, 18% WATER, 46%N MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: CHLORIDES: 15,000 ppm
PH: 6.5
RW: .43 @ 70 deg.
TOOL SAMPLE: 38% OIL, 17% WATER, 45% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 11:50 PM A.M. P.M. Time Started Off Bottom 2:35 AM A.M. P.M. Maximum Temperature 114 deg.

Initial Hydrostatic Pressure ..... (A) 1488 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 99 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 997 P.S.I.
Final Flow Period ..... Minutes 30 (E) 101 P.S.I. to (F) 164 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 979 P.S.I.
Final Hydrostatic Pressure ..... (H) 1486 P.S.I.

OPERATOR

Company:	L.D. Drilling, Inc.		
Address:	7 SW 25TH AVE Great Bend, KS 67530		
Contact Geologist:			
Contact Phone Nbr:	620-793-3051		
Well Name:	JANICE #1-14		
Location:	E2-NW-NE-SW 14-15s-12w	API:	15-167-23774-00-00
Pool:		Field:	HALL-GURNEY
State:	Kansas	Country:	USA

Scale 1:240 Imperial

Well Name:	JANICE #1-14		
Surface Location:	E2-NW-NE-SW 14-15s-12w		
Bottom Location:	8 5/8" @ 825'		
API:	15-167-23774-00-00		
License Number:			
Spud Date:	2/12/2012	Time:	5:34 PM
Region:	Russell County		
Drilling Completed:	2/19/2012	Time:	11:50 PM
Surface Coordinates:	2,310' FROM SOUTH LINE & 1940' FROM WEST LINE		
Bottom Hole Coordinates:			
Ground Elevation:	1777.00ft		
K.B. Elevation:	1782.00ft		
Logged Interval:	2600.00ft	To:	3320.00ft
Total Depth:	3320.00ft		
Formation:	Arbuckle		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:		Latitude:	
N/S Co-ord:	2,310' FROM SOUTH LINE		
E/W Co-ord:	1940' FROM WEST LINE		

LOGGED BY

Company:	Musgrove Petrolem		
Address:			
Phone Nbr:	620-546-3960		
Logged By:	Geologist	Name:	Josh Austin

CONTRACTOR

Contractor:	PETROMARK DRILLING		
Rig #:	2		
Rig Type:	mud rotary		
Spud Date:	2/12/2012	Time:	5:34 PM
TD Date:	2/19/2012	Time:	11:50 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1782.00ft	Ground Elevation:	1777.00ft
K.B. to Ground:	5.00ft		

NOTES

L.D. Drilling, Inc.

well comparison sheet

	DRILLING WELL Janice 1-14				COMPARISON WELL Kaufman 3				COMPARISON WELL Gustason 1			
	1782 KB				1802 KB		Structural Relationship		1802 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	2810	-1036	2818	-1036	2840	-1039	2	2				
Toronto	2837	-1055	2835	-1053								
Douglas	2849	-1067	2850	-1068								
Brown Lime	2905	-1123	2904	-1122								
Lansing	2916	-1134	2914	-1132	2930	-1128	-6	-4	2932	-1130	-4	-2
Base KC	3180	-1398	3180	-1398								
Conglomerate	3198	-1416	3198	-1416	3220	-1418	2	2				
Arbuckle	3224	-1442	3224	-1442	3265	-1463	21	21	3244	-1442	FLAT	FLAT
Total Depth	3320	-1538	3310	-1536	3297	-1495			3256	-1454		

ROCK TYPES

Coal, Chtcongl, Dolprim, Dolsec, sdy lmst, Lmst fw<7, Lmst fw7>, shale, grn, shale, gry, Carbon Sh, shale, red, Ss, Igne

ACCESSORIES

MINERAL
- Chert, dark

FOSSIL
- Oolite
- Oomoldic

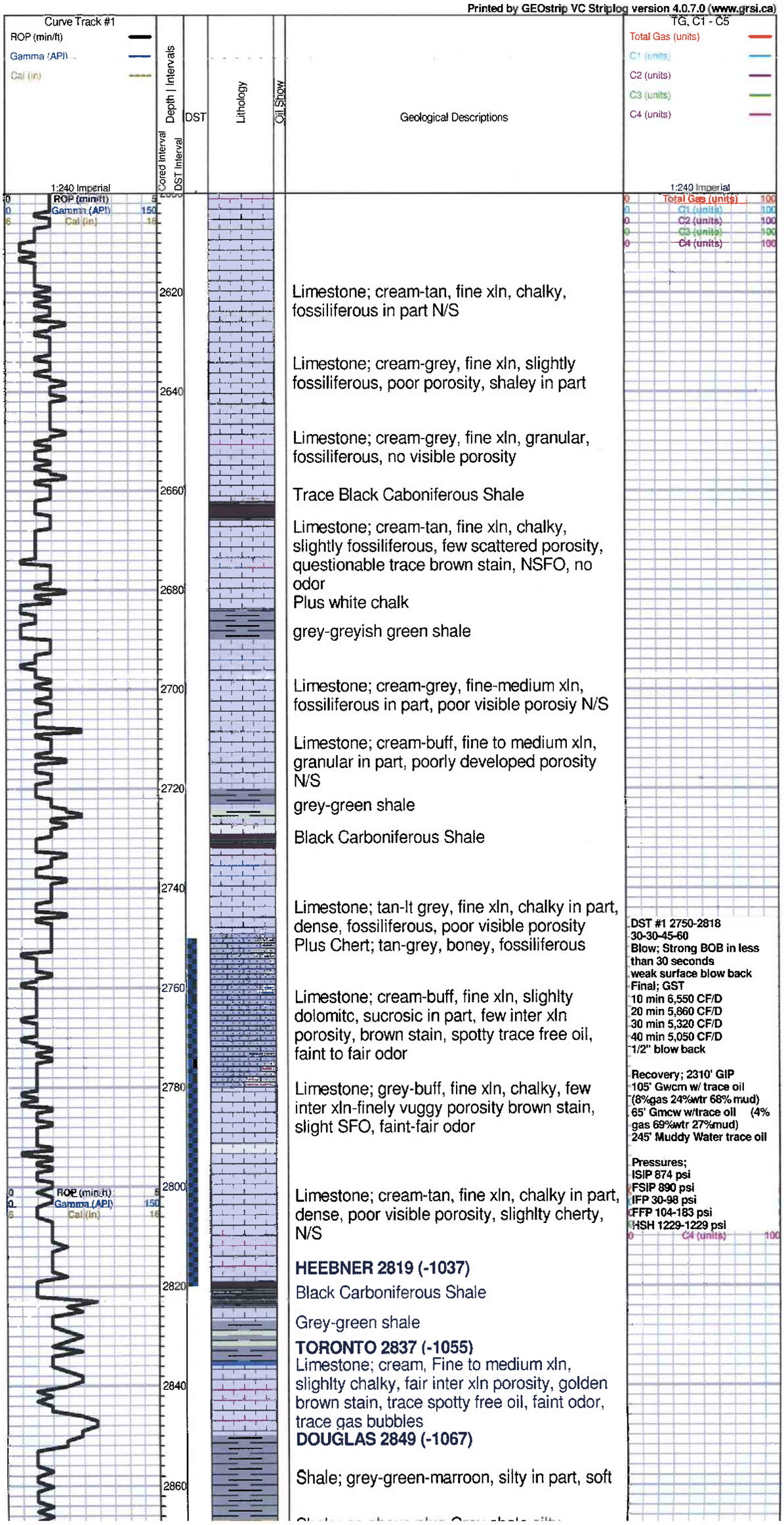
STRINGER
- Sandstone

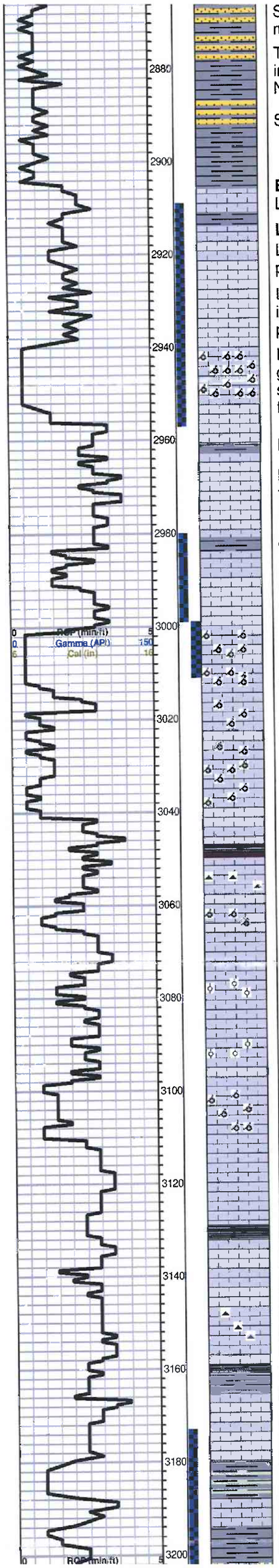
▲ Chert, dark ◊ Oolite ◊ Oomoldic ⋰⋰ Sandstone

OTHER SYMBOLS

DST
DST Int
DST alt
Core
tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Shale; as above plus Grey shale silty micaceous in part

Trace Sand; grey, very fine grained, poor inter-granular porosity, micaceous in part, N/S

Sand and Shale as above

BROWN LIME 2905 (-1123)
Limestone; tan-buff, fine xln, dense, cherty

LANSING 2916 (-1134)
Limestone; cream, fine xln, chalky, poor porosity, brown spotty stain, NSFO, faint odor

Limestone; grey-cream, fine xln, highly oolitic in part, slighlty chert poorly developed porosity

Limestone; cream-tan, chalky, oomoldic, fair-good oomoldic porosity, brown-golden brown stain, trace of free oil, few gas bubbles, faint-fair odor

Dark grey-black shale

Limestone; cream-buff, fine xln, highly oolitic, few scattered porosity, trace brown stain, NSFO (dense) cherty in part

gry shale

Limestone; cream-Tan, oolitic, sub oomoldoc in part, fair-good oomoldic porosity, brown-black stain, SFO, faint odor

Limestone; cream-white, fine xln, oomoldic, chalky, fair-good oomoldic porosity, golden brown stain, trace spotty free oil, faint odor

Limestone; cream, chalky, oolitic, oomoldic, fair-good oomoldic porosity (barren)

Limestone; as above

Black Carboniferous Shale

Limestone; buff-grey, micro-fine xln, dense, cherty, no visible porosity, plus Chert; dark grey-black, boney

Limestone; lt. grey, chalky, oolitic, sub oomoldic, fair oomoldic porosity, trace brown stain, no show of free oil, very faint gassy odor

Limestone; cream-buff, finely oolitic, chalky in part, fair fossil cast type porosity, brown spotty stain, slight show of free oil, faint odor

Limestone; tan-buff, highly oolitic, dense, poor visible porosity, plus white chalk

Limestone, cream-white, chalky, oomoldic, fair oomoldic porosity, questionable golden brown spotty stain, no show of free oil, no odor

Limestone; grey-cream, micro-fine xln, chalky in part, dense, slighlty oolitic, poor visible porosity, no shows

Trace black carboniferous shale

Limestone; cream-white, micro-fine xln, dense, cherty in part, no shows

Plus Chert; tan-smokey grey, boney

Black-grey-greyish green; Shale

Limestone; cream-buff, fine xln, fossiliferous in part, poorly developed porosity, no shows

BASE KANSAS CITY 3180 (-1398)
Grey-green-marroon shale

Limestone; cream, fine xln, chalky, dense

Shale; grey-green-marroon

DST #2 2908-2955
30-45-30-60
Blow; BOB in 1 1/2 mins
Final; BOB in 15 mins

Recovery; 35' wcm
215' mcw

Pressure;
ISIP 811 psi
FSIP 795 psi
IFP 30-97 psi
FFP 103-140 psi
HSH 1319-1313 psi

DST #3 2980-3000
30-45-45-60
Blow; BOB in 10 mins
weak surface blowback
Final; BOB in 27 minutes
weak surface blow back

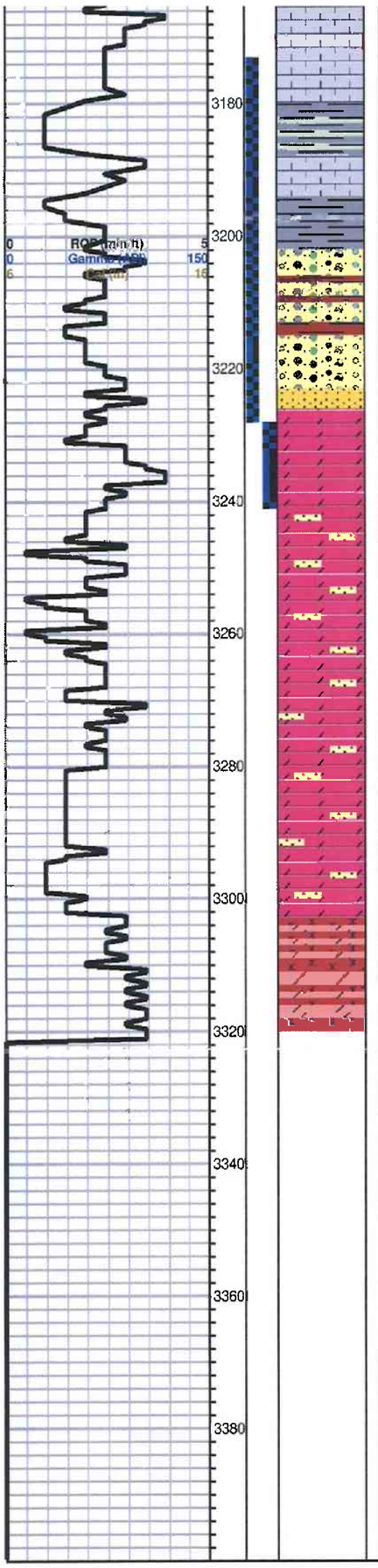
Recovery;
170' GIP
20' O&WCM
(14%O 35%W 51%M)
65' Sli O&MCW
(3%O 69%W 28%M)
120' vsli MCW

Pressure
ISIP 583 psi
FSIP 571 psi
IFP 16-64 psi
FFP 70-99 psi
HSH 1352-1350 psi

DST #4 3000-3015
30-30-45-45
Blow; Built to 5"
Final built to 4"
no blow back
Recovery;
75' sli MCW
60' MCW
Pressure;
ISIP 627 psi
FSIP 638 psi
IFP 9-40 psi
FFP 44-70 psi
HSH 1353-1351 psi

DST #5 3176-3230
30-45-45-60
Blow; BOB in 6 1/2 min
weak blow back
Final BOB in 9 min
weak blow back

Recovery:
155' GIP
540' Clean Gassy Oil



Limestone; cream-buff, fine xln, fossiliferous in part, poorly developed porosity, no shows

BASE KANSAS CITY 3180 (-1398)
Grey-green-marroon shale

Limestone; cream, fine xln, chalky, dense

Shale; grey-green-marroon

Chert; yellow-orange-grey-pink, oolitic in part, boney, plus brick red soft shale

abundant Chert as above plus soft red shale

Sand; cream-white, very fine grained, sub angular, sub rounded, poorly sorted, no

ARBUCKLE 3324 (-1442)
Dolomite; white, fine-medium xln, slighlty sucrosic, sandy/granular in part, cherty, few inter xln porosity, brown stain, slight show of free oil, faint odor

Dolomite; grey-white, fine xln, granular/sandy, poorly developed porosity, cherty, no shows

Dolomite; cream-white, fine-medium xln, granular/sandy in part, few scattered porosity, slightly sucrosic, cherty, no shows

Dolomite as above, sandy, plus white-lt grey boney chert

Dolomite; cream, sandy/granular, poorly developed porosity, no shows

GRANITE WASH 3302 (-1520)

Quartz; clear-pinkish

Quartz as above

ROTARY TOTAL DEPTH 3320 (-1538)

DST #5 3176-3230
30-45-45-60
Blow; BOB in 6 1/2 min
weak blow back
Final BOB in 9 min
weak blow back

Recovery;
155' GIP
540' Clean Gassy Oil
185' mud cut oil

Pressures;
ISIP 963 psi
FSIP 917 psi
IFP 27-151 psi
FFP 161-271 psi
HSH 1456-1453 psi

DST #6 3230-3240
30-45-30-60
Blow; BOB in 11 minutes
1/4" blow back
Final BOB in 20 minutes
weak surface blow back

Recovery;
65' GIP
375' gassy oil
60' GW&OCM
(6%g, 30%o, 18%w, 46%m)

Pressure;
ISIP 997 psi
FSIP 979 psi
IFP 10-99 psi
FFP 101-164 psi
HSH 1488-1486 psi