



KANSAS CORPORATION COMMISSION 1082095
OIL & GAS CONSERVATION DIVISION

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:

- New Well Re-Entry Workover
 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 West
2310 Feet from North / South Line of Section
1940 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE 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 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 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:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 05/22/2012



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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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: <u>2.875</u> Set At: <u>3308</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>02/27/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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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

Layer	Top	Bottom
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	Type 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
PRODUC TION	7.875	5.5	14	3316	COMMON	150	
RATHOLE	7.875	5.5	14	3316	60/40 POZMIX	30	

Customer T.D. Drilling INC	Lease No.	Date 2-13-12
Lease JANICE	Well # # 1-14	
Field Order # 05234A	Station Pratt, Ks	Casing # 8 5/8"
Type Job 8 5/8" Surface	Formation CNW	Depth 205' TO
		County Russell
		State KS
		Legal Description 19-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8"	Tubing Size	Shots/Ft	200	Acid	SKS A-con Blend	RATE	PRESS
Depth 215'	Depth	From	To	Pre Pad	Common	Max	ISIP 12.6 #
Volume 49.35	Volume	From	To	Pad		Min	5 Min.
Max Press 500 #	Max Press	From	To	Frac		Avg	10 Min.
Well Connection PC	Annulus Vol.	From	To			HHP Used	Annulus Pressure
Plug Depth 275'	Packer Depth	From	To	Flush DISP H2O		Gas Volume	Total Load

Customer Representative Tom TP	Station Manager scotty	Treater Allen
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Service Units	28443	19886	19843	19832	21010
Driver Names	Allen	Brad	Mitchell	Mike	Lawrence

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
10:00 AM					on Loc. Discuss Safety Setup Plan Job Rig Drilling @ 215'
11:5					Hole cut 825' CIR w/ Rig.
138					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
400					Rig up to Run 8 5/8 casing 24'
					Start Casing 39' Shoe Joint Baffle in collar. Run 20 Jts
					Casing @ 85' 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" C.F.
			42 3/4		Finish mix - Release Top Rubber Plug.
				4	Start DISP.
6:30	300 #		49 1/2	2	Plug down shut w/ well
					Release PSI - OK.
					Washup Equip + Rackup Truck
					Job complete
					Thanks
					Allen, Brad, Mike L.



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 <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> 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 - 5 1/2" L.S.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37586	1.5						2-19-12		8:00
19889-19843	1.5					ARRIVED AT JOB		PM	11:00
19831-198162	1.5					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: *Janet 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	100/40 P02	SK	30		360.00
CC102	CELL FLAKE	lb	38		140.60
CC112	CEM. FRICTION REDUCER	lb	43		258.00
CC113	GYP SUM	lb	705		528.75
CC129	FIA-322	lb	43		322.50
CC200	CEMENT GEL	lb	282		70.50
CF103	TOP RUBBER CMT. PLUG, 5 1/2"	EA	1		105.00
CF251	REGULAR GUIDE SHOE, 5 1/2"	EA	1		250.00
CF1451	FLAPPER TIRE INSERT/FLOAT VALVE, 5 1/2"	EA	1		215.00
CF1651	TURBOLIZER, 5 1/2"	EA	6		660.00
CC151	MOD FLUSH	GAL	1000		860.00
E100	DICKUP 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 **9,238.75**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: *Lesley* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Janet 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 #	04640	Station	Pratt, Ks.	Casing	5 1/2"
				Depth	
Type Job	CNW - 5 1/2" L.S.	Formation	TD - 3320'	County	RUSSELL
				State	KS.
				Legal Description	R-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	5 1/2" x 14"	Shots/Ft	CMT-	Acid	150SK COMMON	RATE	PRESS	ISIP
Depth	3320'	From	To	Pre Pad	@ 1.43 CWT	Max		5 Min.
Volume	81.05 BBL	From	To	Pad		Min	5.5 - 21.40'	10 Min.
Max Press	1500	From	To	Frac		Avg		15 Min.
Well Connection	P.C.	From	To			HHP Used		Annulus Pressure
Plug Depth	3300.73	From	To	Flush	80.5 H ₂ O	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
11:00 PM					ON LOCATION - SAFETY MEETING
11:05 PM					SPOT TRUCK ON LOC.
11:10 PM					RUN 89 JTS. 5 1/2" x 14" CSG.
5					TURBO. - 1, 3, 5, 7, 9, 11
12:45 AM					CSG. ON BOTTOM
12:46 AM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
1:45 AM	250		5	6	H ₂ O AHEAD
1:46 AM	250		24	6	MUD FLUSH
1:49 AM	250		5	6	H ₂ O SPACER
1:50 AM	200		38	6	MIX 150 SKS. COMMON @ 14.73 PPG
1:56 AM					CLEAR PUMP & LINE - DROP T.R. PLUG
2:00 AM	0		0	6	START DISPLACEMENT
2:10 AM	300		62	5	LIFT PRESSURE
2:12 AM	500		70	4	SLOW RATE
2:15 AM	1500		80.5	3	PLUG DOWN - HELD
					CIRC. THRO JOB
			6		PLUG R.H. W/ 30SK 60/40 R02
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY

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
 Pool: API: 15-167-23774-00-00
 State: Kansas Field: HALL-GURNEY
 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 Petroleum
 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					COMPARISON WELL				COMPARISON WELL			
Janice 1-14					Karlman 3				Gustason 1			
1782-RR					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
Bechner	2810	-1036	2810	-1036	2840	-1039	2	2				
Toronto	2837	-1055	2833	-1053								
Douglas	2849	-1067	2850	-1068								
Brown Linn	2905	-1123	2904	-1122								
Lansing	2916	-1134	2914	-1132	2930	-1128	-6	-4	2932	-1130	-4	-2
Base RC	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	3318	-1536	3297	-1493			3256	-1454		

ROCK TYPES

Coal
 Chtcongl
 Dolprim
 Dolsec
 sdy lmsc
 Lmsc fw7
 Lmsc fw7
 Lmsc fw7>
 shale, grn
 shale, gry
 Carbon Sh
 shale, red
 Ss
 Igne

ACCESSORIES

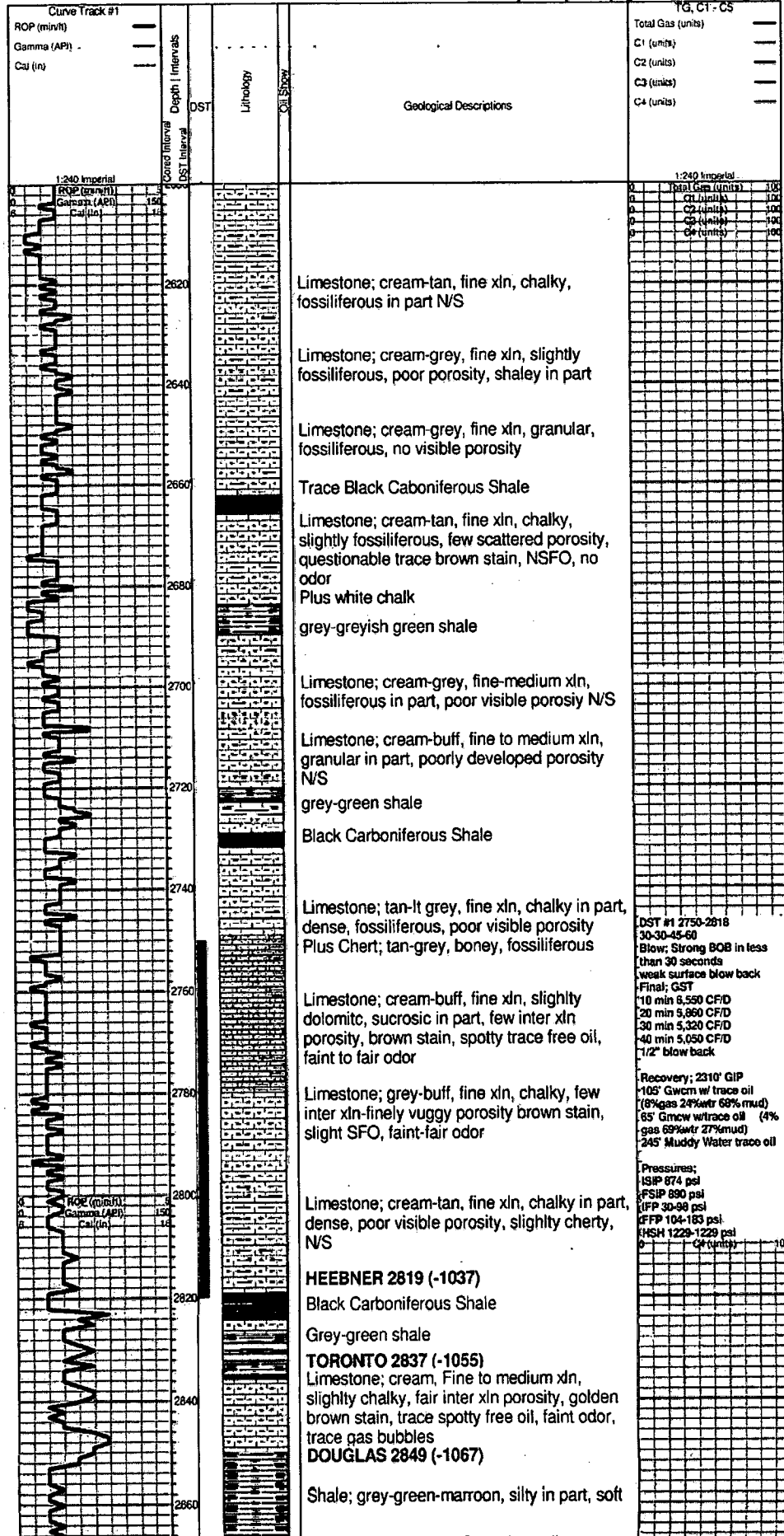
MINERAL
 ▲ Chert, dark
 FOSSIL
 ◇ Oolite
 ▲ Oomoldic
 STRINGER
 ○ Sandstone

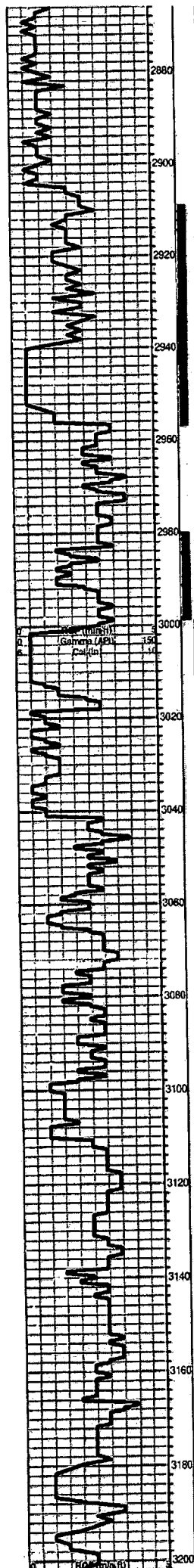
▲ Chert, dark ◊ Oolite ... Sandstone
 ▲ Oolitic

OTHER SYMBOLS

DST
 ▨ DST Int
 ▩ DST alt
 ● Core
 || tail pipe

Printed by GEDstrip 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, NS

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, slightly 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

grey 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, slightly 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-maroon shale

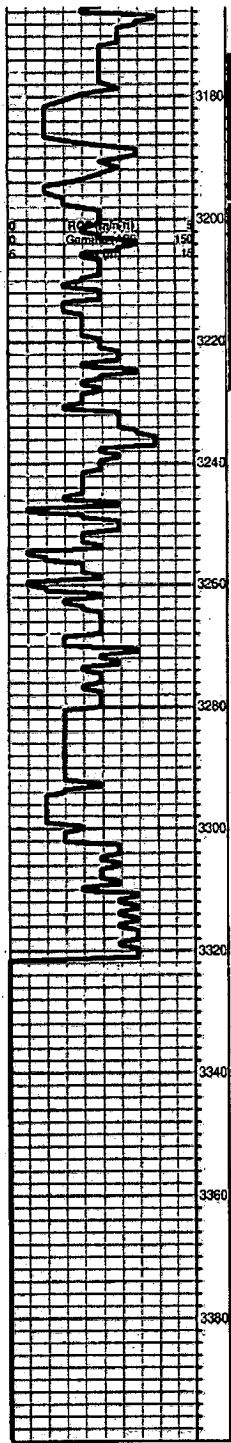
Limestone; cream, fine xln, chalky, dense
 Shale; grey-green-maroon

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;
 GSIP 811 psi
 FSIP 785 psi
 FFP 30-97 psi
 FFP 163-140 psi
 HSH 1318-1313 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&W 51% M)
 65' SII O&MCW
 (3% O&W 28% M)
 120' vsII MCW
 Pressure
 GSIP 583 psi
 FSIP 571 psi
 FFP 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' all MCW
 60' MCW
 Pressure;
 GSIP 627 psi
 FSIP 638 psi
 FFP 9-40 psi
 FFP 44-70 psi
 HSH 1353-1351 psi

DST #5 3178-3230
 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
 1540' Clean Gassy Oil



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

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

Limestone; cream, fine xln, chalky, dense
Shale; grey-green-maroon

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, slightly 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
1185' mud cut oil

Pressures;
ISIP 963 psi
FSIP 917 psi
FFP 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&OCH
(6%g, 30%o, 16%w, 46%a)

Pressure;
ISIP 997 psi
FSIP 979 psi
FFP 10-99 psi
FFP 101-184 psi
HSH 1488-1488 psi

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.	Qualified By	JOSH AUSTIN
Field	WILDCAT		
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

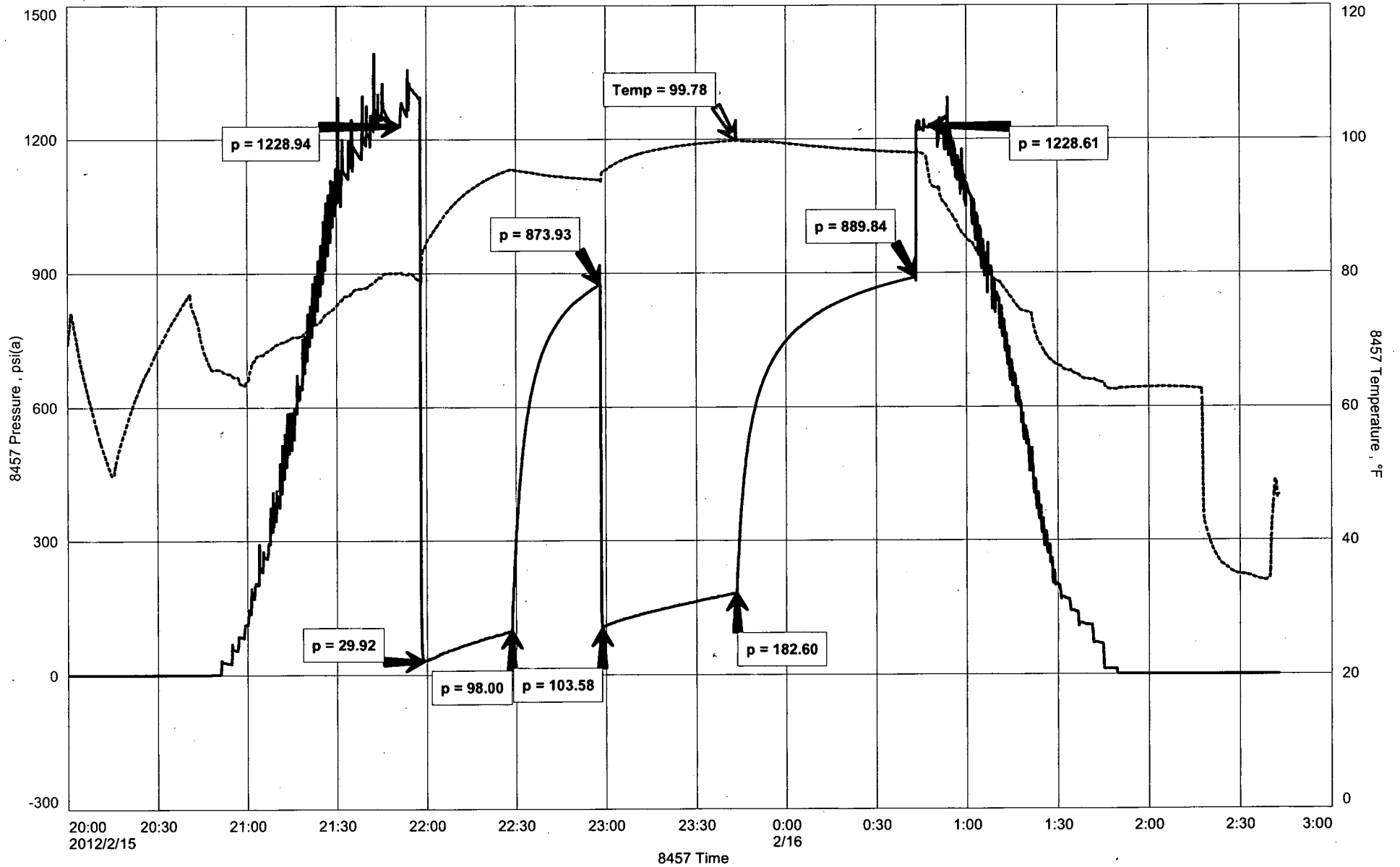
TOOL SAMPLE: 100% WATER

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

L.D. DRILLING, 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.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31" DP IN ANCHOR} 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: _____	Insurance
_____	Total

TOOL SAMPLE: 100% WATER

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 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.

DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name JANICE #1-14
Unique Well ID DST #2, LANSING "A-B", 2908-2955
Surface Location SEC 14-15S-12W
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, LANSING "A-B", 2908-2955
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2012/02/16
Prepared By TIM VENTERS
Qualified By JOSH AUSTIN

Start Test Date 2012/02/16
Final Test Date 2012/02/16

Start Test Time 12:42:00
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

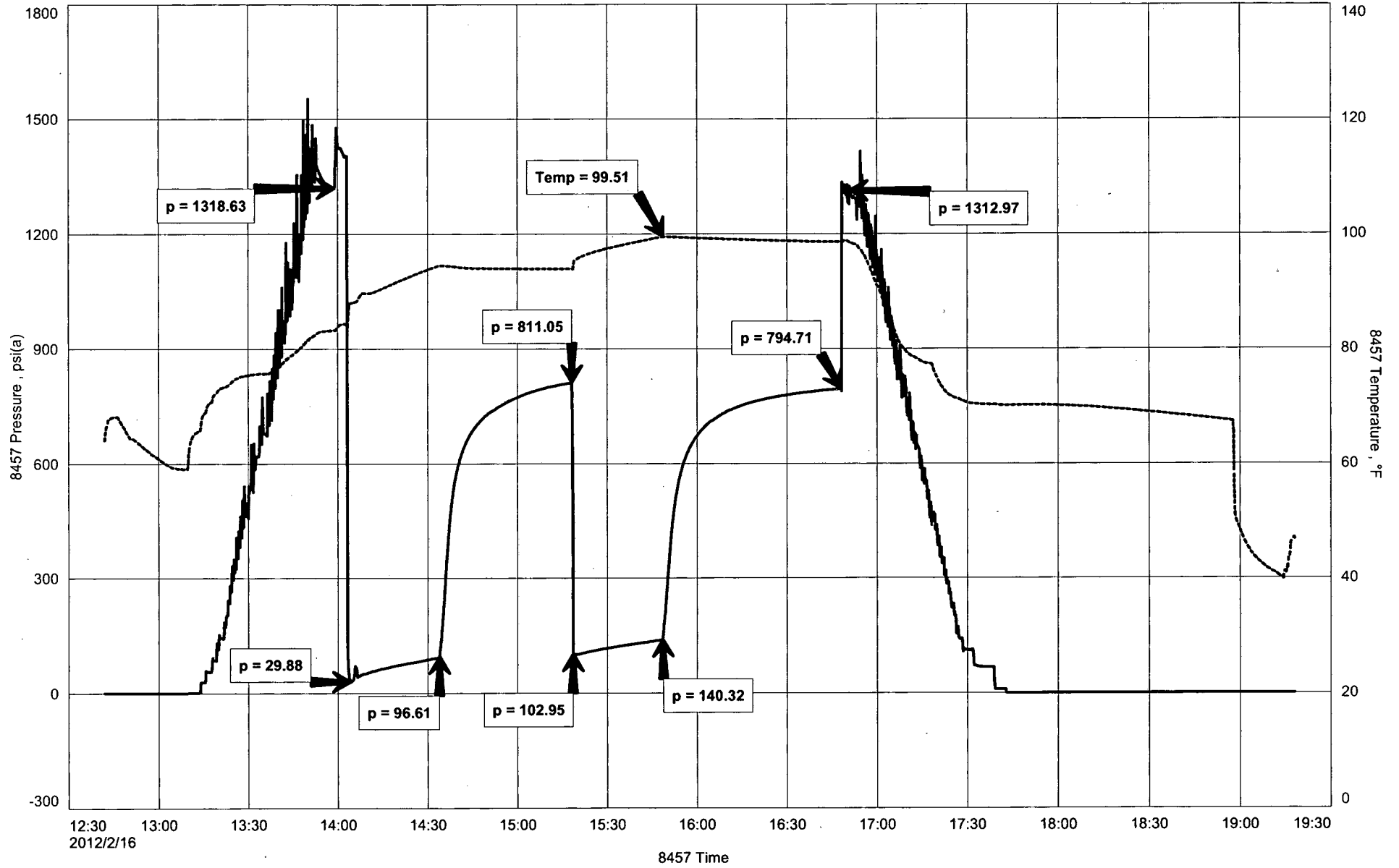
TOOL SAMPLE: 100% WATER

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.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} 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 _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: 100% WATER	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.

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DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name JANICE #1-14
Unique Well ID DST #3, LANSING "E-F", 2980-3000
Surface Location SEC 14-15S-12W, RUSSELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, LANSING "E-F", 2980-3000
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2012/02/17
Prepared By TIM VENTERS
Qualified By JOSH AUSTIN

Start Test Date 2012/02/17
Final Test Date 2012/02/17

Start Test Time 01:31:00
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

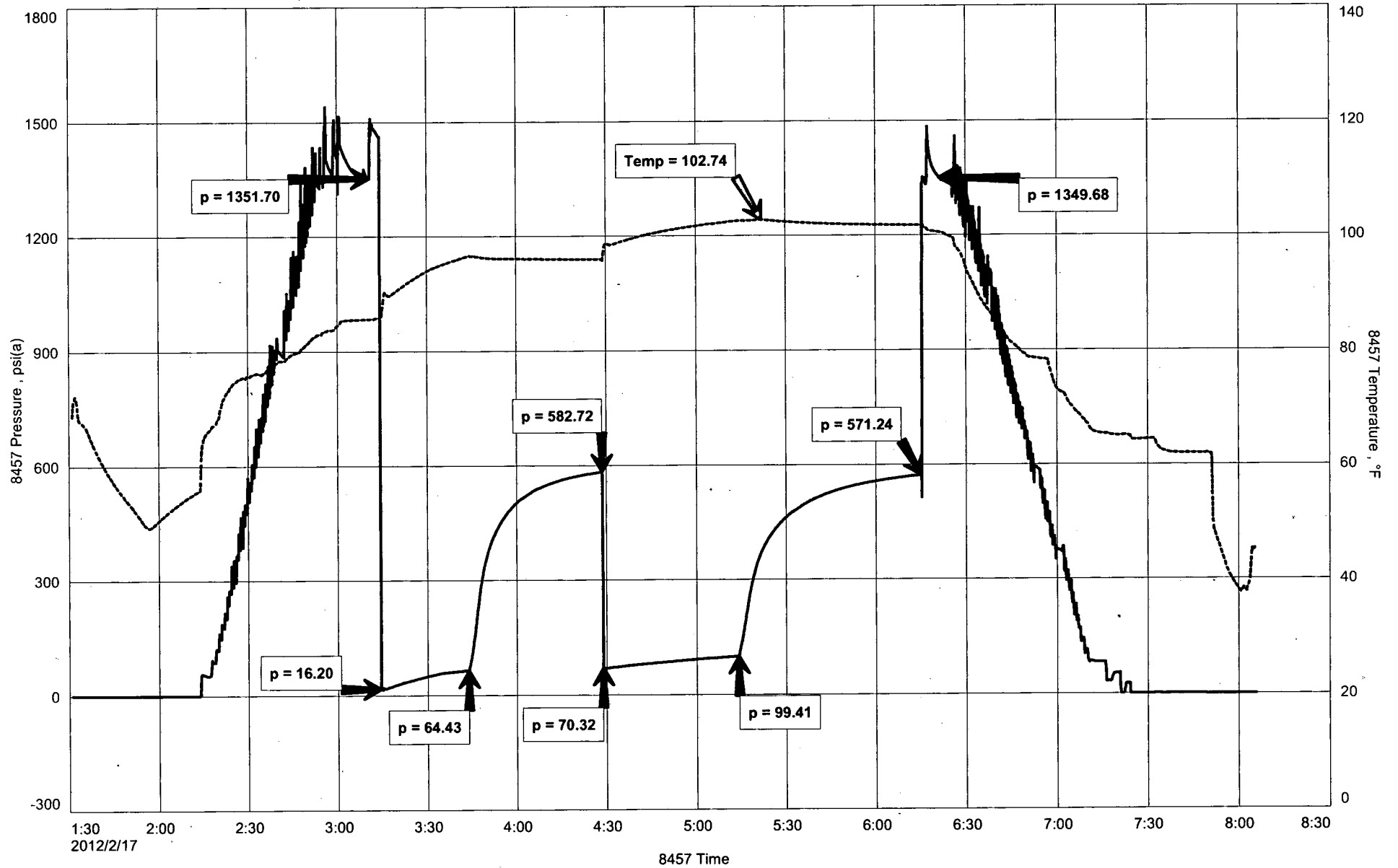
TOOL SAMPLE: 100% WATER

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 _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

TOOL SAMPLE: 100% WATER
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 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.

DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name JANICE #1-14
Unique Well ID DST #4, LANSING "G", 3000-3015
Surface Location SEC 14-15S-12W, RUSSELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, LANSING "G", 3000-3015
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2012/02/17
Prepared By TIM VENTERS
Qualified By JOSH AUSTIN

Start Test Date 2012/02/17
Final Test Date 2012/02/17

Start Test Time 12:21:00
Final Test Time 17:31:00

Test Recovery:

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

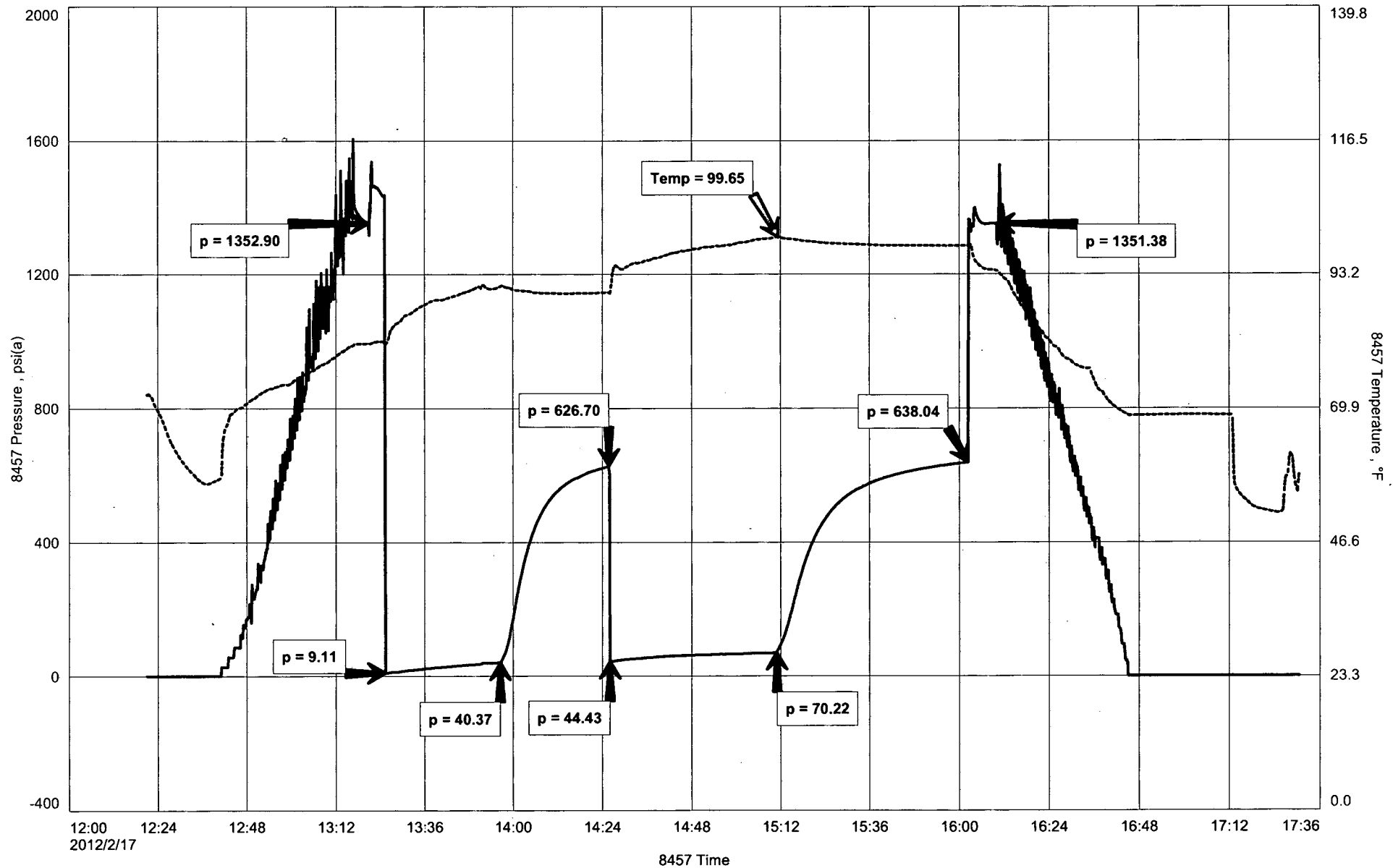
TOOL SAMPLE: 100% WATER

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 _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% WATER	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 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.

DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name JANICE #1-14
Unique Well ID DST #5, ARBUCKLE, 3176-3230
Surface Location SEC 14-15S-12W, RUSSELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #5, ARBUCKLE, 3176-3230
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2012/02/18
Prepared By TIM VENTERS
Qualified By JOSH AUSTIN

Start Test Date 2012/02/18
Final Test Date 2012/02/18

Start Test Time 10:09:00
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

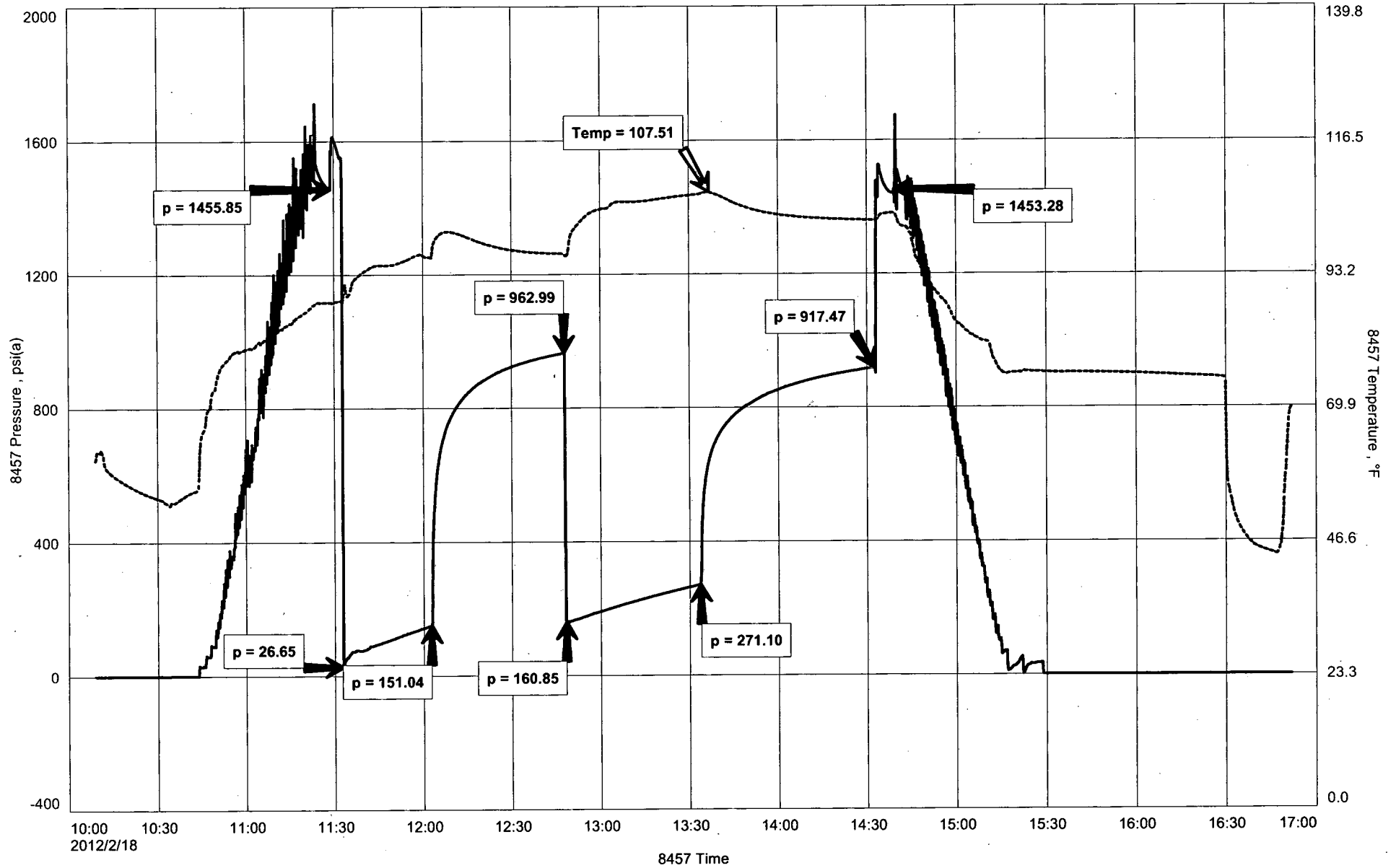
TOOL SAMPLE: 8% GAS, 38% OIL, 24% WATER, 30% MUD

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.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} 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 _____	Price Job
Recovered _____ ft. of <u>CHLORIDES: 16,000 ppm</u>	Other Charges
Remarks: <u>PH: 7.0</u>	Insurance
<u>RW: .32 @ 68 deg.</u>	
<u>TOOL SAMPLE: 8% GAS, 38% OIL, 24% WATER, 30% MUD</u>	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 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.

DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name JANICE #1-14
Unique Well ID DST #6, ARBUCKLE, 3230-3240
Surface Location SEC 14-15S-12W
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #6, ARBUCKLE, 3230-3240
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2012/02/19
Prepared By TIM VENTERS
Qualified By JOSH AUSTIN

Start Test Date 2112/02/18
Final Test Date 2012/02/19

Start Test Time 22:04:00
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

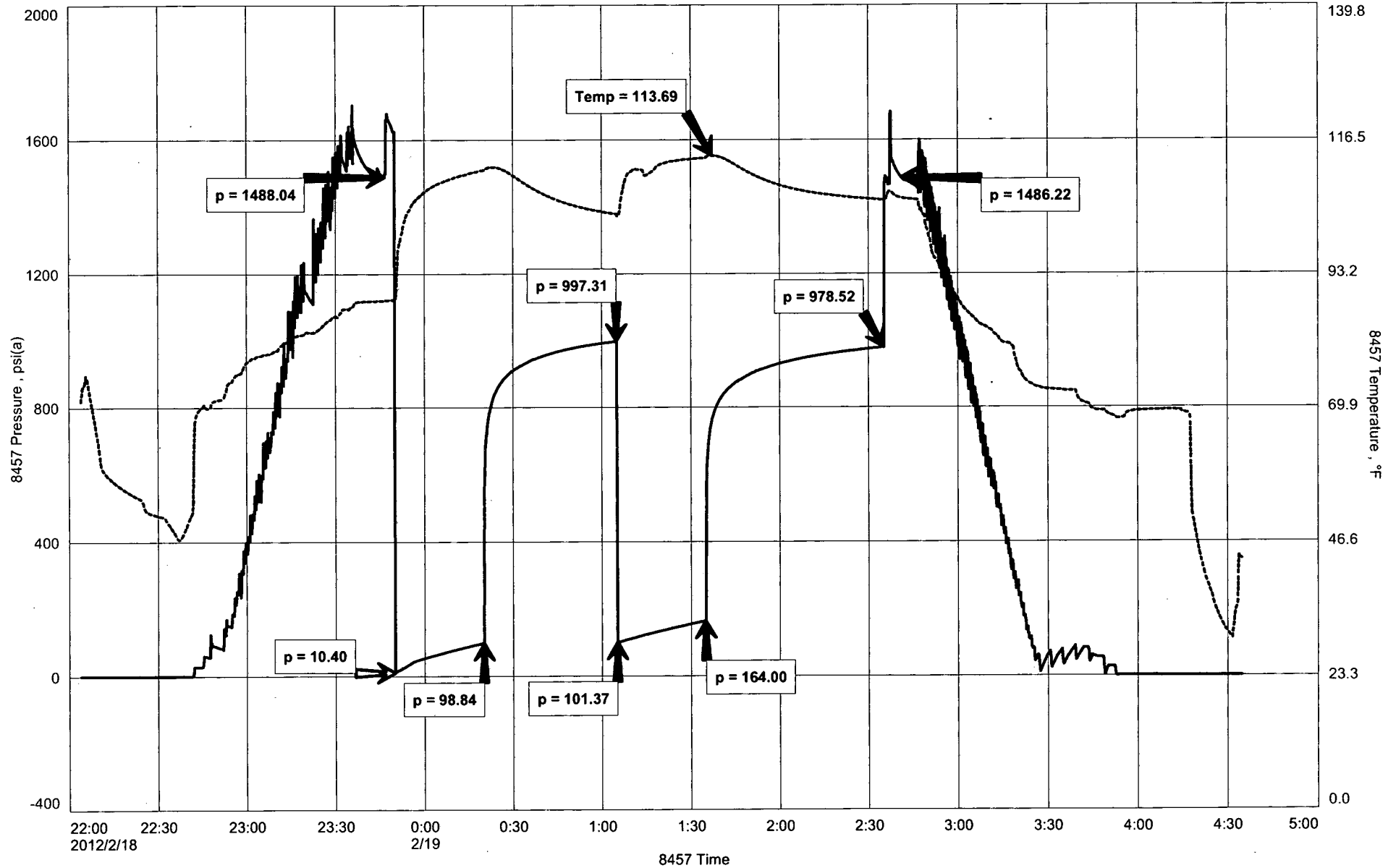
TOOL SAMPLE: 38% OIL, 17% WATER, 45% MUD

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 _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	Total
TOOL SAMPLE: 38% OIL, 17% WATER, 45% MUD	

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.

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.