



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1247334  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1247334

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	WANDA 1-25
Doc ID	1247334

Tops

Name	Top	Datum
ANHYDRITE	587	+1229
BASE ANHYDRITE	607	+1209
HEEBNER	3000	-1257
TORONTO	3014	-1275
DOUGLAS	3030	-1289
BROWN LIME	3131	-1387
LANSING	3145	-1403
ARBUCKLE	3399	-1576



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 12115 A

25 205 12W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>2-4-15</b> DISTRICT _____	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 <b>LD Drilling, Inc</b>	LEASE <b>Wanda</b> WELL NO. <b>1-25</b>									
ADDRESS _____	COUNTY <b>Stafford</b> STATE <b>Ks</b>									
CITY _____ STATE _____	SERVICE CREW <b>Scott, Shawn, Dale</b>									
AUTHORIZED BY <b>David</b>	JOB TYPE: <b>8 5/8 surface pipe snw</b>									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<b>27463</b>	<b>15</b>						<b>ARRIVED AT JOB</b>	<b>2/3/15</b>	<b>AM</b>	<b>10:00</b>
<b>19862</b>	<b>25</b>						<b>START OPERATION</b>	<b>2/3/15</b>	<b>AM</b>	<b>11:35</b>
							<b>FINISH OPERATION</b>	<b>2/4/15</b>	<b>PM</b>	<b>12:05</b>
							<b>RELEASED</b>	<b>2/4/15</b>	<b>PM</b>	<b>12:45</b>
							<b>MILES FROM STATION TO WELL</b>			

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: *[Signature]*  
(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	175		3150.00
CP100C	Common Cement	SK	175		2800.00
CC102	Celloflure	lb	88		325.60
CC109	Calcium Chloride	lb	825		866.25
CF105	Top Rubber Cement Plug 8 5/8 Ea		1		225.00
CC131	Sugar	lb	50		250.00
E100	Unit Mileage Charge Pickups	MI	45		202.50
E101	Heavy Equipment Mileage	MI	90		675.00
E113	Prop & Bulp Delivery Charges	TM	74.3		1856.25
CE200	Depth Charge 0-500'	4hrs	1		1000.00
CE240	Blending & Mixing Service Chrg	SK	350		490.00
CE504	Plug Containers Utilization	Job	1		250.00
S003	Service Supervisor first 8hrs	5u	1		175.00

SUB TOTAL **12,265.60**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<b>8585.92</b>

Discounted Total **8585.92**

SERVICE REPRESENTATIVE <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO. \_\_\_\_\_





# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>L.O. Dally</i>	Lease No.	Date
Lease <i>WANDS</i>	Well # <i>1-25</i>	<i>02-09-15</i>
Field Order # <i>11724</i>	Station <i>PRA #</i>	Casing
Type Job <i>CPW P.T.A</i>	Formation	Depth
		County <i>BARTON</i>
		State <i>KC</i>
		Legal Description <i>25-20-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>DAVE SETH</i>	Treater <i>Robert</i>
Service Units	<i>37900 78982 816079 70959 21010</i>	
Driver Names	<i>Sullivan Eccles Bandy</i>	

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>5:00</i>					<i>ON LO</i>
					<i>P.T.A.</i>
<i>5:40</i>	<i>100</i>		<i>5</i>	<i>3</i>	<i>ST SPACER Bottom Hole @ 3379</i>
			<i>12</i>		<i>mix emt 50 sk 60/40 per</i>
			<i>5</i>		<i>SPACER</i>
			<i>41</i>		<i>WUP</i>
<i>6:00</i>				<i>3</i>	<i>shot down</i>
<i>7:20</i>			<i>5</i>		<i>ST SPACER 600'</i>
			<i>12</i>		<i>mix emt 50 sk</i>
<i>7:30</i>			<i>6</i>		<i>Disp a shot down</i>
<i>7:40</i>			<i>2</i>		<i>ST SPACER</i>
			<i>25</i>		<i>mix emt 100 sk 460'</i>
<i>7:50</i>			<i>1</i>		<i>Disp</i>
<i>8:00</i>			<i>5</i>		<i>Plug TOP 40 ft</i>
			<i>7</i>		<i>Plug RAY Hole</i>
<i>8:15</i>					<i>SOB Complete</i>
					<i>THANK YOU</i>



# Musgrove

Petroleum Geology  
212 Main Street, Claflin KS

## Geologist's Report

Company: L. D. Drilling Inc.

Lease: Wanda 1-25

Field: Chase-Silica

Surface Location: SE-SE-NW-SE (1630' FSL & 1630' FEL)

Sec: 25 Twp: 20S Rge: 12W

County: Barton State: Kansas

GL: 1818' KB: 1823'

Contractor: Petromark Drilling Rig #1

Spud: 2/2/15 Comp: 2/9/15

RTD: 3413' LTD:

Mud Up: +/- 2700' Mud Type: Chemical Displaced

Drilling Time Kept From: 2800' to RTD

Samples Saved From: 2800' to RTD

Samples Examined: 2800' to RTD

Geological Supervision: 3010' to RTD

Geologist on Well: Kurt Talbott

Surface Casing: 8 5/8"@ 410'

Production Casing: None

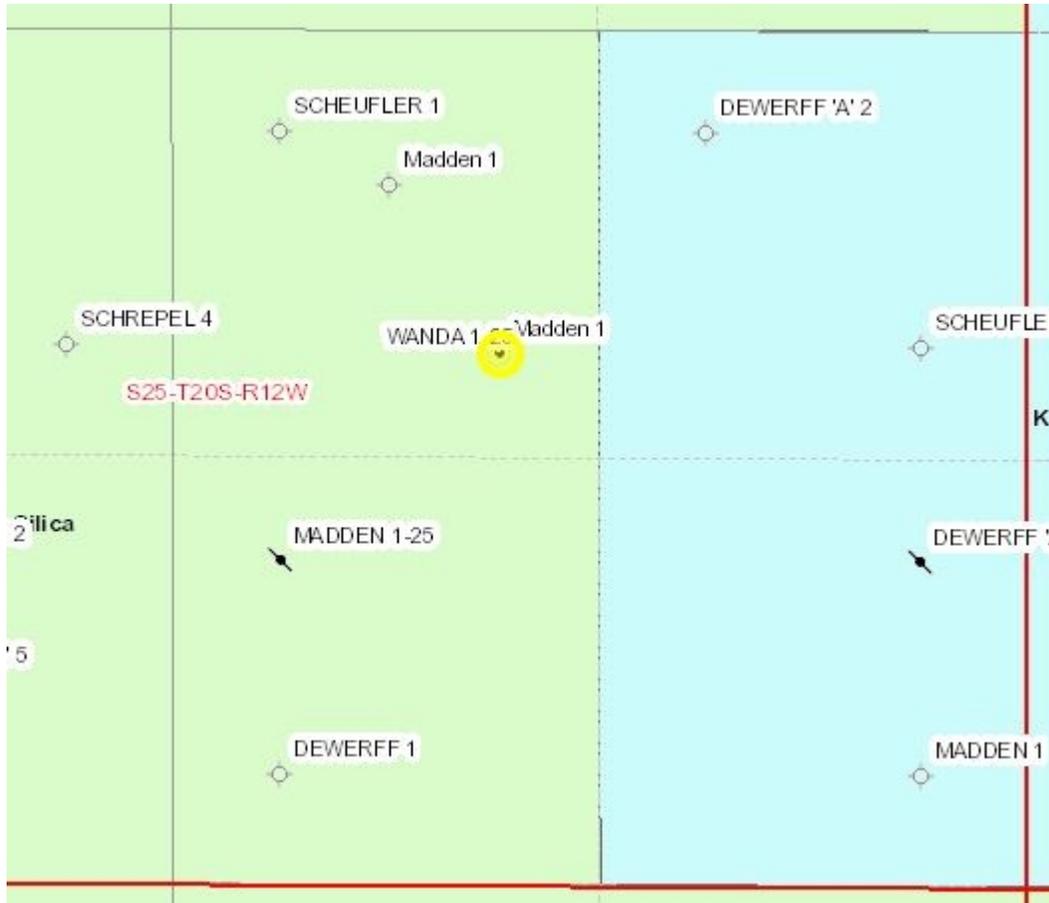
Wireline Logs: None

## Well Comparison

FORMATION	WELL BEING DRILLED LD DRILLING WANDA 1-25 1823 KB		OFFSET MAI MADDEN #1 1825 KB	
	MD	MD SS	LD	SS
ANHYDRITE				
BASE ANHYDRITE				
HEEBNER	3000	-1177	2994	-1167
TORONTO	3014	-1191	3014	-1189
DOUGLAS	3030	-1207	3022	-1197
BROWN LIME	3131	-1309	3122	-1297
LANSING	3145	-1322	3137	-1312

<b>BASE KC</b>			<b>3366</b>	<b>-1541</b>
<b>ARBUCKLE</b>	<b>3399</b>	<b>-1576</b>	<b>3378</b>	<b>-1553</b>
<b>TOTAL DEPTH</b>	<b>3413</b>	<b>-1590</b>	<b>3458</b>	<b>-1633</b>

### Spot Location



### ROCK TYPES

Dolprim	shale, gm	Carbon Sh	Shcol
Lmst fw<7	shale, gry	shale, red	Ss

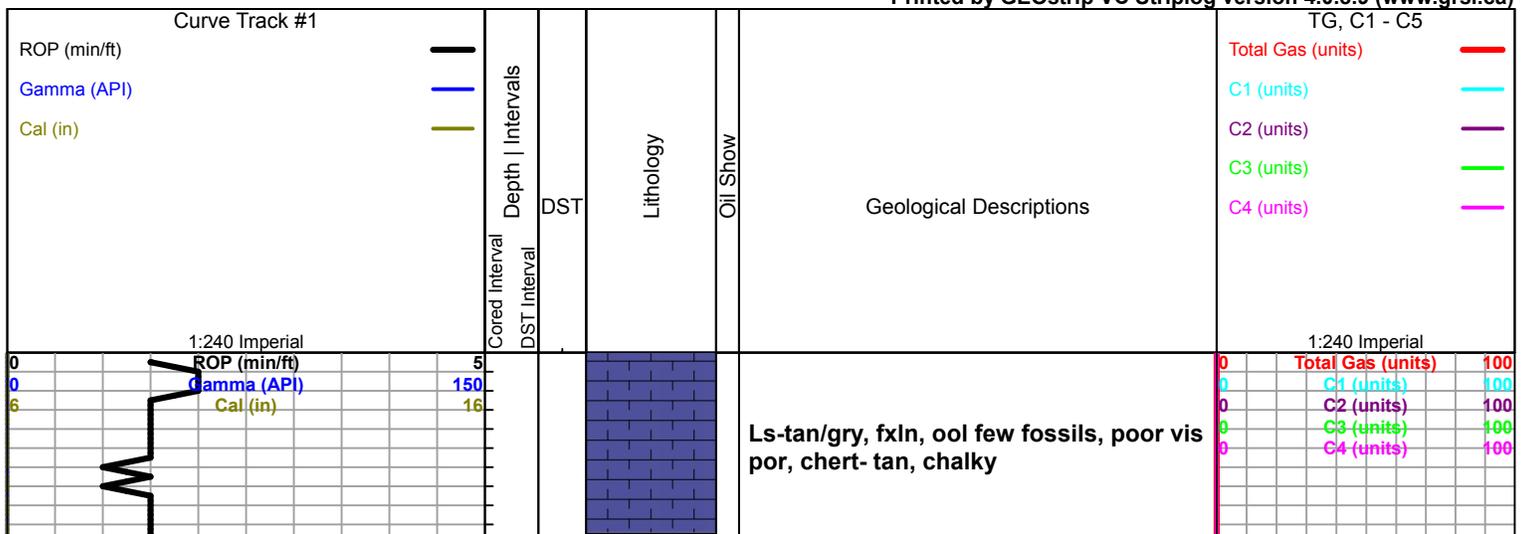
### OTHER SYMBOLS

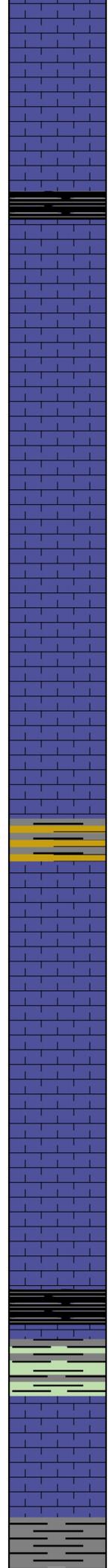
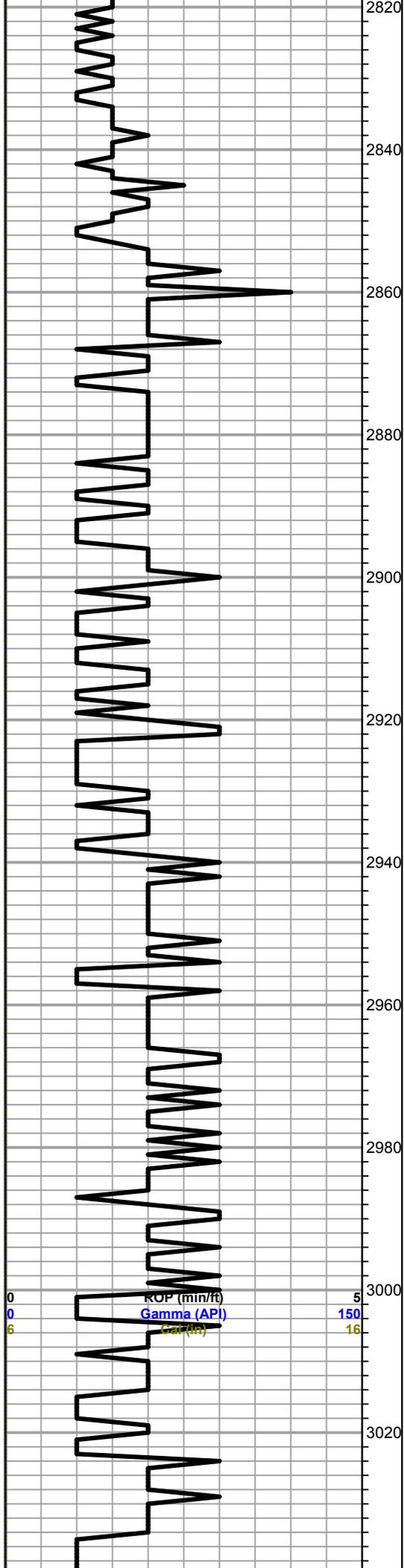
- EVENTS**
- ⌋ Casing Shoe
  - ▽ RTF
  - ▶ Sidewall
  - ▶ Left Casing Shoe
  - ▶ Right Casing Shoe

- INTERVALS**
- Core
  - DST

- DST**
- DST Int
  - DST alt

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A/A

Black carbon shale

Ls-wht/crm, fxln, ool/fossils, chalky, poor scattered iner xln por

A/A

Ls-crm/tan/lt gry, fxln, fossils, poor scattered iner xln por,

Ls- A/A poor ppt to iner xln por

A/A Shale-gry/blk /brwn abunda t

Ls-wht/crm, fxln, fossils, poor ppt to iner xln por, Trace black carbon shale

Ls-crm/tan, fxln, poor vis por, few fossils, cherty in part,

Heebner 3000.0 (-1177.0)

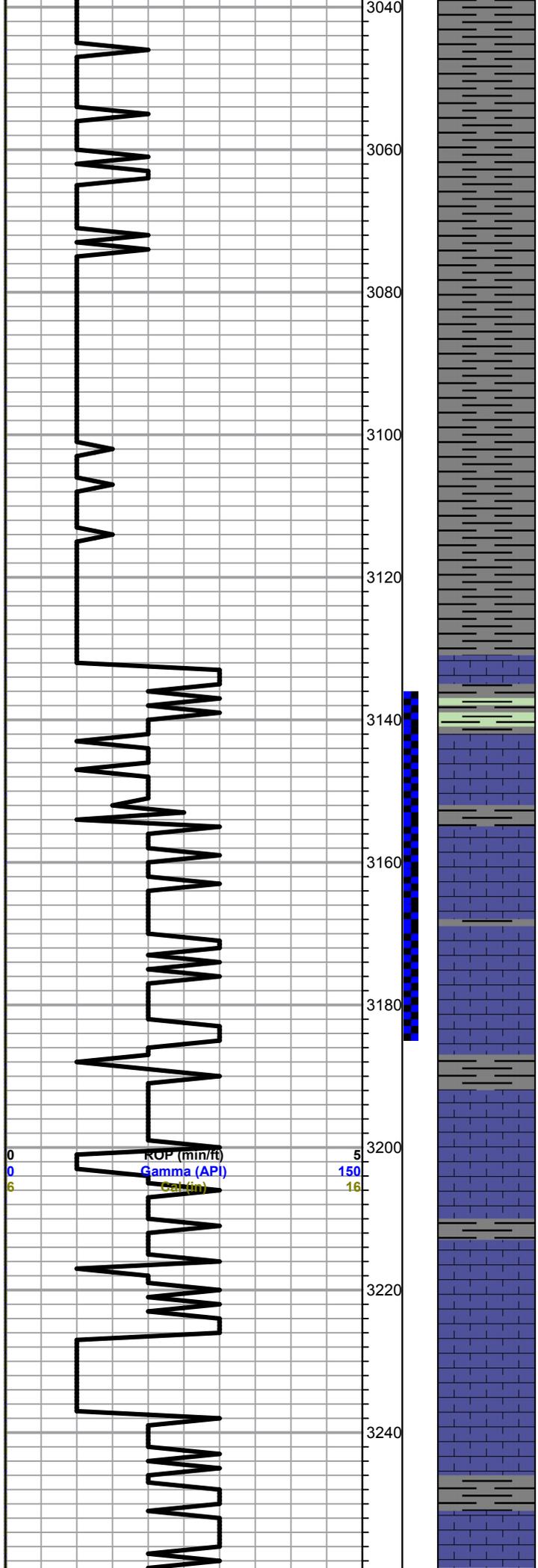
Black cabron shale

Toronto 3014.0 (-1191.0)

Ls-wht/ fxln, poor iner xln por, chalky chert-boney wht

Douglas 3030.0 (-1207.0)

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Shale-soft- gry-silty

Shale- gry-soft, mica, silty

Shale-gry/grn, soft, silty in part, mica

A/A

**Brown Lime 3132.0 (-1309.0)**

Ls-tan/buff, fxln, dense, poor vis por,

**Lansing 3145.0 (-1322.0)**

Ls-wht/crm, fxln, ool/fossils, poor iner xln por, cahky in part,

Ls-crm/tan/lt gry, fxln, ool, few fossils, poor ppt to iner xln por, light brown stains, TrSFO, very faint odor

Ls-crm/wht, fxln, ool few fossils, poor ppt por, Trace stains, NSFO, chalky

Ls-gry/tan/crm, fxln, ool/fossils, poor vis por, Traces spotty stains, NSFO, shale-brwn/gry/gry

Ls-crm/wht, fxln, trace iner xln por, light brown stains, TrSFO, faint odor

Ls-wht/crm, fxln, ool, iner ool to oom por, light brown stains, NSFO, no doodr,

Ls-tan/cr, fxln, ool/fossils, poor iner xln por, Trace stains, NSFO, chalky

A/A

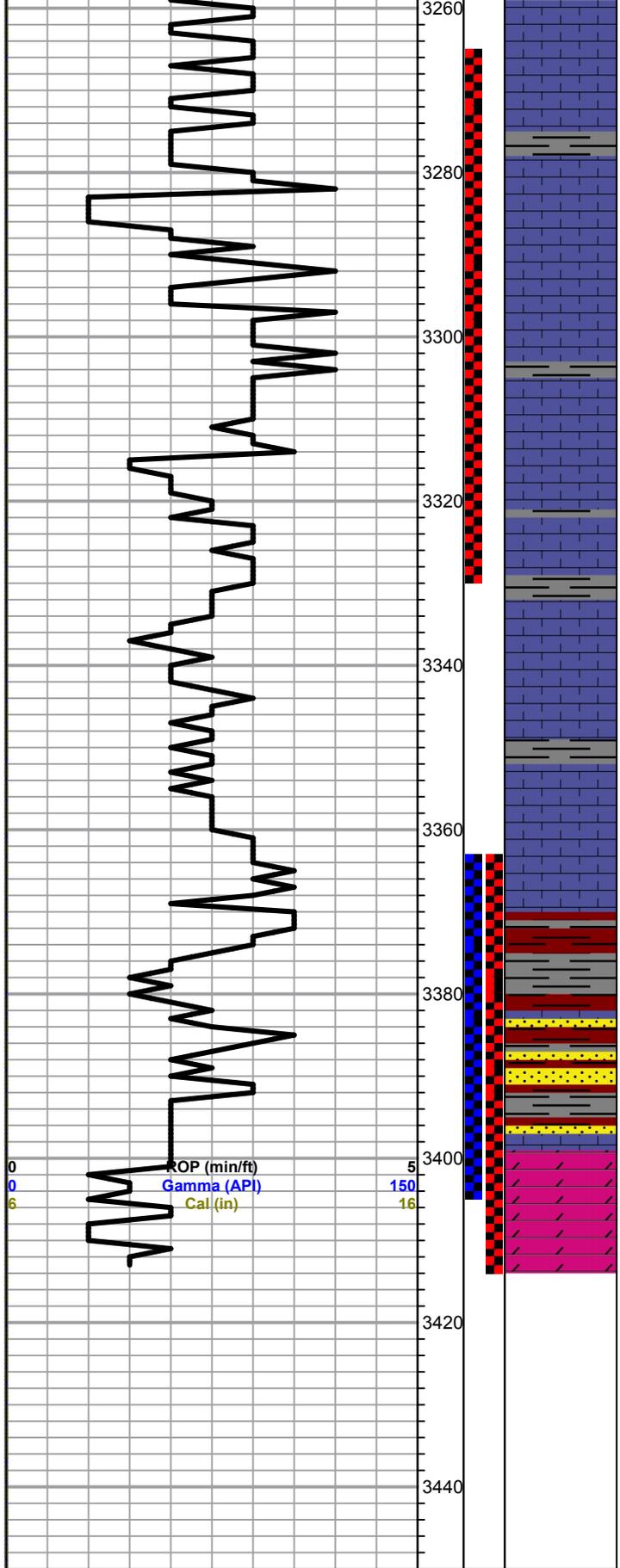
**DST #1 3136-3185**  
 30-30-30-30  
 IF: Weak Surface Blow

Recovery:  
 15' VSOCM  
 (1% oil 99% mud)

Pressures:  
 ISIP 43 psi  
 FSIP 32 psi  
 HFP 18-23 psi  
 FFP 24-24 psi  
 HSH 1529-1526 psi

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

**DST #2 3265-3330**



Ls-wht/crm, fxln, ool, poor inner part por, trace spotty stains, TrSFO, faint odor  
 Ls-wht/crm, ool, oom to scattered finely vug por, brown stains, SFO, faint to fair odor  
 Ls-crm/tan, fxln, fossils, poor inner part to scattered finely vug por, light brown stains, SFO, faint odor,  
 Ls-crm/ tan, fxln, ool, poor vis por, cherty in part, dense,  
 Ls-wht/crm/tan, fxln, ool, few fossils, poor inner xln por, Trace Stains, NSFO, chalky  
 Ls-crm/tan, fxln, ool, scattered inner xln por, chalky, cherty in part,  
 Ls-tan/gry, fxln, ool, dense, cherty, poor vis por,  
 Shale-brwn/gry/gry-soft, Slightly sandy in part,  
 Shale- brown/red, soft, Trace wht sand-fine grained, sub round,  
**Arbuckle 3399.0 (-1576.0)**  
 Dol-crm/tan, f-few med xln, poor to fair inner xln por, dark brown stains, TrSFO, faint odor,  
 Dol-crm/tan, f-med xln, fair oom por, dark brown to black stains, SFO, fair odor  
**Total Depth 3413.0 (-1590.0)**

30-30-30-30  
 IF: Weak 1/4" blow  
 Recovery:  
 5' Mud  
 Pressures:  
 ISIP 275 psi  
 FSIP 159 psi  
 IFP 8-14 psi  
 FFP 14-16 psi  
 HSH 1643-1636 psi  
 DST #3 3363-3405  
 30-30-30-30  
 IF: Weak Surface Blow  
 Recovery:  
 5' Mud  
 Pressures:  
 ISIP 325 psi  
 FSIP 327 psi  
 IFP 15-18 psi  
 FFP 18-20 psi  
 HSH 1660-1659 psi  
 DST #4 3363-3413  
 30-30-45-45  
 IF: Built to 1 3/4"  
 Recovery:  
 15' Mud  
 Pressures:  
 ISIP 148 psi  
 FSIP 392 psi  
 IFP 19-27 psi  
 FFP 28-70 psi  
 HSH 1651-1643 psi  
 0 Total Gas (units) 100  
 0 C1 (units) 100  
 0 C2 (units) 100  
 0 C3 (units) 100  
 0 C4 (units) 100

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

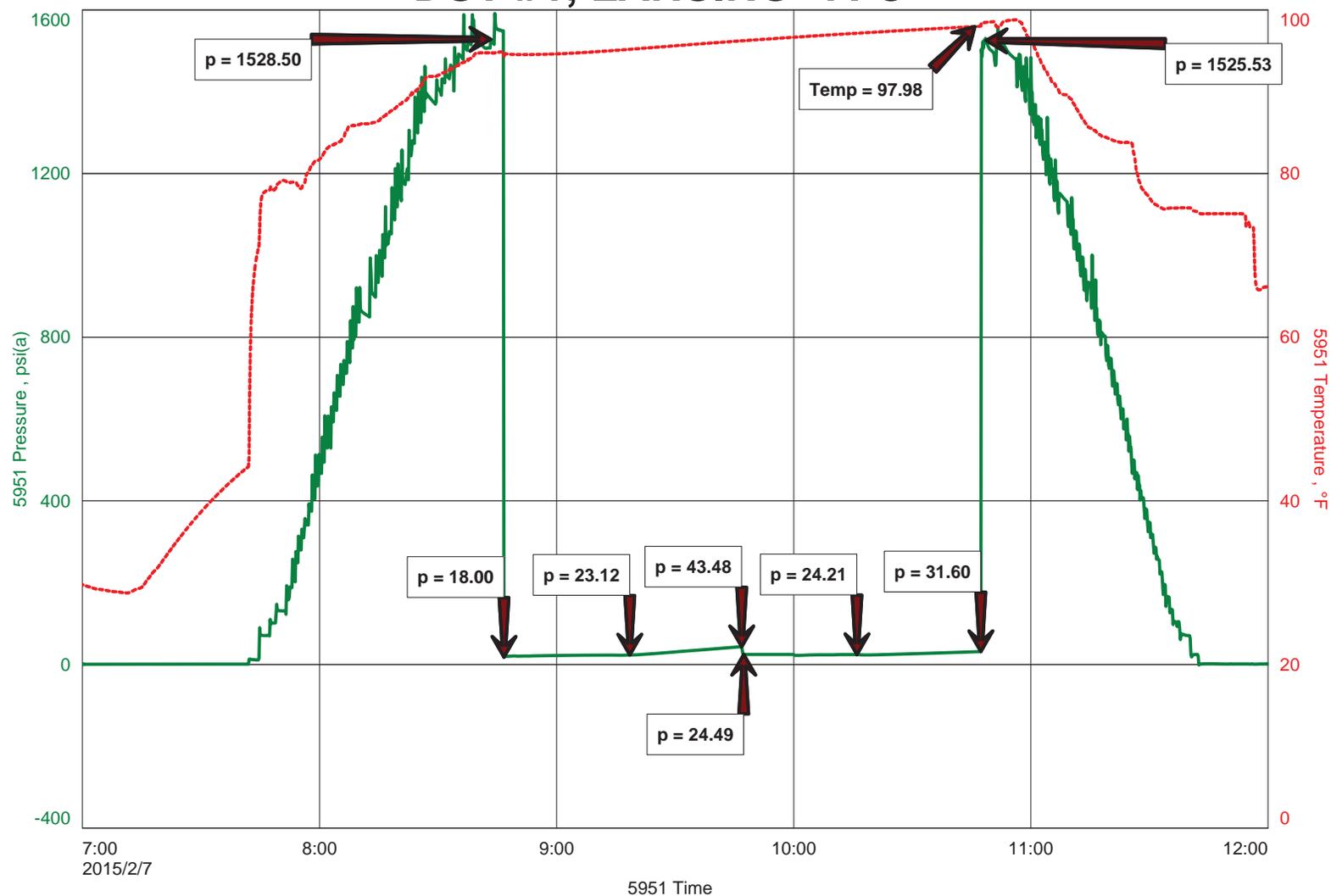
<b>Well Name</b>	Wanda #1-25
<b>Company Name</b>	LD Drilling Inc.
<b>Formation</b>	Lansing "A-C" 3136'-3185'
<b>Test Type</b>	Bottom-Hole DST
<b>Surface Location</b>	Sec 25-20s-12w-Barton Co.-KS
<b>KB Elevation (SL)</b>	1823.000
<b>Gauge Name</b>	5951
<b>Start Test Date</b>	2015/02/07
<b>Start Test Time</b>	06:24:00
<b>Final Test Date</b>	2015/02/07
<b>Final Test Time</b>	12:08:00
<b>Job Number</b>	F372
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott

## TEST RESULTS

Initial flow, weak blow, increased to 1.25".  
Final flow, no blow.

Recovered 15' of SOSM, <1% oil, >99% mud

## DST #1, LANSING "A-C"





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: WANDA1DST1

ON LOCATION: 05:30  
 START RECORDERS: 06:24  
 STOP RECORDERS: \_\_\_\_\_

Company LD DRLLG INC Lease & Well No. WANDA #1-25  
 Contractor PETROMARK DRLLG REG #2 Charge to LD DRLLG INC  
 Elevation 1823' KB Formation LANSENG "A-C" Effective Pay \_\_\_\_\_ Ft. Ticket No. F372  
 Date 2-7-15 Sec. 25 Twp. 20S Range 12 W County BARTON State KANSAS  
 Test Approved By KURT TALBOTT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 3136 ft. to 3185 ft. Total Depth 3185 ft.  
 Packer Depth 3131 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3136 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3122 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3137 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 65 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
 Weight 8.4 Water Loss 8.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 2500 P.P.M. Drill Pipe Length 3011 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 49 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" X H in. Surface Choke Size 15' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 1 1/4"  
 2nd Open: NO BLOW

Recovered 15 ft. of SOSM < 1" OIL, > 99" MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

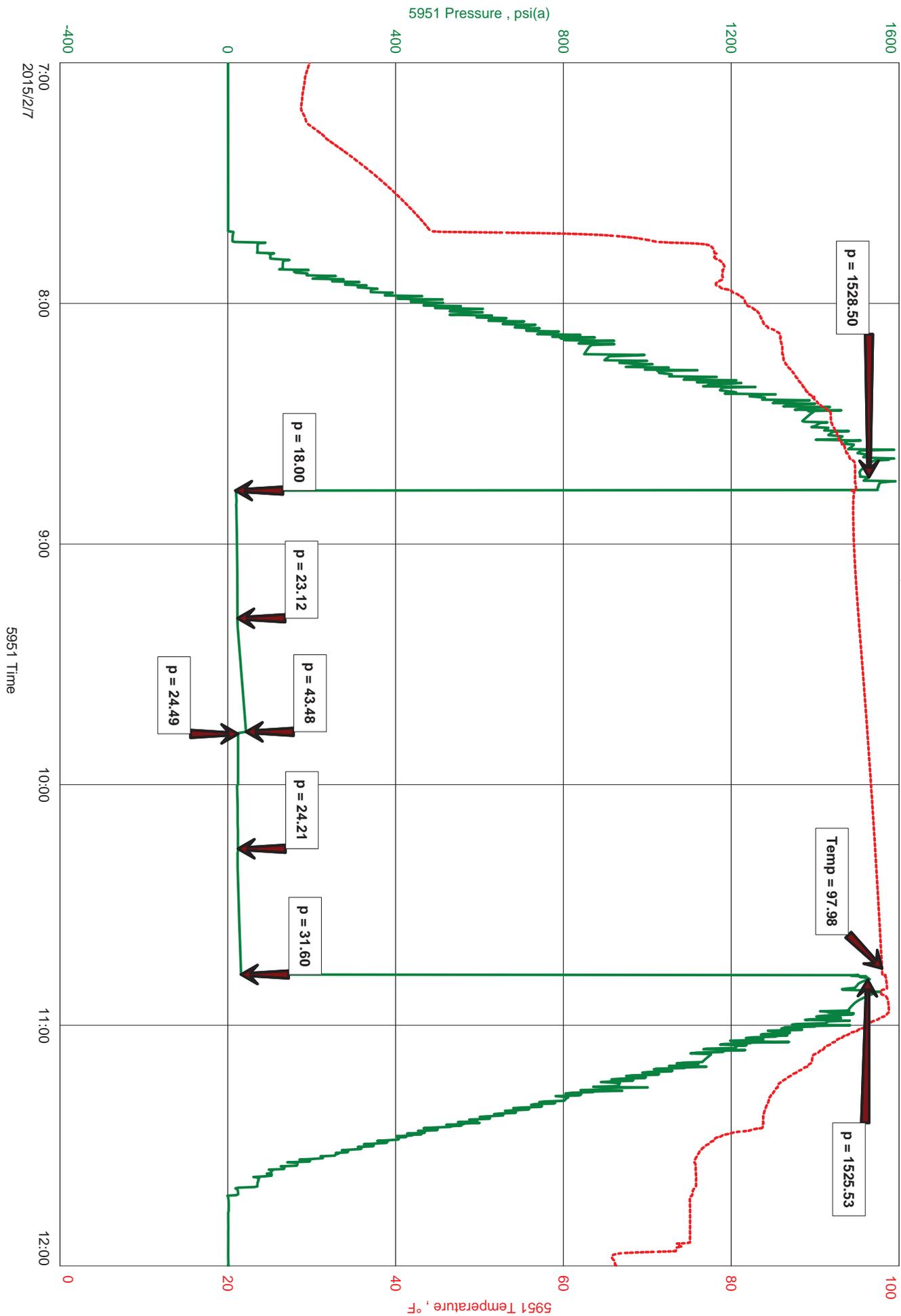
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	<u>104 WRT (PRAT)</u>
	Total

Time Set Packer(s) 8:50 <sup>A.M.</sup> P.M. Time Started Off Bottom 10:50 <sup>A.M.</sup> P.M. Maximum Temperature 98°F

Initial Hydrostatic Pressure..... (A) 1529 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 23 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 43 P.S.I.  
 Final Flow Period..... Minutes (E) 24 P.S.I. to (F) 24 P.S.I.  
 Final Closed In Period..... Minutes (G) 32 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1526 P.S.I. [Signature]

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.

# DST #1, LANSING "A-C"





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: WANDA1DST1

TIME ON: 06:24  
TIME OFF: 12:08

Company LD Drilling Inc Lease & Well No. Wanda #1-25  
Contractor Petromark Drilling LLC Rig # 2 Charge to LD Drilling Inc  
Elevation 1823'KB Formation Lansing "A-C" Effective Pay \_\_\_\_\_ Ft. Ticket No. F372  
Date 2-7-15 Sec. 25 Twp. \_\_\_\_\_ 20s S Range \_\_\_\_\_ 12w W County Barton State KANSAS  
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 3136 ft. to 3185 ft. Total Depth 3185 ft.  
Packer Depth 3131 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3136 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3122 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3137 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 65 Drill Collar Length 125 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 2,500 P.P.M. Drill Pipe Length 3,011 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 49 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>15' PERF IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 1.25"  
2nd Open: No blow

Recovered 15 ft. of SOSM <1% oil, >99% mud

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Price Job \_\_\_\_\_

Other Charges \_\_\_\_\_

Insurance \_\_\_\_\_

Total \_\_\_\_\_

Time Set Packer(s) 8:50 AM A.M. P.M. Time Started Off Bottom 10:50 AM A.M. P.M. Maximum Temperature 98 F

Initial Hydrostatic Pressure..... (A) 1529 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 23 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 43 P.S.I.  
Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 24 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 32 P.S.I.  
Final Hydrostatic Pressure..... (H) 1526 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 REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

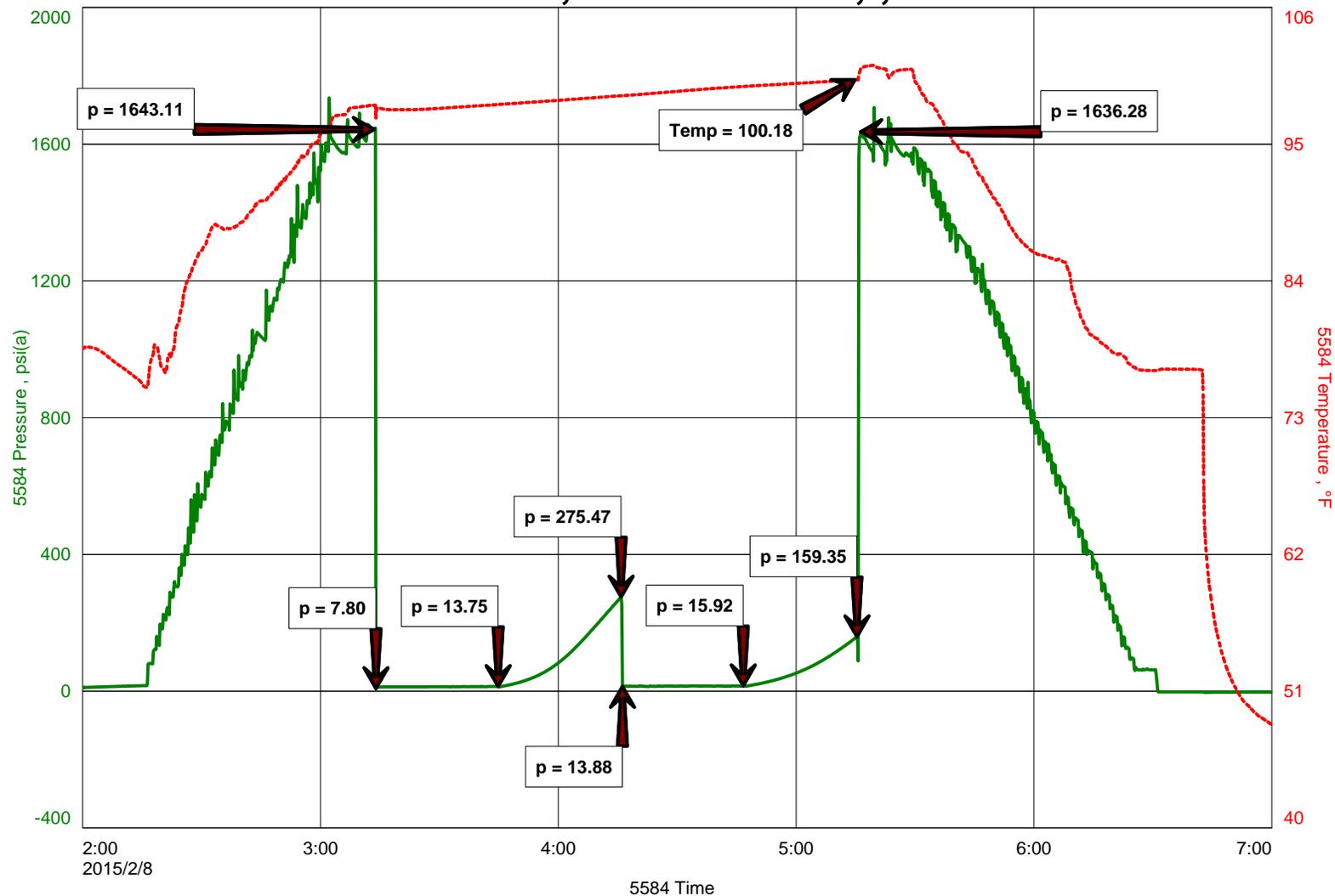
<b>Well Name</b>	Wanda #1-25
<b>Company Name</b>	LD Drilling Inc
<b>Formation</b>	Lansing "H,I,J" 3265'-3330'
<b>Test Type</b>	Bottom-Hole DST
<b>Surface Location</b>	Sec 25-20s-12w-Barton Co.-KS
<b>KB Elevation (SL)</b>	1823.000
<b>Gauge Name</b>	5584
<b>Start Test Date</b>	2012/02/08
<b>Start Test Time</b>	01:18:00
<b>Final Test Date</b>	2012/02/08
<b>Final Test Time</b>	07:21:00
<b>Job Number</b>	F373
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott

## TEST RESULTS

Initial flow, weak .25" blow, blow died  
Final flow, no blow

Recovered 5' of drilling mud, 100% mud

## DST #2, LANSING "H,I,J"





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

ON LOCATION:	<u>00:55</u>
START RECORDERS:	<u>01:18</u>
STOP RECORDERS:	<u>07:21</u>

Company LD DRUG INC. Lease & Well No. WANDA #1-25  
 Contractor PETROMARK DRUG Well #2 Charge to LD DRUG INC.  
 Elevation 1823' HB Formation LANSING "H-J" Effective Pay \_\_\_\_\_ Ft. Ticket No. F373  
 Date 2-8-15 Sec. 25 Twp. 20S Range 12W County BARTON State KANSAS  
 Test Approved By KURT TALBOT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3265 ft. to 3330 ft. Total Depth 3330 ft.  
 Packer Depth 3260 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3265 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3251 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3266 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 47 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
 Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 7400 P.P.M. Drill Pipe Length 3115 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 65 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 X 1 1/2 in. Surface Choke Size 31 PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAR 1/4" BLOW, BLOW DIED.  
 2nd Open: NO BLOW

Recovered 5 ft. of DRLG MUD 100% MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

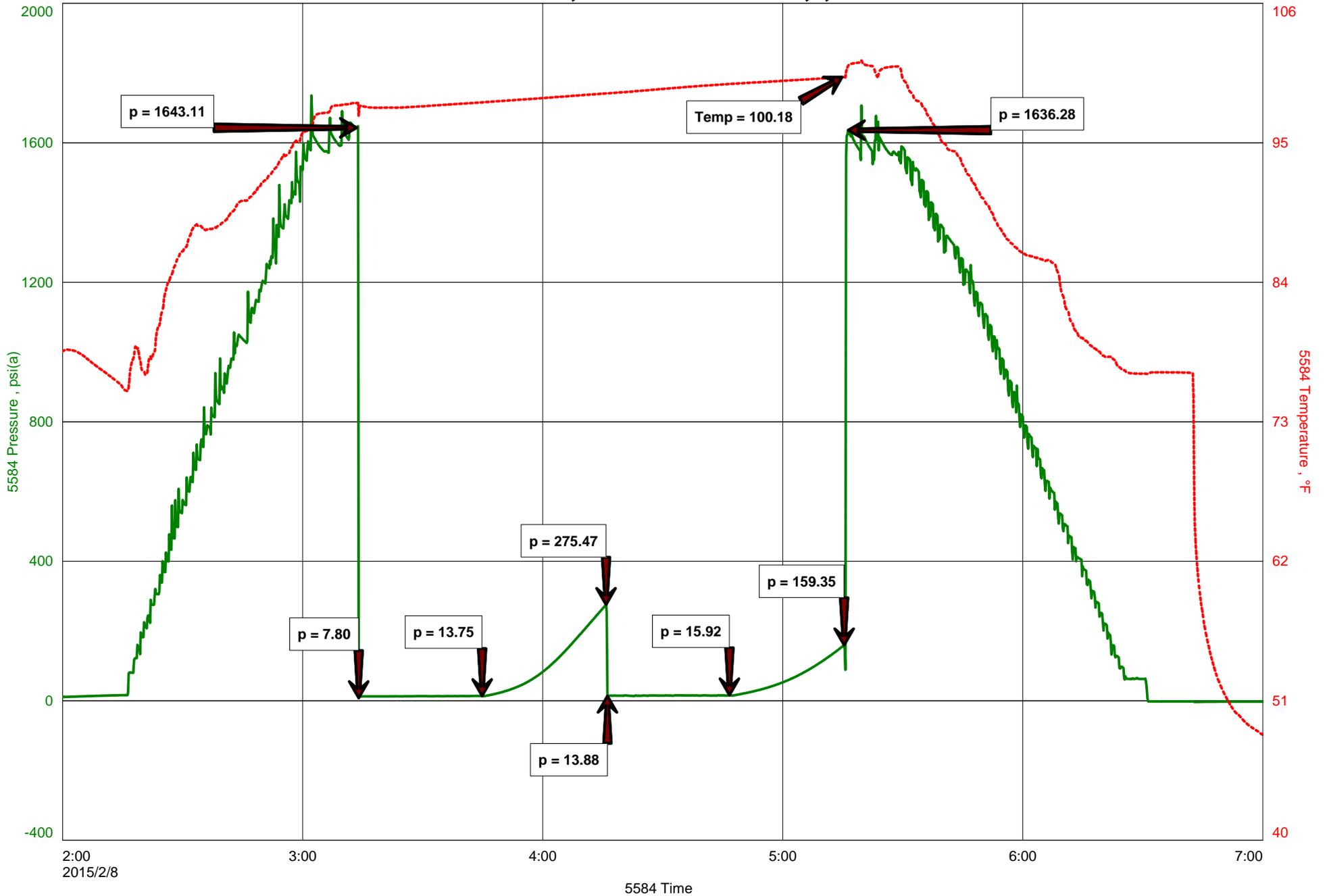
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	
	<u>104 MRT (PRATT)</u>
	Total

Time Set Packer(s) 3:15 A.M. P.M. Time Started Off Bottom 5:15 A.M. P.M. Maximum Temperature 100 F

Initial Hydrostatic Pressure..... (A) 1643 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 14 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 275 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 16 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 159 P.S.I. THANKS!  
 Final Hydrostatic Pressure..... (H) 1636 P.S.I. Jake Fahrenbruch

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.

# DST #2, LANSING "H,I,J"





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: WANDA1DST2

TIME ON: 01:18  
TIME OFF: 07:21

Company LD Drilling Inc Lease & Well No. Wanda #1-25  
Contractor Petromark Drilling LLC Rig # 2 Charge to LD Drilling Inc  
Elevation 1823'KB Formation Lansing "H,I,J" Effective Pay \_\_\_\_\_ Ft. Ticket No. F373  
Date 2-8-15 Sec. 25 Twp. \_\_\_\_\_ 20s S Range 12w W County Barton State KANSAS  
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3265 ft. to 3330 ft. Total Depth 3330 ft.  
Packer Depth 3260 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3265 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3251 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3266 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 47 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7,400 P.P.M. Drill Pipe Length 3,115 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak .25" blow, blow died  
2nd Open: No blow

Recovered <u>5</u> ft. of <u>Drlg Mud</u>	<u>100% mud</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 3:15 AM A.M. P.M. Time Started Off Bottom 5:15 AM A.M. P.M. Maximum Temperature 100 F  
Initial Hydrostatic Pressure..... (A) 1643 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 14 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 275 P.S.I.  
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 16 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 159 P.S.I.  
Final Hydrostatic Pressure..... (H) 1636 P.S.I.

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# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

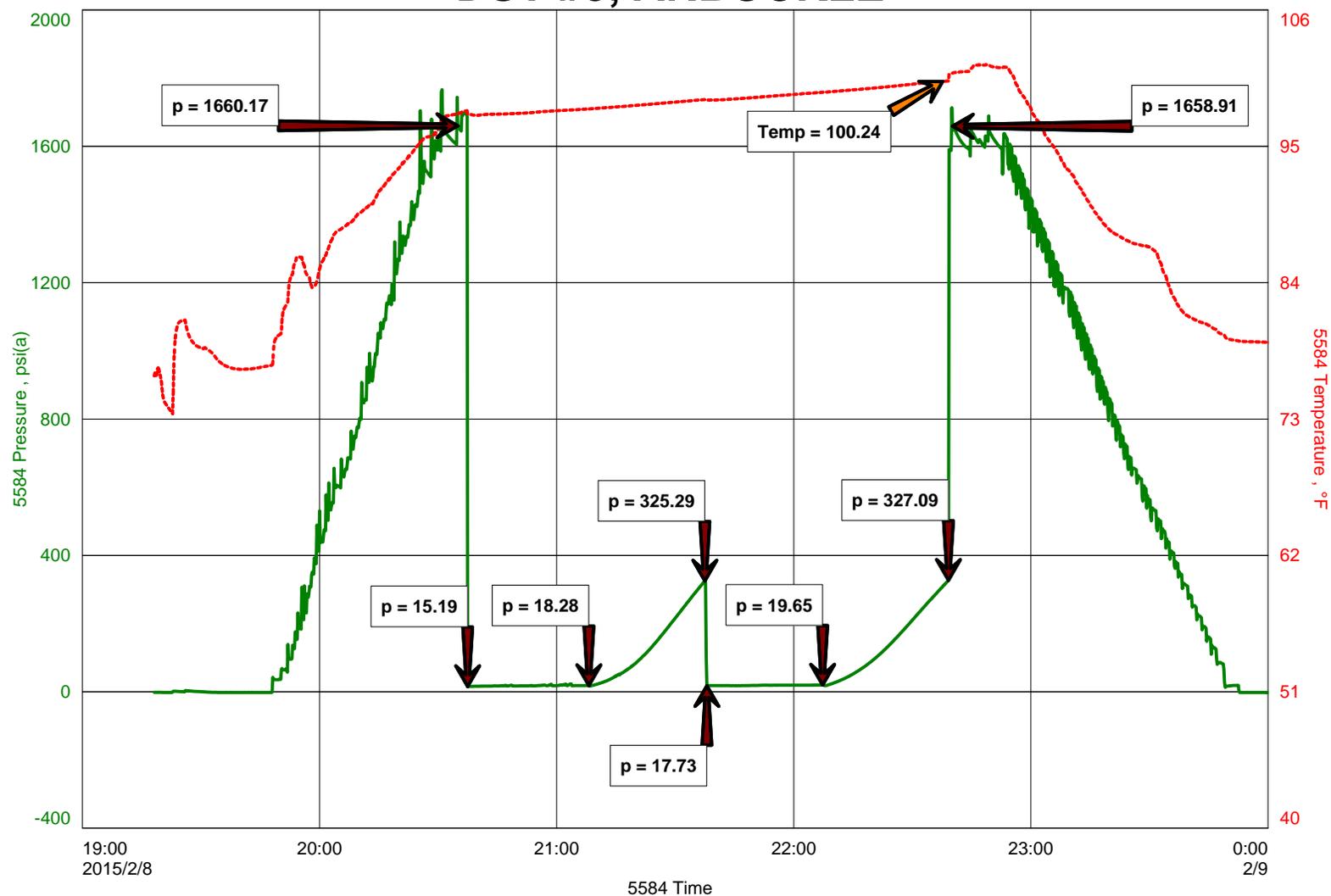
<b>Well Name</b>	Wanda #1-25
<b>Company Name</b>	LD Drilling Inc
<b>Formation</b>	Arbuckle 3365'-3405'
<b>Test Type</b>	Bottom-Hole DST
<b>Surface Location</b>	Sec 25-20s-12w-Barton Co.-KS
<b>KB Elevation (SL)</b>	1823.000
<b>Gauge Name</b>	5584
<b>Start Test Date</b>	2012/02/08
<b>Start Test Time</b>	19:18:00
<b>Final Test Date</b>	2012/02/09
<b>Final Test Time</b>	00:25:00
<b>Job Number</b>	F374
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott

## TEST RESULTS

Initial flow, weak blow, increased to .75"  
Final flow, no blow

Recovered 5' of mud.

## DST #3, ARBUCKLE





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: WANDA 1PST.3

ON LOCATION: 19:05 2-8  
 START RECORDERS: 19:18  
 STOP RECORDERS: 00:25

Company LD DRILLING INC Lease & Well No. WANDA #1-25  
 Contractor PETROMARK DRILLING RIG #2 Charge to LD DRILLING INC  
 Elevation 1823' KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. F374  
 Date 2-8-15 Sec. 25 Twp. 20s Range 12W County BARTON State KANSAS  
 Test Approved By KURT TALBOT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 3363 ft. to 3405 ft. Total Depth 3405 ft.  
 Packer Depth 3358 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3363 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3344 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3368 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 7400 P.P.M. Drill Pipe Length 3213 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? ✓ Reversed Out \_\_\_\_\_ Anchor Length 42 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" x 4 in. Surface Choke Size 8" PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INC TO 3/4"  
 2nd Open: NO BLOW

Recovered 5 ft. of MUD 100° MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

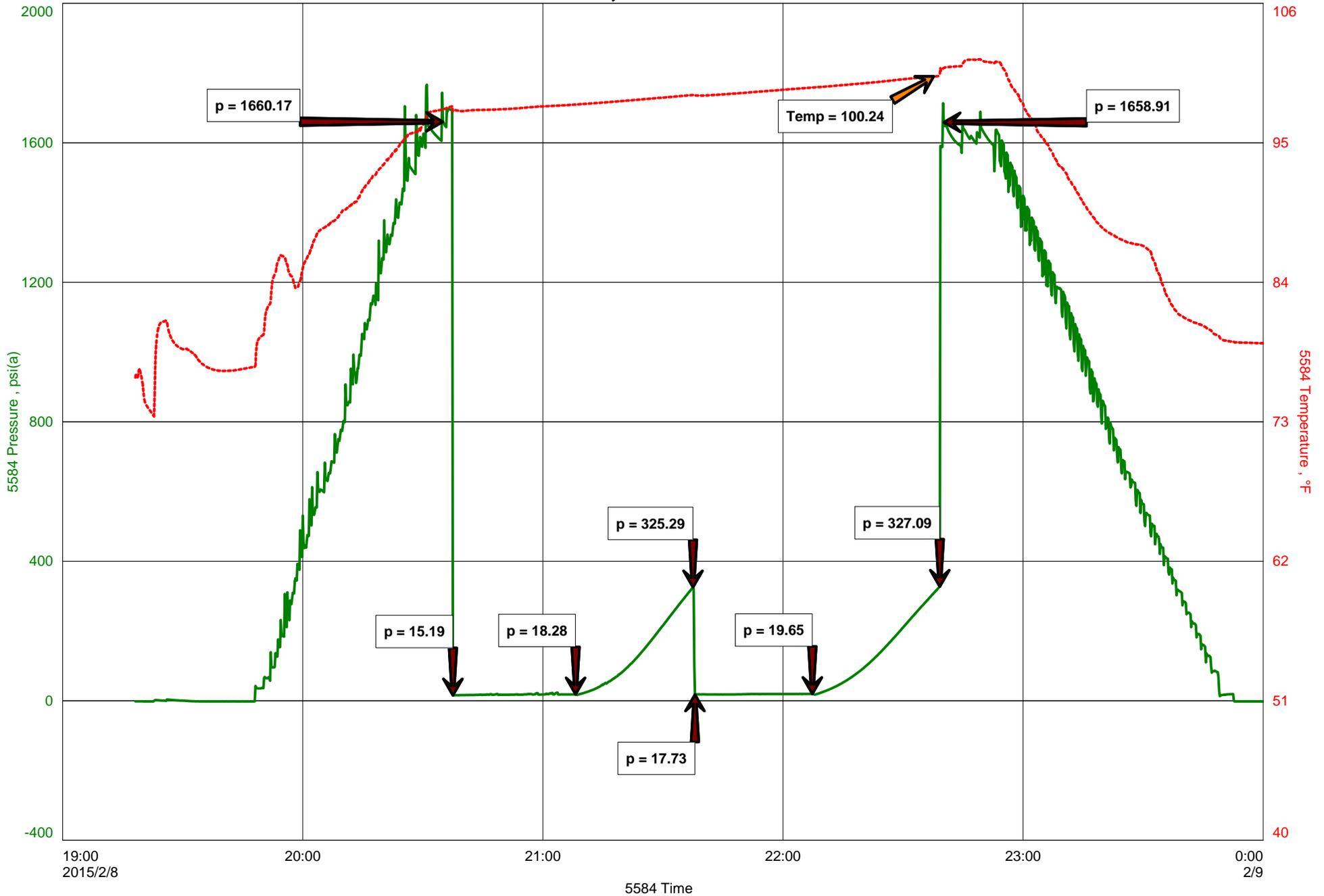
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	
	<u>104 MUD (PRAT)</u>
	Total

Time Set Packer(s) 8:45 AM P.M. Time Started Off Bottom 10:45 AM P.M. Maximum Temperature 100°F

Initial Hydrostatic Pressure..... (A) 1660 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 18 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 325 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 20 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 327 P.S.I. Thank You!  
 Final Hydrostatic Pressure..... (H) 1659 P.S.I. 100°F

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# DST #3, ARBUCKLE





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: WANDA1DST3

TIME ON: 19:05 2/8/15  
TIME OFF: 00:25

Company LD Drilling Inc Lease & Well No. Wanda #1-25  
Contractor Petromark Drilling LLC Rig # 2 Charge to LD Drilling Inc  
Elevation 1823'KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. F374  
Date 2-8-15 Sec. 25 Twp. 20s S Range 12w W County Barton State KANSAS  
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 3363 ft. to 3405 ft. Total Depth 3405 ft.  
Packer Depth 3258 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3263 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3344 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3368 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 54 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7,400 P.P.M. Drill Pipe Length 3,213 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 42 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 8" PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to .75"  
2nd Open: No blow

Recovered <u>5</u> ft. of <u>MUD</u> <u>100%</u> mud	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 8:45 PM A.M. P.M. Time Started Off Bottom 10:45 PM A.M. P.M. Maximum Temperature 100 F

Initial Hydrostatic Pressure..... (A) 1660 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 18 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 325 P.S.I.  
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 20 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 327 P.S.I.  
Final Hydrostatic Pressure..... (H) 1659 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 REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

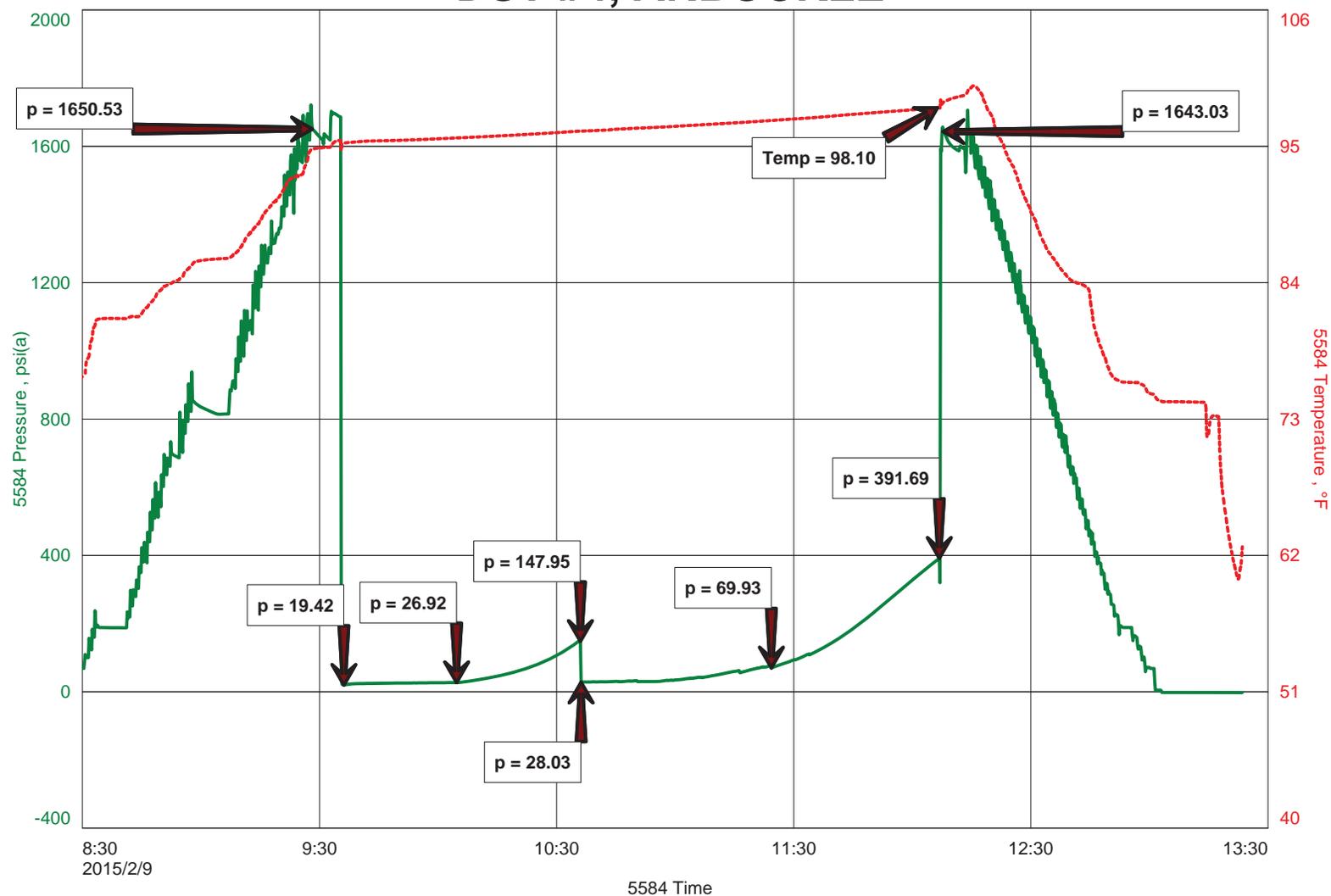
<b>Well Name</b>	Wanda #1-25
<b>Company Name</b>	LD Drilling Inc
<b>Formation</b>	Arbuckle 3363'-3413'
<b>Test Type</b>	Bottom-Hole DST
<b>Surface Location</b>	Sec 25-20s-12w-Barton Co.-KS
<b>KB Elevation (SL)</b>	1823.000
<b>Gauge Name</b>	5584
<b>Start Test Date</b>	2015/02/09
<b>Start Test Time</b>	07:40:00
<b>Final Test Date</b>	2015/02/09
<b>Final Test Time</b>	13:23:00
<b>Job Number</b>	F375
<b>Contact</b>	LD Davis
<b>Site Contact</b>	Kurt Talbott

## TEST RESULTS

Initial flow, weak blow, increased to 1.5".  
Final flow, .25" blow.

Recovered 15' of mud, 100% mud

## DST #4, ARBUCKLE





**DIAMOND TESTING**

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

**DRILL-STEM TEST TICKET**  
FILE: WANDA1 D514

ON LOCATION: 07:20  
START RECORDERS: 07:40  
STOP RECORDERS: 13:23

Company LD DRILLING INC Lease & Well No. WANDA #1-25  
Contractor PETROMARK DRILL RIG #2 Charge to LD DRILLING INC  
Elevation 1823' KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. F375  
Date 2-9-15 Sec. 25 Twp. 20S Range 12W County BARTON State KANSAS  
Test Approved By KURT TABBETT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 4 Interval Tested from 3363 ft. to 3413 ft. Total Depth 3413 ft.  
Packer Depth 3358 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3363 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3349 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3376 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 12.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 12,800 P.P.M. Drill Pipe Length 3213 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ 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: WEAK BLOW, INC TO 1 1/2"  
2nd Open: WEAK BLOW @ 1/4"

Recovered 15 ft. of MUD 100'-1. MUD  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

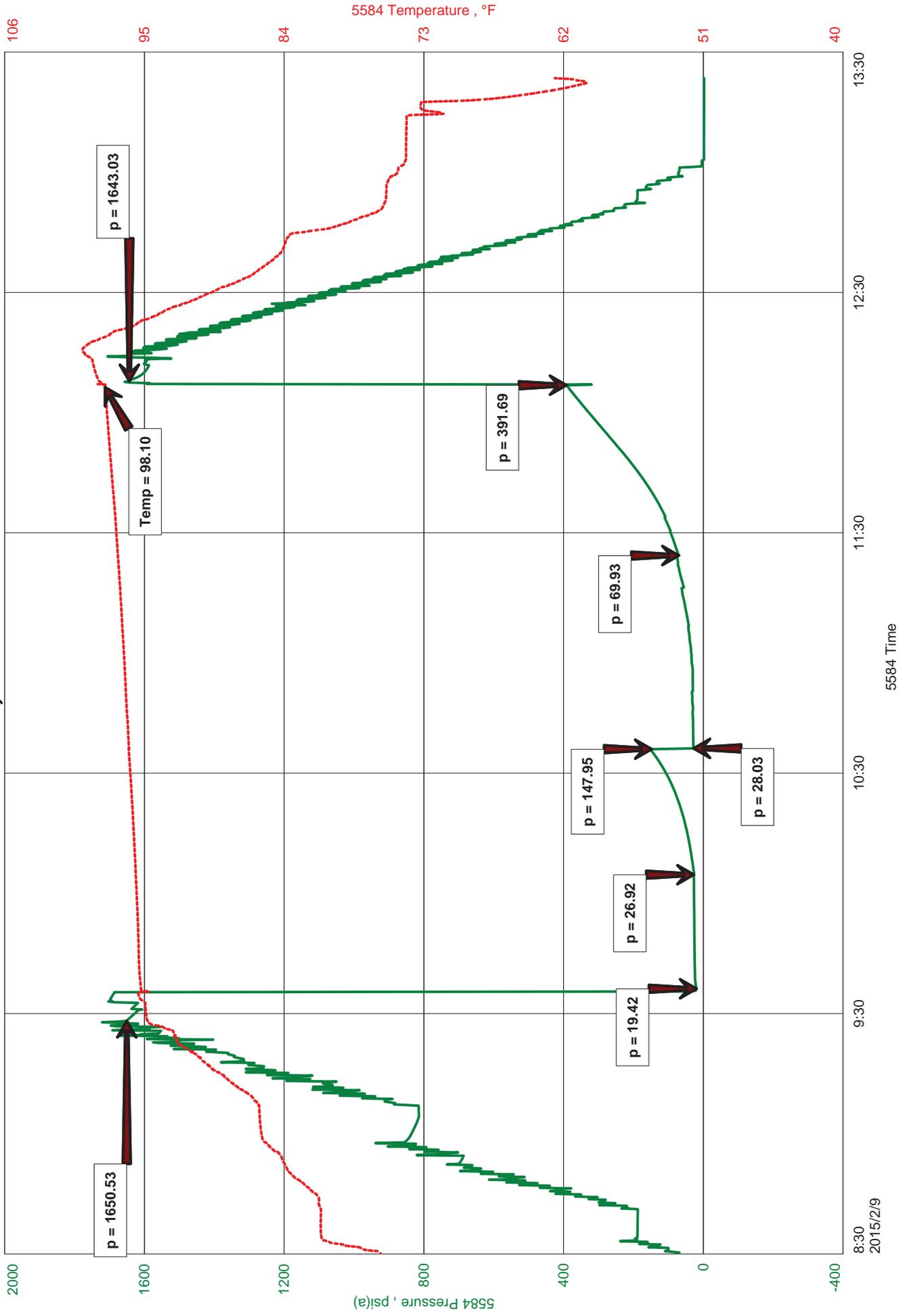
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	
	<u>104 WRT (PRM)</u>
	Total

Time Set Packer(s) 9:35 AM Time Started Off Bottom 12:05 PM Maximum Temperature 98°F

Initial Hydrostatic Pressure..... (A) 1651 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 27 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 148 P.S.I.  
Final Flow Period..... Minutes 45 (E) 28 P.S.I. to (F) 70 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 392 P.S.I. Thanks!  
Final Hydrostatic Pressure..... (H) 1643 P.S.I. [Signature]

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.

# DST #4, ARBUCKLE





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: WANDA1DST4

TIME ON: 07:20  
TIME OFF: 13:23

Company LD Drilling Inc Lease & Well No. Wanda #1-25  
Contractor Petromark Drilling LLC Rig # 2 Charge to LD Drilling Inc  
Elevation 1823'KB Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. F375  
Date 2-9-15 Sec. 25 Twp. 20s S Range 12w W County Barton State KANSAS  
Test Approved By Kurt Talbott Diamond Representative Jake Fahrenbruch

Formation Test No. 4 Interval Tested from 3363 ft. to 3413 ft. Total Depth 3413 ft.  
Packer Depth 3258 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3263 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3344 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3376 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 125 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 12,800 P.P.M. Drill Pipe Length 3,213 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length 25 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. <sup>16' PERF IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, increased to 1.5"  
2nd Open: Weak blow @ .25"

Recovered 15 ft. of 100% mud  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

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

Time Set Packer(s) 9:35 AM A.M. P.M. Time Started Off Bottom 12:05 PM A.M. P.M. Maximum Temperature 98 F

Initial Hydrostatic Pressure..... (A) 1651 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 27 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 148 P.S.I.  
Final Flow Period..... Minutes 45 (E) 28 P.S.I. to (F) 70 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 392 P.S.I.  
Final Hydrostatic Pressure..... (H) 1643 P.S.I.

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