



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1165213

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ 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 <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
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 08176 A

15-205-11W

DATE _____ TICKET NO. _____

DATE OF JOB: 9-8-13		DISTRICT: Pratt, Kansas		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: L.D. Drilling, Incorporated				LEASE: Ringering				WELL NO. 3-15	
ADDRESS:				COUNTY: Barton		STATE: Kansas			
CITY:		STATE:		SERVICE CREW: C. Messick, J. Nelson, D. Phye					
AUTHORIZED BY:				JOB TYPE: C.N.W. - Surface					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28,433	.75						9-7-13	AM	11:00
						ARRIVED AT JOB	9-8-13	PM	1:45
33,708-20920	.75					START OPERATION		AM	5:30
						FINISH OPERATION		AM	6:15
70,959-19,918	.75					RELEASED	9-8-13	AM	6:30
						MILES FROM STATION TO WELL			55

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: *Jim Michelle*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP101	Acad Blend Cement	sh	175	\$	3,150.00
P CP100C	Common Cement	sh	175	\$	2,800.00
P CC102	Cell Plate	Lb	88	\$	325.60
P CC109	Calcium Chloride	Lb	825	\$	866.25
P CF153	Wooden Plug, 8 5/8"	ea	1	\$	160.00
P E100	Pickup Mileage	mi	55	\$	233.75
P E101	Heavy Equipment Mileage	mi	110	\$	770.00
P E113	Bulk Delivery	tm	908	\$	1,452.00
P CE200	Cement Pump: 0 Feet To 500 Feet	hrs	4	\$	1,000.00
P CE240	Blending and Mixing Service	sh	350	\$	490.00
P CE504	Plug Container	Job	1	\$	250.00
P 5003	Service Supervisor	hrs	8	\$	175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		16 \$ 8,754.15
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: *R. Messick*

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

FIELD SERVICE ORDER NO.

Customer P. Drilling, Inc.	Lease No.	Date 9-8-13	
Lease Ringering	Well # 3-15		
Field Order # 8176	Station Pratt, Kansas	Casing 8 5/8" 24 Lb.	Depth 347 Ft.
Type Job C.N.W. - Surface	Formation	County Barton	State Kansas
		Legal Description 15-205-11W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8" 24 Lb./Ft.	Tubing Size 4 1/2" 11.3 Lb./Ft.	Shots/Ft 175 sacks		Add 38 Calsium Chloride	RATE 2.47 CU. FT./St.	PRESS 25 Lb./st. cell	ISIP 5 Min.	Cell Flake
Depth 347 Feet	Depth	From	To	Pre Pad 12 Lb./Gal.	Max			
Volume 2.2 Bbl.	Volume	From	To	Pad Commonment	Min			
Max Press 250 P.S.F.	Max Press	From	To	Pre 15.6 Lb./Gal.	Avg			
Well Connection Plug container	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 232 Ft.	Packer Depth	From	To	Flush 21 Bbl. Fresh Water	Gas Volume			Total Load

Customer Representative Jim Mictels	Station Manager Kevin Gordley	Treater Clarence R. Messick
Service Units 28,443	33,708	70,959
Driver Names Messick	Melson	Phye

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
1:45					Trucks on location and hold safety meeting.
4:05					Petromark Drilling start to run 8 Joints new 24 Lb./Ft 8 5/8" casing
5:20					Casing in well. Circulate for 5 minutes
5:30	200			5	Start Fresh water Pre-Flush.
	225		10	5	Start mixing 175 sacks A Cow Blend cement
	175		87	5	Start mixing 175 sacks commonment.
	-0-		124		Stop pumping. Shut in well Release wooden plug. Open well.
5:50	150			5	Start Fresh water Displacement.
6:00	250		21		Plug down. Shut in well. Circulated 25 Bbl. cement to the pit.
					Wash up pump truck.
6:30					Job complete. Thank You. Clarence, Joe, Dale



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

1718 08181 A

DATE _____ TICKET NO. _____

DATE OF JOB 9-14-13 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 LD Drilling		LEASE Ringer Bing 3-15 WELL NO. _____							
ADDRESS _____		COUNTY Barton STATE 155							
CITY _____ STATE _____		SERVICE CREW Jeff Jesse JOE							
AUTHORIZED BY _____		JOB TYPE: cnw 5/2 LS							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27463	:30 min						9-14-13		12:30
19831-19862	:30 min					ARRIVED AT JOB		AM	5:06
28443						START OPERATION		AM	7:57
						FINISH OPERATION		AM	8:00
						RELEASED	9-14-13	AM	9:00
						MILES FROM STATION TO WELL			60

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 L.D. Davis By DL Scott**
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100C	common cement	sk	150		2,400 00
CP 103	60/40 POZ	sk	30		360 00
CC 105	C-41 P Defoamer	lb	43		172 00
CC 111	SALT	lb	1465		732 50
CC 112	cement Friction Reducer	lb	128		768 00
CC 113	Gypsum	lb	850		637 50
CC 201	Gilsonite	lb	900		603 00
CF 103	TOP Rubber Plug	eq	1		105 00
CF 251	Guide shoe	eq	1		250 00
CF 1451	FLAPPER insert	eq	1		215 00
CF 1601	5/2 Turbolizer	eq	6		750 00
CL 159	Flow seal	gal	330		1,980 00
F 100	Pickup mileage	mi	60		255 00
E 101	Heavy mileage	mi	120		840 00
E 113	Bulk Delivery	tm	510		816 00
CE 204	DEPTH charge	4hrs	1		2,160 00
CE 240	Mixing charge	sk	180		252 00
CE 504	Plug container	JOB	1		250 00
S 003	supervisor	eq	1		175 00

SUB TOTAL **10,290 75**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE **John Nelson** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **L.D. Davis By DL Scott**
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer LD Drilling	Lease No.	Date 9-14-13
Lease Ringer Ring	Well # 3-15	
Field Order # 8181	Station Pratt	Casing 5 1/2 Depth 3415 County Barton State Ks
Type Job cnw 5 1/2 LS	Formation	Legal Description 15-20-11

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 3415	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 3403	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Jim	Station Manager Kevin	Treater JOE
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Service Units 27463	19831	9862	28443
Driver Names JOE	Jesse	Jeff	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1700					ON LOC / safety meeting
					Run JTS of csg. 14 # csg
					cen. 1-3-5-7-9-11
1820					1 csg. on Bottom / circ. with Rig
					Hook up to Pump to start JOB
1930	100		5	6	H2O spacer
			7	6	Low seal
	200		5	6	H2O spacer
	200		36	6	mix 150 SK of common cement at 15.5 #
	0		0	0	Shut Down / Clear Pump and Lines
1945	2000		0	0	Release Plug
	200		0	6	Start DISD
	300		55	6	LIFT PSI
	500		70	3.5	Slow Rate
2000	1000		83	0	Plug Down
	0		6	4	mix 30 SK 60/40 POZ at 15.5 # for BH
					JOB COMPLETE
					Thank you
					JOE



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling, Inc.	Well Name	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #1 Lansing "B-G" 3047'-3127'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Barton Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase-Silica	Pool	NA
Well Type	Vertical	Job Number	F169
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Lansing "B-G" 3047'-3127'	Gauge Name	0062
Start Test Date	2013/09/11	Start Test Time	05:25:00
Final Test Date	2013/09/11	Final Test Time	12:20:00

Test Results

30 minute initial flow period: .25" blow, increased to B.O.B. in 18 minutes.
 45 minute initial shut-in period: No blowback.
 45 minute final flow period: Surface blow, increased to B.O.B. in 32 minutes.
 60 minute final shut-in period: No blowback.

Recovered: 145' SOSMW <1% oil, 56% wtr, 44% mud
 180' SOSMCW <1% oil, 82% wtr, 18% mud
 ----- Total Recovered Fluid: 325'
 ----- Tool Sample: SOSMCW <1% oil, 73% wtr, 27% mud
 ----- Bottom-Hole Temp: 99 Deg F
 ----- Chlorides: 31,500 PPM
 ----- RW: .31 ohm @ 72 Deg F
 ----- PH: 7.5

Pressures: IHP: 1451
 IFP: 16-106
 ISIP: 654
 FFP: 113-161
 FSIP: 606
 FHP: 1448

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST1

TIME ON: on loc 3:22AM/batt on 5:25AM
TIME OFF: 12:20PM

Company LD Drilling, Inc. Lease & Well No. Ringing #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation _____ Lansing "B-G" Effective Pay _____ Ft. Ticket No. F169
Date 9-11-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. ONE Interval Tested from 3047 ft. to 3127 ft. Total Depth 3127 ft.
Packer Depth 3042 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3047 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3030 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3124 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 55 Drill Collar Length 150 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 2869 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 80 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{15' PERF (3' TOP, 12' BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: .25" blow, increased to B.O.B. in 18 minutes. No blowback.
2nd Open: Surface blow, increased to B.O.B. in 32 minutes. No blowback.

Recovered <u>145</u> ft. of <u>SOSMW</u> <1% oil, 56% wtr, 44% mud	Price Job Other Charges Insurance Total
Recovered <u>180</u> ft. of <u>SOSMCW</u> <1% oil, 82% wtr, 18% mud	
Recovered _____ ft. of <u>Total Recovered Fluid: 325'</u>	
Recovered _____ ft. of <u>Tool Sample: SOSMCW <1% oil, 73% wtr, 27% mud</u>	
Recovered _____ ft. of <u>Chlorides: 31,500 PPM</u>	
Recovered _____ ft. of <u>RW: .31 ohm @ 72 Deg F</u>	
Remarks: _____ <u>PH: 7.5</u>	

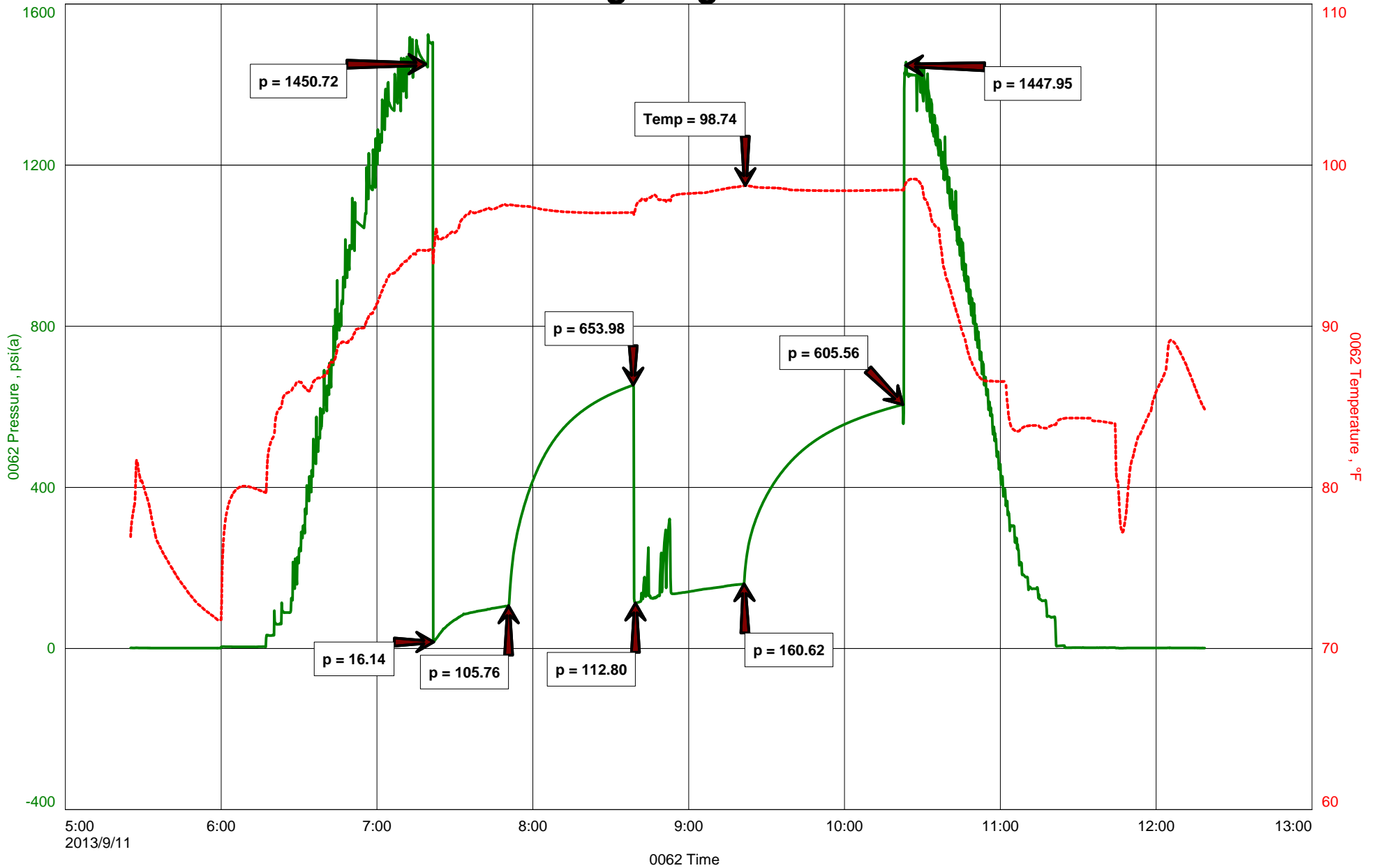
Time Set Packer(s) 7:22 AM A.M. P.M. Time Started Off Bottom 10:22 AM A.M. P.M. Maximum Temperature 99 Deg F
Initial Hydrostatic Pressure..... (A) 1450 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 106 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 654 P.S.I.
Final Flow Period..... Minutes 45 (E) 113 P.S.I. to (F) 161 P.S.I.
Final Closed In Period..... Minutes 60 (G) 606 P.S.I.
Final Hydrostatic Pressure..... (H) 1448 P.S.I.

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

LD Drilling, Inc.
DST #1 Lansing "B-G" 3047'-3127'
Start Test Date: 2013/09/11
Final Test Date: 2013/09/11

Ringing #3-15
Formation: Lansing "B-G" 3047'-3127'
Pool: NA
Job Number: F169

Ringing #3-15





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling, Inc.	Well Name	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #2 L/KC 'H-K' 3160'-3250'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Barton Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase-Silica	Pool	NA
Well Type	Vertical	Job Number	F170
Prepared By	Jake Fahrenbruchj	Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	L/KC 'H-K' 3160'-3250'	Gauge Name	0062
Start Test Date	2013/09/11	Start Test Time	23:53:00
Final Test Date	2013/09/12	Final Test Time	05:44:00

Test Results

30 minute initial flow period:	Surface blow, increased to 1".
30 minute initial shut-in period:	No blow.
30 minute final flow period:	Surface blow, increased to 1".
30 minute final shut-in period:	No blow.

Recovered: 15' Drilling Mud
----- Tool Sample: Drilling Mud
----- Bottom-Hole Temperature: 99 Deg F

Pressures: IHP: 1549
IFP: 11-18
ISIP: 66
FFP: 19-25
FSIP: 57
FHP: 1546

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST2

TIME ON: on loc 11:35PM/ batt on 11:53PM
TIME OFF: 5:44 AM

Company LD Drilling, Inc. Lease & Well No. Ringering #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation L/KC 'H-K' Effective Pay _____ Ft. Ticket No. F170
Date 9-12-2013 Sec. 15 Twp. 20 S Range 11 W County Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. TWO Interval Tested from 3160 ft. to 3250 ft. Total Depth 3250 ft.
Packer Depth 3155 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3160 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3143 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3247 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 55 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 8.0 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 3012 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 90 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{25' PERF (3' top, 22' btm)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to 1".

2nd Open: Surface blow, increased to 1".

Recovered 15 ft. of Drilling Mud
Recovered _____ ft. of Tool Sample: Drilling Mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____

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

Time Set Packer(s) 2:01AM ^{A.M.} P.M. Time Started Off Bottom 4:01AM ^{A.M.} P.M. Maximum Temperature 99 Deg F

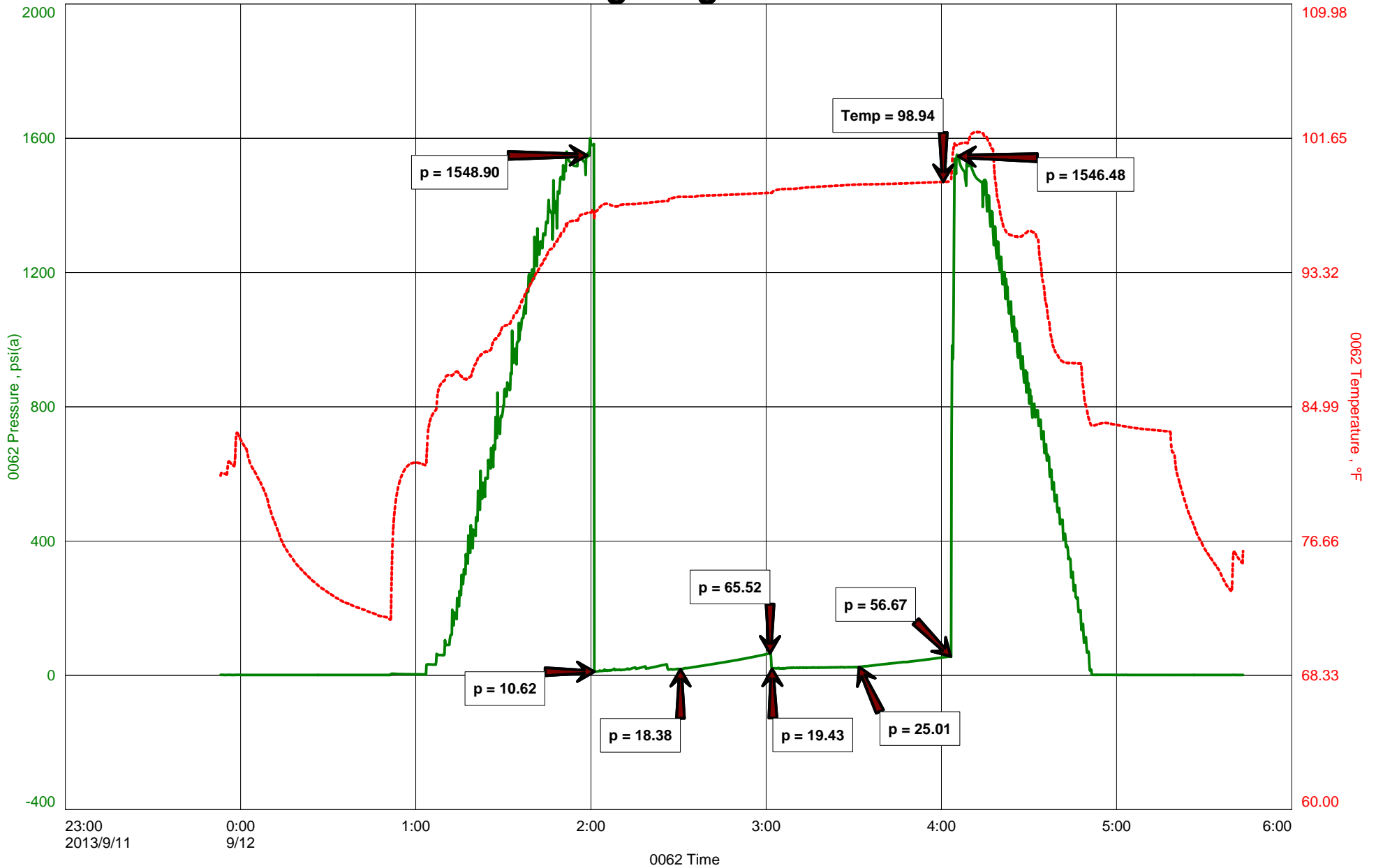
Initial Hydrostatic Pressure..... (A) 1549 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 66 P.S.I.
Final Flow Period..... Minutes 30 (E) 19 P.S.I. to (F) 25 P.S.I.
Final Closed In Period..... Minutes 30 (G) 57 P.S.I.
Final Hydrostatic Pressure..... (H) 1546 P.S.I.

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

LD Drilling, Inc.
DST #2 L/KC 'H-K' 3160'-3250'
Start Test Date: 2013/09/11
Final Test Date: 2013/09/12

Ringing #3-15
Formation: L/KC 'H-K' 3160'-3250'
Pool: NA
Job Number: F170

Ringing #3-15





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling, Inc.	Well Name	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #3 Arbuckle 3271'-3294'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Barton Co.-KS
Site Contact	Kim Shoemaker	Test Unit	
Field	Chase Silica	Pool	
Well Type	Vertical	Job Number	F171
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Bottom-Hole w/safety joint	Test Purpose	Initial Test
Formation	Arbuckle 3271'-3294'	Gauge Name	0062
Start Test Date	2013/09/12	Start Test Time	13:27:00
Final Test Date	2013/09/12	Final Test Time	17:27:00

Test Results

30 minute flow period: Surface blow, dead in 12 minutes.
30 minute shut-in period: No blow.

Recovered: 1' Drilling Mud
----- Bottom-Hole Temp: 97 Deg F

Pressures: IHP: 1584
IFP: 9-10
ISIP: 21
FHP: 1584



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST3

TIME ON: on loc 12:38pm/batt on 1:27pm
TIME OFF: 5:27 PM

Company LD Drilling, Inc. Lease & Well No. Ringering #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation _____ Arbuckle Effective Pay _____ Ft. Ticket No. F171
Date 9-12-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. THREE Interval Tested from 3271 ft. to 3294 ft. Total Depth 3294 ft.
Packer Depth 3266 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3271 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3254 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3291 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 8000 P.P.M. Drill Pipe Length 3123 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 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. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, dead in 12 minutes.
2nd Open: _____

Recovered 1 ft. of Drilling Mud
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) 2:51 PM A.M. P.M. Time Started Off Bottom 3:51 PM A.M. P.M. Maximum Temperature 97 Deg F

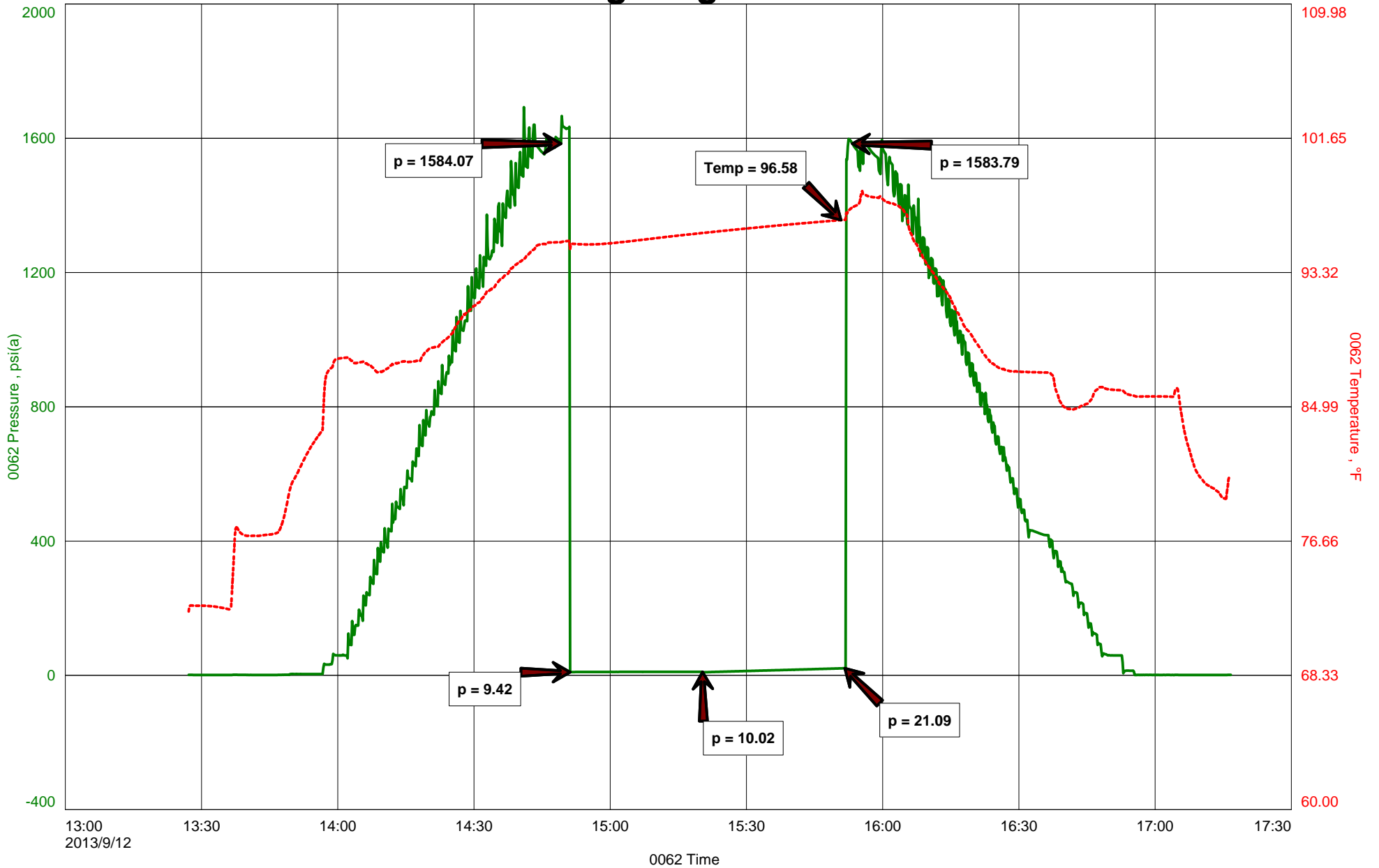
Initial Hydrostatic Pressure..... (A) 1584 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 10 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 21 P.S.I.
Final Flow Period..... Minutes ----- (E) ----- P.S.I. to (F) ----- P.S.I.
Final Closed In Period..... Minutes ----- (G) ----- P.S.I.
Final Hydrostatic Pressure..... (H) 1584 P.S.I.

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

LD Drilling, Inc.
DST #3 Arbuckle 3271'-3294'
Start Test Date: 2013/09/12
Final Test Date: 2013/09/12

Ringing #3-15
Formation: Arbuckle 3271'-3294'
Job Number: F171

Ringing #3-15





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling, Inc.	Well Name	Ringing #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #4 Arbuckle 3270'-3301'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Batron Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase-Silica	Pool	NA
Well Type	Vertical	Job Number	F172
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Bottom-Hole w/safety joint	Test Purpose	Initial Test
Formation	Arbuckle 3270'-3301'	Gauge Name	0062
Start Test Date	2013/09/12	Start Test Time	21:30:00
Final Test Date	2013/09/13	Final Test Time	03:04:00

Test Results

30 minute initial flow period:	Surface blow, dead in 18 minutes.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	No blow.
30 minute final shut-in period:	No blow.

Recovered: 5' Drilling Mud
----- Bottom-Hole Temp: 97 Deg F

Pressures: IHP: 1607
IFP: 9-11
ISIP: 20
FFP: 11-12
FSIP: 17
FHP: 1607

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST4

TIME ON: on loc 8:58pm/batt on 9:30pm
TIME OFF: 3:04am

Company LD Drilling, Inc. Lease & Well No. Ringing #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation _____ Arbuckle Effective Pay _____ Ft. Ticket No. F172
Date 9-13-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. FOUR Interval Tested from 3270 ft. to 3301 ft. Total Depth 3301 ft.
Packer Depth 3265 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3270 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3253 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3298 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 8000 P.P.M. Drill Pipe Length 3122 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 31 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: Surface blow, dead in 18 minutes.
2nd Open: No blow.

Recovered <u>5</u> ft. of <u>Drilling Mud</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

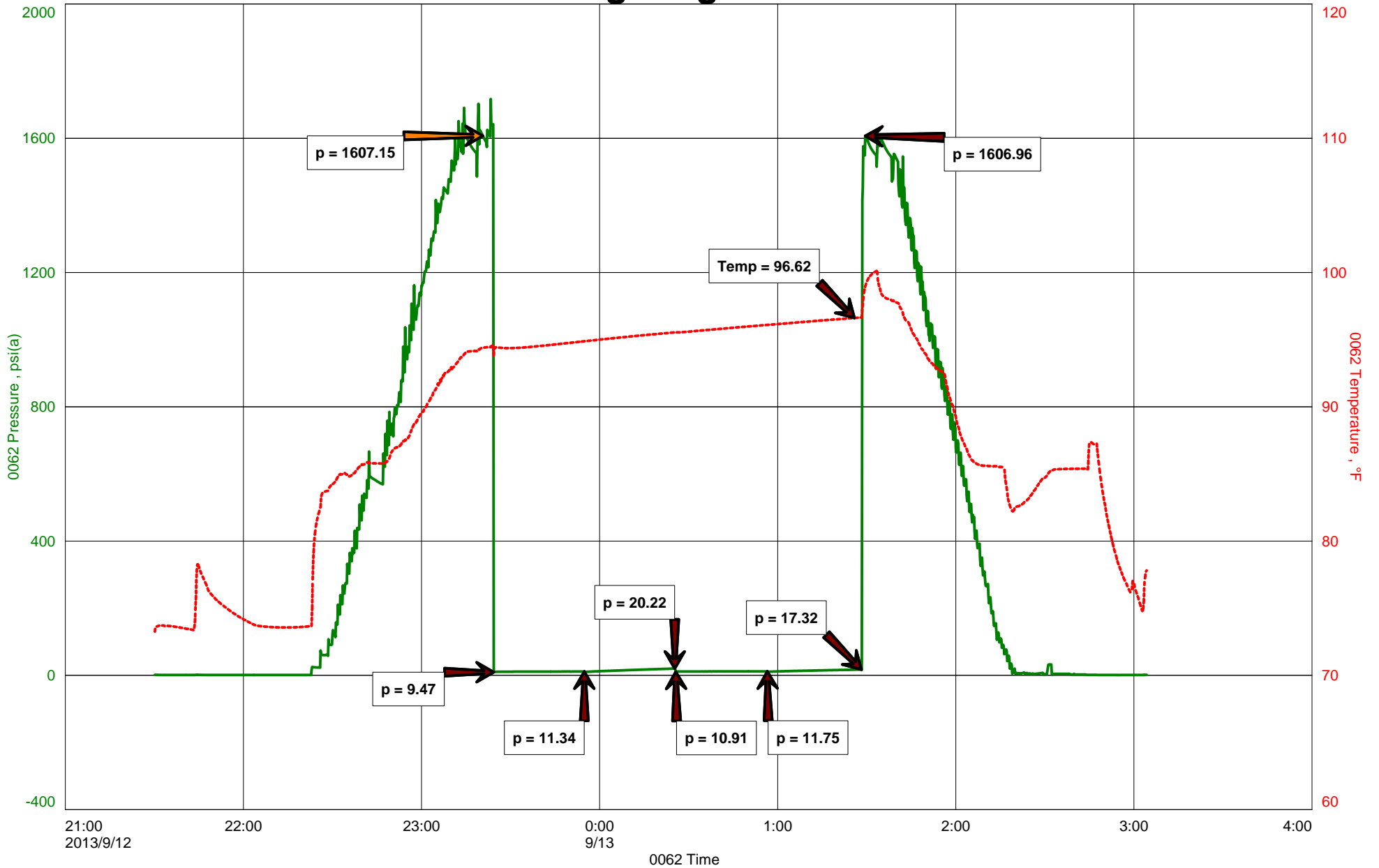
Time Set Packer(s) 11:24 PM A.M. P.M. Time Started Off Bottom 1:24 AM A.M. P.M. Maximum Temperature 97 Deg F
Initial Hydrostatic Pressure..... (A) 1607 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 20 P.S.I.
Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 12 P.S.I.
Final Closed In Period..... Minutes 30 (G) 17 P.S.I.
Final Hydrostatic Pressure..... (H) 1607 P.S.I.

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

LD Drilling, Inc.
DST #4 Arbuckle 3270'-3301'
Start Test Date: 2013/09/12
Final Test Date: 2013/09/13

Ringing #3-15
Formation: Arbuckle 3270'-3301'
Pool: NA
Job Number: F172

Ringing #3-15





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling, Inc.	Well Name	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #5 Arbuckle 3297'-3311'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Barton Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase-Silica	Pool	NA
Well Type	Vertical	Job Number	F172
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Bottom-Hole w/safety joint	Test Purpose	Initial Test
Formation	Arbuckle 3297'-3311'	Gauge Name	0062
Start Test Date	2013/09/13	Start Test Time	08:18:00
Final Test Date	2013/09/13	Final Test Time	13:33:00

Test Results

30 minute initial flow period: Strong blow, lost some mud, regained packer seat, .5" blow, blow died.
 45 minute initial shut-in period: No blow.
 30 minute final flow period: No blow.
 30 minute final shut-in period: No blow.

Recovered: 375' Drilling Mud
 ----- oil specks in tool
 ----- Bottom-Hole Temp: 97 Deg F

Pressures: IHP: 1621
 IFP: 191-208
 ISIP: 974
 FFP: 206-206
 FSIP: 498
 FHP: 1621

Thanks.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST5

TIME ON: O.L. 8:00 am / B.O. 8:18 am
TIME OFF: 1:33 pm

Company LD Drilling, Inc. Lease & Well No. Ringing #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation _____ Arbuckle Effective Pay _____ Ft. Ticket No. F175
Date 9-13-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. FIVE Interval Tested from 3297 ft. to 3311 ft. Total Depth 3311 ft.
Packer Depth 3292 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3297 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3280 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3308 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 54 Drill Collar Length 150 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 12.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 12000 P.P.M. Drill Pipe Length 3107 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 14 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: Strong blow, lost some mud, regained packer seat, .5" blow, blow died.
2nd Open: No blow.

Recovered <u>375</u> ft. of <u>Drilling Mud</u>	
Recovered _____ ft. of <u>oil specks in tool</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

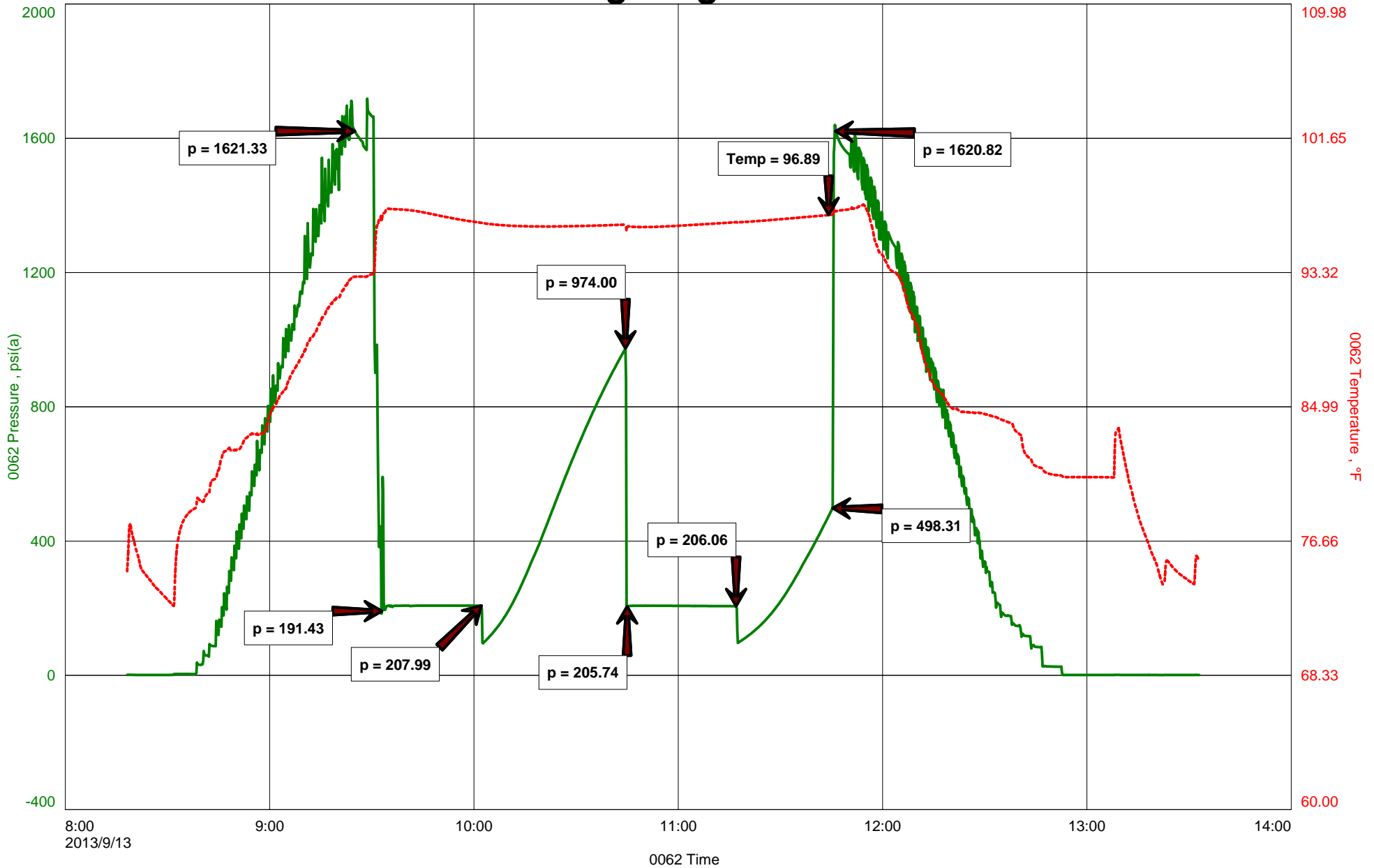
Time Set Packer(s) 9:30 AM A.M. P.M. Time Started Off Bottom 11:45 AM A.M. P.M. Maximum Temperature 97 Deg F
Initial Hydrostatic Pressure..... (A) 1621 P.S.I.
Initial Flow Period..... Minutes 30 (B) 191 P.S.I. to (C) 208 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 974 P.S.I.
Final Flow Period..... Minutes 30 (E) 206 P.S.I. to (F) 206 P.S.I.
Final Closed In Period..... Minutes 30 (G) 498 P.S.I.
Final Hydrostatic Pressure..... (H) 1621 P.S.I.

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

LD Drilling, Inc.
DST #5 Arbuckle 3297'-3311'
Start Test Date: 2013/09/13
Final Test Date: 2013/09/13

Ringing #3-15
Formation: Arbuckle 3297'-3311'
Pool: NA
Job Number: F172

Ringing #3-15





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drillnig, Inc.	Well Name	Ringering #3-15
Well Operator	LD Drilling, Inc.	Unique Well ID	DST #6 Arbuckle 3268'-3317'
Contact	LD Davis	Surface Location	Sec 15-20s-11w-Barton Co.-KS
Site Contact	Kim Shoemaker	Test Unit	#5
Field	Chase Silica	Pool	NA
Well Type	Vertical	Job Number	F174
Prepared By	Jake Fahrenbruch	Qualified By	Kim Shoemaker

Test Information

Test Type	Bottom-Hole w/safety joint	Test Purpose	Initial Test
Formation	Arbuckle 3268'-3317	Gauge Name	0062
Start Test Date	2013/09/13	Start Test Time	17:36:00
Final Test Date	2013/09/14	Final Test Time	00:13:00

Test Results

30 minute initial flow period:	Surface blow, increased to 4.5".
45 minute initial shut-in period:	No blow.
45 minute final flow period:	Surface blow, increased to 6".
60 minute final shut-in period:	No blow.

Recovered: 5' Clean Oil
 130' O&WCM 8% oil, 15% wtr, 77% mud
 ---- Tool Sample: W&OCM 20% oil, 15% wtr, 65% mud
 ---- Bottom-Hole Temp: 96 Deg F
 ---- Chlorides: 11,000 PPM

Pressures:
 IHP: 1576
 IFP: 17-53
 ISIP: 955
 FFP: 54-74
 FSIP: 930
 FHP: 1572

Thanks!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RINGERING3DST6

TIME ON: O.L. 4:30pm / B.O. 5:36pm
TIME OFF: 12:13am

Company LD Drilling, Inc. Lease & Well No. Ringing #3-15
Contractor Petromark Drilling, LLC Rig #2 Charge to LD Drilling, Inc.
Elevation 1764' KB Formation _____ Arbuckle Effective Pay _____ Ft. Ticket No. F174
Date 9-13-2013 Sec. 15 Twp. _____ 20 S Range _____ 11 W County _____ Barton State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jake Fahrenbruch

Formation Test No. SIX Interval Tested from 3268 ft. to 3317 ft. Total Depth 3317 ft.
Packer Depth 3263 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3268 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 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3314 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 12.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 12000 P.P.M. Drill Pipe Length 3120 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (safety joint only) Test Tool Length 28 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. ^{15' PERF (2' TOP, 13' BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to 4.5".
2nd Open: Surface blow, increased to 6".

Recovered 5 ft. of Clean Oil
Recovered 130 ft. of O&WCM 8% oil, 15% wtr, 77% mud
Recovered ----- ft. of Tool Sample: W&OCM 20% oil, 15% wtr, 65% mud
Recovered ----- ft. of Chlorides: 11,000 PPM

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

Time Set Packer(s) 7:13 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:13 PM ^{A.M.}/_{P.M.} Maximum Temperature 96 Deg F

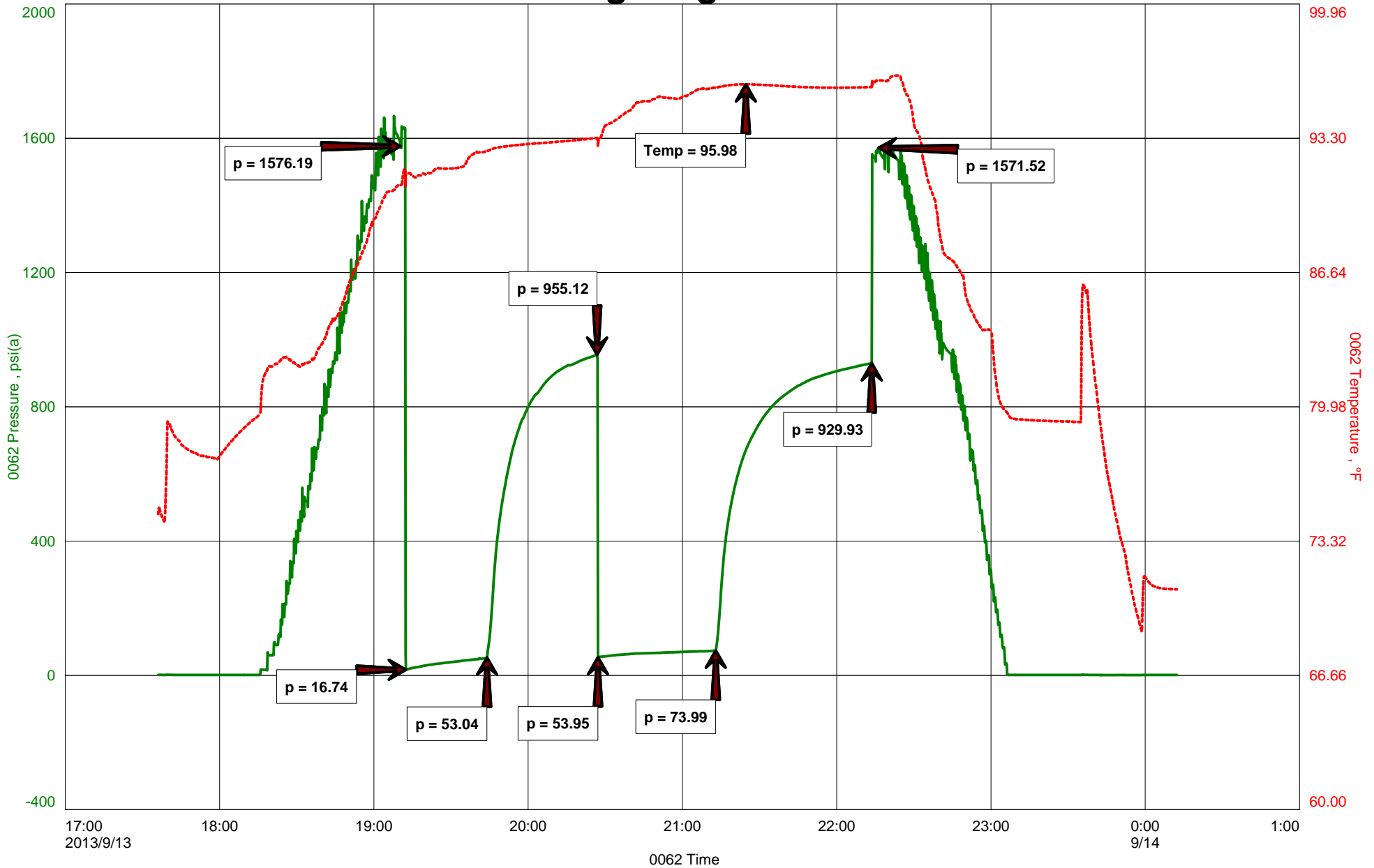
Initial Hydrostatic Pressure..... (A) 1576 P.S.I.
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 53 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 955 P.S.I.
Final Flow Period..... Minutes 45 (E) 54 P.S.I. to (F) 74 P.S.I.
Final Closed In Period..... Minutes 60 (G) 930 P.S.I.
Final Hydrostatic Pressure..... (H) 1572 P.S.I.

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

LD Drillnig, Inc.
DST #6 Arbuckle 3268'-3317'
Start Test Date: 2013/09/13
Final Test Date: 2013/09/14

Ringing #3-15
Formation: Arbuckle 3268'-3317'
Pool: NA
Job Number: F174

Ringing #3-15



KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
 LEASE # 3-15 RINGERING
 FIELD CHASE-SILICA
 LOCATION 4575' FSL & 330' FEL
 SEC 15 TWSP 20s RGE 11w
 COUNTY BARTON STATE KANSAS
 CONTRACTOR PETROMARK DRILLING RIG 2
 SPUD 9-7-13 COMP 9-14-13
 RTD 3420 LTD 3421
 MUD UP 2650 TYPE MUD CHEMICAL

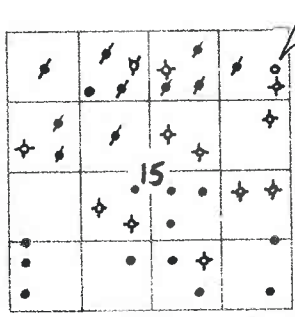
ELEVATIONS
 KB 1764
 DF _____
 GL 1759
 Measurements Are All
 From 1764 KB

CASING
 SURFACE 8 5/8" @ 343'
 PRODUCTION _____

ELECTRICAL SURVEYS
DUAL IND, DENS.-N., Micro

SAMPLES SAVED FROM 2700 TO 3420
 DRILLING TIME KEPT FROM 2600 TO 3420
 SAMPLES EXAMINED FROM 2700 TO 3420
 GEOLOGICAL SUPERVISION FROM 3000 TO 3420
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	498-1266	510+ 1254
TOPEKA	2630-866	2626- 862
HEEBNER	2892-1128	2892- 1128
BROWN LIME	3016-1252	3015- 1251
LANSING	3040-1276	3037- 1273
B/KC	3274-1510	3275- 1511
ARBUCKLE	3290-1526	3290- 1526



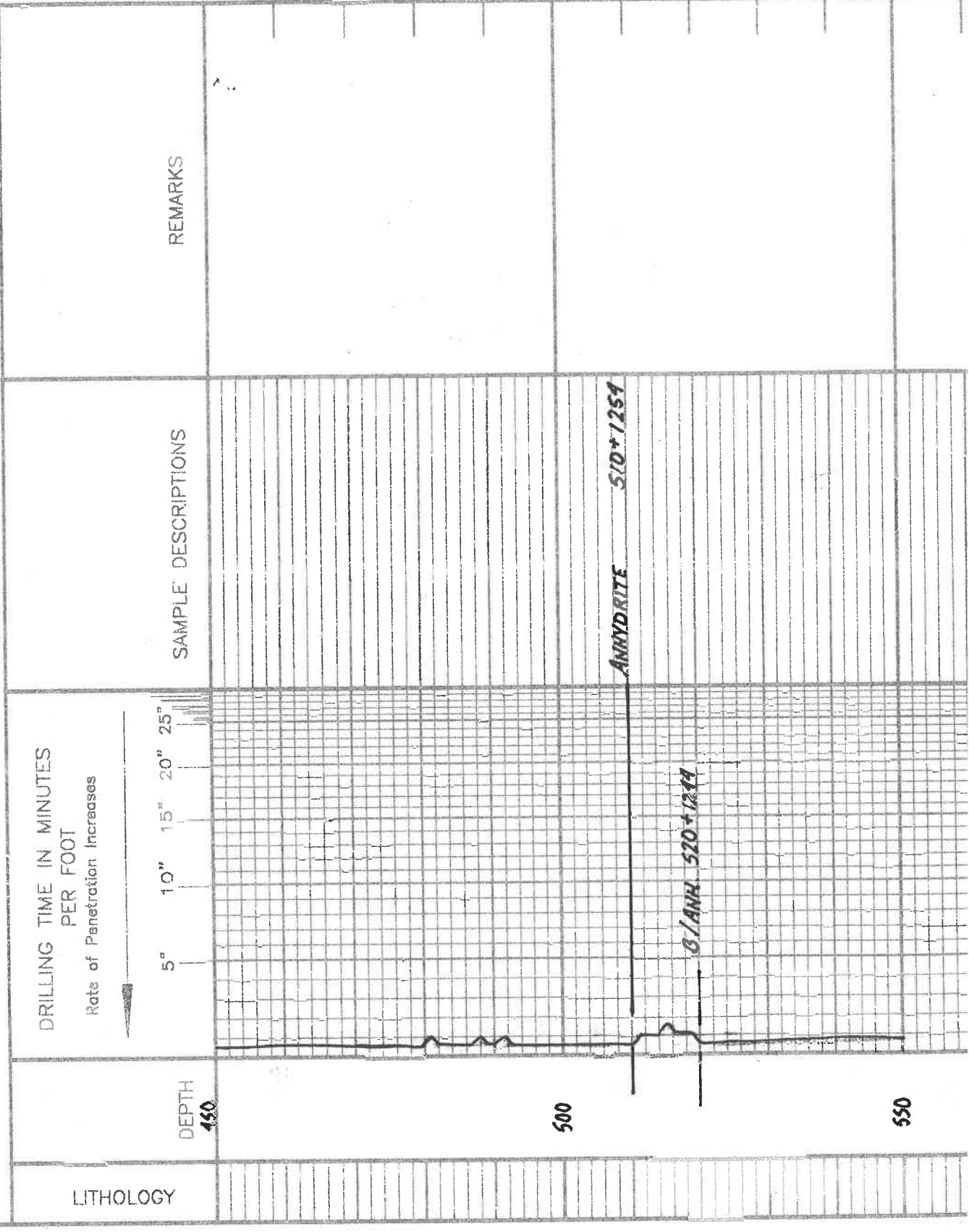
API: 15-009-25877

REMARKS
 9-7-13 SPUD
 9-8 @ 348'
 9-9 @ 1515'
 9-10 @ 2580'
 9-11 @ 3127'
 9-12 @ 3250'
 9-13 @ 3311'
 9-14 @ 3420'

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool. Lime
- Chert
- Dolomite

SHOE01-06



2600

2700

2800

TOPEKA 2626-862

TOP LOG

Samples are lagged

ls. Br. Lt. Br. Sil. A

Sh. Dk. G. Blk.

Sh. Lt. G. Silty

ls. wh. Sil. Foss. Sil. Chalk

Sh. G. G.

ls. T. wh. Sil. Foss. Sil. A

ls. wh. Sil. Foss. Sil. Chalk

Sh. Lt. G. Silty Sh. A

ls. T. Sil. Foss. w/ DK. G. Foss.

Sh. Blk.

ls. G. Foss.

A G. ls. T. Sil. Foss.

ls. T. V. Sil. A

ls. wh. Lt. G. Sil. Foss. Sil. Chalk

ls. wh. G. Sil. Foss.

ls. G. Br.

ls. T. Sil. Foss. Sil. A

HEERER 2892-1128

HEBNER 2897-1128
St. Blk. Camb.

Sh. Blk.
15. wt. Sil. Foss. Si. A w/ T. Blk. Sh.
15. wt. YSE. Foss. Sil. Chalk

Sh. Blk.
Sh. Blk. Silty

Sh. Blk. Silty

Sh. Blk. Silty

Sh. Blk. Silty

BROWN LIME 3015-1251
15. wt. YSE. Foss. Sil. Chalk

LANSING 3037-1273
15. wt. Chalk. YSE. Foss.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

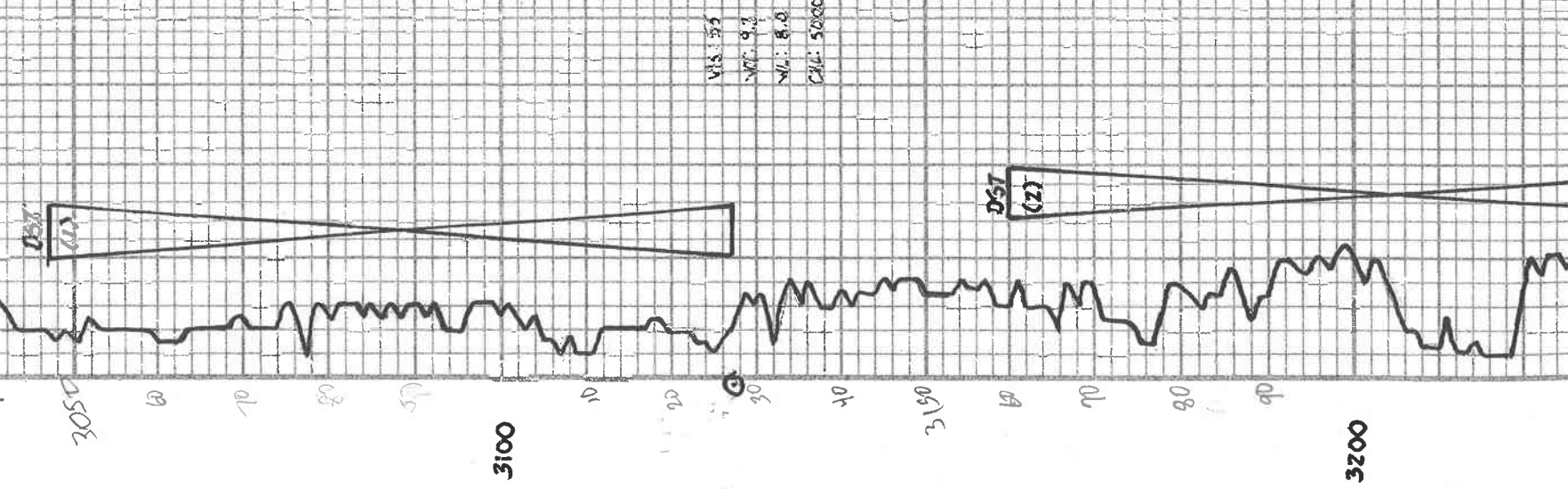
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.
15. wt. Sil. Foss. Si. A. w/ T. Blk. Sh.

2900
TORONTO
DOUGLAS

3000
40
3050
60
70
80
90

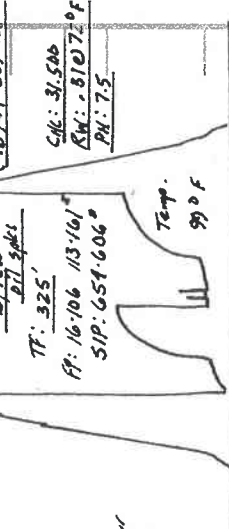
3100
10
20
30
40
50
60
70
80
90

3200



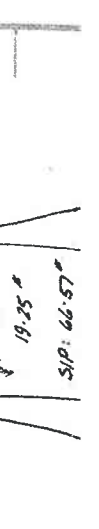
DST (1) 3047-3127
15' OPEN: Bottom bucket 18 min.
2nd OPEN: " 32 "

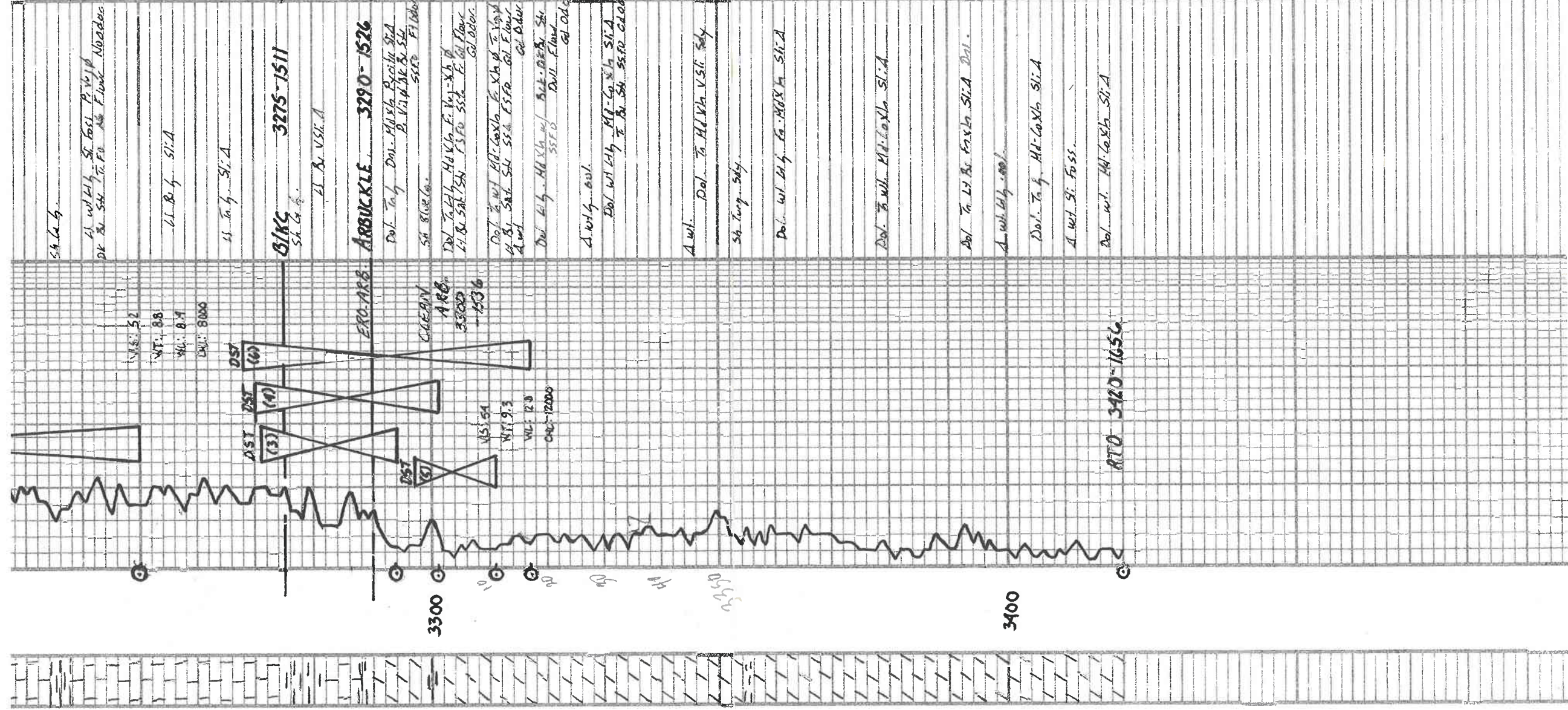
30-45-15-60
Rec. 195' MK w/ sack oil
180' SMW
w/ low
DIT sack
(18' / M-82) w/



DST (2) 3160-3250
15' OPEN: Blow with 10 "

30-20-30-30
Rec. 15' Mud
FP: 11-18
19-25
SIP: 66-57



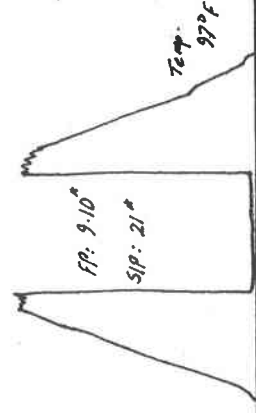


DST (3) 3271-3291

1st OPEN: Surface Blow died 12 min.

30-30

Rec. 1' Mud



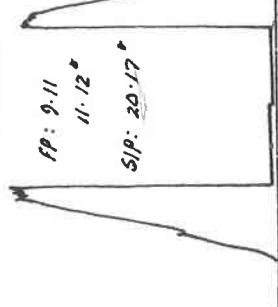
DST (4) 3270-3301

1st OPEN: Blow died 18 min.

2nd OPEN: No Blow

30-30-30-30

Rec. 5' Mud



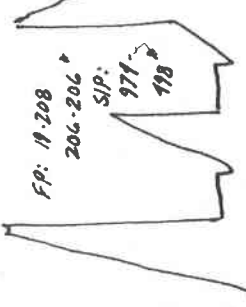
DST (5) 3297-3311

1st OPEN: Strong Blow; Reset Pressure 1/2 Blow

2nd OPEN: No Blow

30-45-30-30

Rec. 375' Mud - few oil spots in 700'



DST (6) 3268-3317

1st OPEN: Blow built to 4 1/2"

2nd OPEN: " " " 6"

30-45-45-60

Rec. 5' Clean Oil

130' SOCWM (0.70% 15% W) 771(M)

TT 135'

70.4 99.5 1000 1

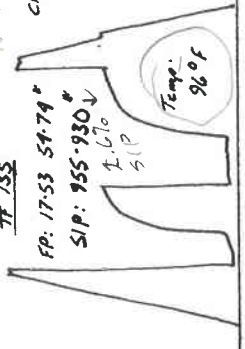
CHE: 11.000

15.4.01

15.4.01

15.4.01

Temp: 96°F



ARRUCKLE 3290-1526

3275-1511

SL To h. SLA

LI To h. SLA

SL To h. SLA

SL To h. SLA

ERC-ARB

SL To h. SLA

SL To h. SLA

LI To h. SLA

SL To h. SLA

SL To h. SLA

CLEAN ARC

33000

1036

VLS 54

VLS 9.3

VLS 12.8

CNC-12000

RTD 3420-1656

RTD 3420-1656

RTD 3420-1656

RTD 3420-1656

RTD 3420-1656

RTD 3420-1656

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