



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1175470
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: _____

1175470

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. 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

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 08783 A

DATE _____ TICKET NO. _____

DATE OF JOB 10-4-13 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		LEASE HISS 1-23 WELL NO.:							
ADDRESS		COUNTY BARTON STATE KS							
CITY STATE		SERVICE CREW KC, MCCRAW, DACE							
AUTHORIZED BY		JOB TYPE: CNW - LOW STRENGTH							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19907		19960					10-4	PM	1200
		21010	1/2			ARRIVED AT JOB		PM	1730
77686	1/2					START OPERATION		AM	2015
19905	1/2					FINISH OPERATION		PM	2045
						RELEASED		AM	2130
						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: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100	COMMON CEMENT	SK	150		2400 00
CP103	60/40 P02	SK	30		360 00
CC105	C-41P DETONATER	Lb.	43		172 00
CC111	START	Lb.	1465		732 50
CC112	CEMENT FRACTION REDUCER	Lb.	128		768 00
CC113	GYP SUM	Lb.	850		637 50
CC201	CDS ONITE	Lb.	960		603 00
CF103	5/2 TOP RUBBER PLUG	EA	1		105 00
CF251	5/2 GUIDE SHOE	EA	1		250 00
CF1451	5/2 API INSERT FLOAT	EA	1		215 00
CF1651	5/2 TURBOLET	EA	6		660 00
CC154	SUPERFENSIL	gal.	500		1225 00
E100	PICKUP MILE	mile	60		255 00
E101	TRUCK MILE	mile	120		840 00
E113	BULK DELIVERY	Ton	510		816 00
CE204	DEPTH CHARGE 300' - 400'	EA	1		2160 00
CE240	BLENDED CHARGE	SIL	180		252 00
CE504	PLUG CONTACTOR	EA	1		250 00
5003	SERVICE SUPERVISOR	EA	1		175 00

SUB TOTAL **9657.00**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <u><i>[Signature]</i></u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u><i>[Signature]</i></u>
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer LD DRILLING	Lease No.	Date 10-4-13
Lease HISS	Well # 1-23	
Field Order # 8785	Station PRATT, KS.	Casing 5 1/2
	Depth 3654	County BARTON
Type Job CNW - LONG STROUW	Formation TD-3659	State KS
		Legal Description 23-20-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2				Pre Pad	Max		5 Min.	
Depth 3654	Depth	From	To	Pad	Min		10 Min.	
Volume 89	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plus Depth 3644	Packer Depth	From	To					

Customer Representative LD	Station Manager KEVIN	Treater BONDUEY
Service Units 19907	77686-19905	19960-21010
Driver Names NG	MCCRAW	DALE

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1730					ON LOCATION
					RUN 3649' 5 1/2 14" CS 88 FT
					GUIDE SHOE, INSERT FROM
					CENT-1-3-4-5-7-9
					THG BOTTOM-DROP BALL-CURE.
					SET 5 1/2 AT 3654'
2015	300		5	6	PUMP 5 bbl. H2O
	300		12	6	PUMP 12 bbl. SUPERFLUSH
	300		5	6	PUMP 5 bbl. H2O
	300		36	6	PUMP 150 SIL COMMON
					18% SACT 5 #/SK GILSONITE,
					5% B4PSUM, 3/4% CFR,
					1/4% DEFOMMER AT 15.5 ppg
					STOP - WASH LINE - DROP PUMP
	0		0	6.7	START DESP.
	300		79	6.7	LEFT CEMENT
	300		84	5	SLOW RATE
2045	1200		89	5	PLUG DOWN - HELD
2100					PLUG RAT HOLE - 30 SIL 60/40 POZ
					JOB COMPLETE - KEVIN



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

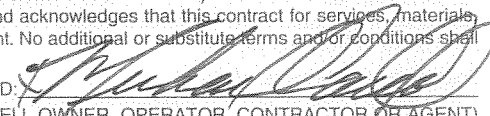
FIELD SERVICE TICKET
1717 04336 A

DATE _____ TICKET NO. _____

DATE OF JOB 9-28-13	DISTRICT 1717	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 Hiss		# 123		WELL NO.				
ADDRESS _____				COUNTY Barton		STATE KS			
CITY _____ STATE _____				SERVICE CREW J. Chavez, Sam, Santiago					
AUTHORIZED BY Tony Burt JRB				JOB TYPE: 242 Surface 8 5/8					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
78938	10	70897	10	38117	10	ARRIVED AT JOB	9-28-13	AM	11:00
		19570	1	37549	1	START OPERATION	9-28-13	AM	4:00
						FINISH OPERATION	9-28-13	AM	8:00
						RELEASED	9-28-13	AM	9:00
						MILES FROM STATION TO WELL		PM	10:00
									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: 
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL101	A-Con Blend	sk	200		3720 00
CL110	Premium Plus Cement	sk	200		3260 00
CF105	Top Rubber Plug	ea	1		225 00
E100	Pickup Mileage	mi	55		233 75
E101	Heavy Equipment Mileage	mi	110		770 00
E113	Bulk Delivery Charge	tm	1034		1654 40
CE201	Depth Charge	4hrs	1		1200 00
CE240	Blending & Mixing Charge	sk	400		560 00
CE 504	Plug Container Charge	ea	1		250 00
5003	Service Supervisor	ea	1		175 00
CC102	Cellofale	lb	100		370 00
CC109	Calcium chloride	lb	940		987 00

SUB TOTAL **9922 00**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE 

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

FIELD SERVICE ORDER NO. _____



Cement Report

Customer <i>LD Drilling</i>		Lease No.		Date <i>9-28-13</i>	
Lease <i>H155</i>		Well # <i>1-23</i>		Service Receipt <i>04J36</i>	
Casing <i>8 5/8</i>	Depth <i>800</i>	County <i>Barton</i>		State <i>KS</i>	
Job Type <i>242 Surface</i>		Formation		Legal Description <i>23-20-14</i>	
Pipe Data			Perforating Data		Cement Data
Casing size <i>8 5/8</i>	Tubing Size	Shots/Ft		Lead <i>200 slc A-ton</i>	
Depth <i>800</i>	Depth	From	To	<i>2.47 F17-SL</i>	
Volume <i>4845</i>	Volume	From	To	<i>14.4 Gd-SL 12#</i>	
Max Press <i>1300</i>	Max Press	From	To	Tail in <i>200 slc Class C</i>	
Well Connection <i>8 5/8</i>	Annulus Vol.	From	To	<i>1.34 F13-SL</i>	
Plug Depth <i>760</i>	Packer Depth	From	To	<i>6.36d-SL 14.8#</i>	
Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>400</i>					<i>Arrive On Location</i>
<i>430</i>					<i>Safety Meet - Rig up</i>
<i>400</i>					<i>Rig Moving Casing</i>
<i>800</i>					<i>Circulate w/rig</i>
<i>810</i>					<i>Hook up to TSES</i>
<i>815</i>	<i>1000</i>		<i>1.0</i>	<i>1.0</i>	<i>Pressure Test</i>
<i>855</i>	<i>300</i>		<i>88</i>	<i>4.0</i>	<i>Pump Lead cont @ 12#</i>
<i>845</i>	<i>300</i>		<i>47</i>	<i>4.0</i>	<i>Pump Tail cont @ 14.8#</i>
<i>900</i>					<i>Drop Plug - Washup</i>
<i>915</i>	<i>300</i>		<i>48</i>	<i>4.0</i>	<i>Displace</i>
					<i>Sheet in Well</i>
					<i>Job Complete</i>
					<i>Cement To Surface</i>
					<i>Thanks For Using Basic Energy Services</i>
Service Units	<i>78938</i>	<i>70897-19570</i>	<i>38117-3747</i>		
Driver Names	<i>I. Chaoz</i>	<i>Sam</i>	<i>Subjo One</i>		

LD
Customer Representative

Sen Roth
Station Manager

I. Chaoz
Cementer
Taylor Printing, Inc.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M554
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3283-3355 LANS A-F	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/01
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3283-3355 LANS A-F		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/01	Start Test Time	11:25:00
Final Test Date	2013/10/01	Final Test Time	17:30:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**
60' VSOSGM 1% GAS, 99% MUD, W/ A THIN SCUM OF OIL
60' TOTAL FLUID

TOOL SAMPLE: 5% GAS, 1% OIL, TRACE OF WTR, 94% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST1

TIME ON: 1125
TIME OFF: 1730

Company L.D. DRILLING, INC. Lease & Well No. HISS #1-23
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1900 KB Formation LANS A-F Effective Pay _____ Ft. Ticket No. M554
Date 10/1/2013 Sec. 23 Twp. 20 S Range 14 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3283 ft. to 3355 ft. Total Depth 3355 ft.
Packer Depth 3278 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3283 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3265 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3352 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 56 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 3139 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 72 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' D.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB, INC. TO 2 1/2" (NO BB)
2nd Open: VVWSB, INC. TO 1" (NO BB)

Recovered 60 ft. of VSOSGM 1% GAS, 99% MUD, W/ A THIN SCUM OF OIL
Recovered 60 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

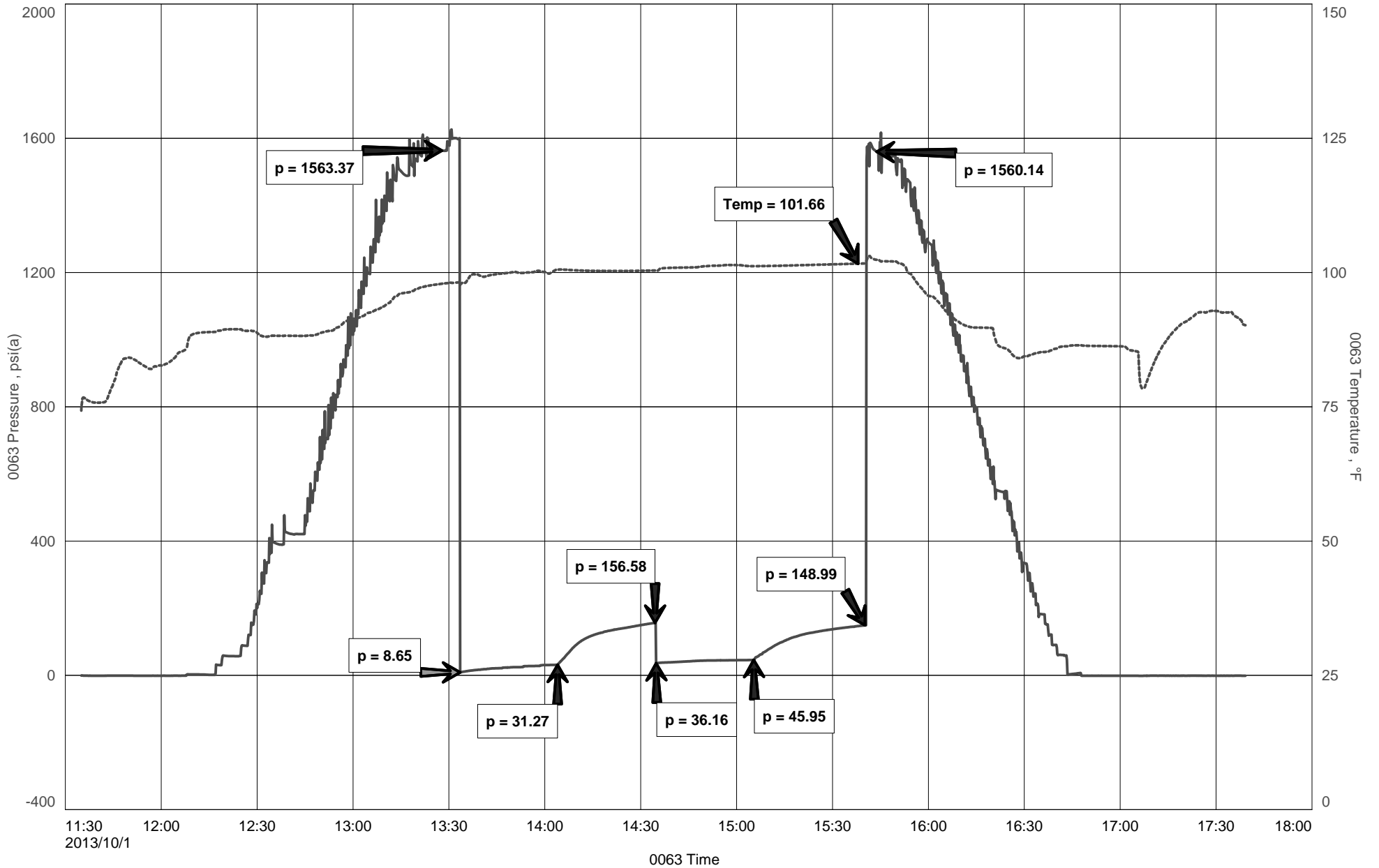
Remarks: _____	Price Job
_____	Other Charges
_____	Insurance
TOOL SAMPLE: 5% GAS, 1% OIL, TRACE OF WTR, 94% MUD	Total

Time Set Packer(s) 1:30 P.M. A.M. P.M. Time Started Off Bottom 3:30 P.M. A.M. P.M. Maximum Temperature 102

Initial Hydrostatic Pressure..... (A) 1563 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 157 P.S.I.
Final Flow Period..... Minutes 30 (E) 36 P.S.I. to (F) 46 P.S.I.
Final Closed In Period..... Minutes 30 (G) 149 P.S.I.
Final Hydrostatic Pressure..... (H) 1560 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.

HISS #1-23





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST2

TIME ON: 0340
TIME OFF: 1110

Company L.D. DRILLING, INC. Lease & Well No. HISS #1-23
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1900 KB Formation LANS H-K Effective Pay _____ Ft. Ticket No. M555
Date 10/2/2013 Sec. 23 Twp. 20 S Range 14 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3390 ft. to 3465 ft. Total Depth 3465 ft.

Packer Depth 3385 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 3390 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3377 ft. Recorder Number 0063 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 3462 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 56 Drill Collar Length 117 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 2,000 P.P.M. Drill Pipe Length 3246 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 75 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' D.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: **STRONG 2" BLOW RIGHT AWAY, BOB 1 MIN 25 SEC. (5" BB)**

2nd Open: **STRONG 3" BLOW, BOB 1 MIN 15 SEC. (BOB BB)**

Recovered 239 ft. of GHOCM 14% GAS, 44% OIL, 42% MUD

Recovered 306 ft. of WGMCO 10% GAS, 71% OIL, 5% WTR, 14% MUD (189' DP, 117' DC)

Recovered 545 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 10,000 PPM Price Job

Recovered _____ ft. of _____ Other Charges

Remarks: GTS DURING FINAL SHUT IN Insurance

TOOL SAMPLE: 5% GAS, 34% OIL, 14% WTR, 47% MUD Total

Time Set Packer(s) 5:30 A.M. A.M. P.M. Time Started Off Bottom 8:30 A.M. A.M. P.M. Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1646 P.S.I.

Initial Flow Period..... Minutes 30 (B) 35 P.S.I. to (C) 108 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 985 P.S.I.

Final Flow Period..... Minutes 45 (E) 124 P.S.I. to (F) 198 P.S.I.

Final Closed In Period..... Minutes 60 (G) 978 P.S.I.

Final Hydrostatic Pressure..... (H) 1638 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

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M555
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3390-3465 LANS H-K	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/02
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3390-3465 LANS H-K		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/02	Start Test Time	03:40:00
Final Test Date	2013/10/02	Final Test Time	11:10:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

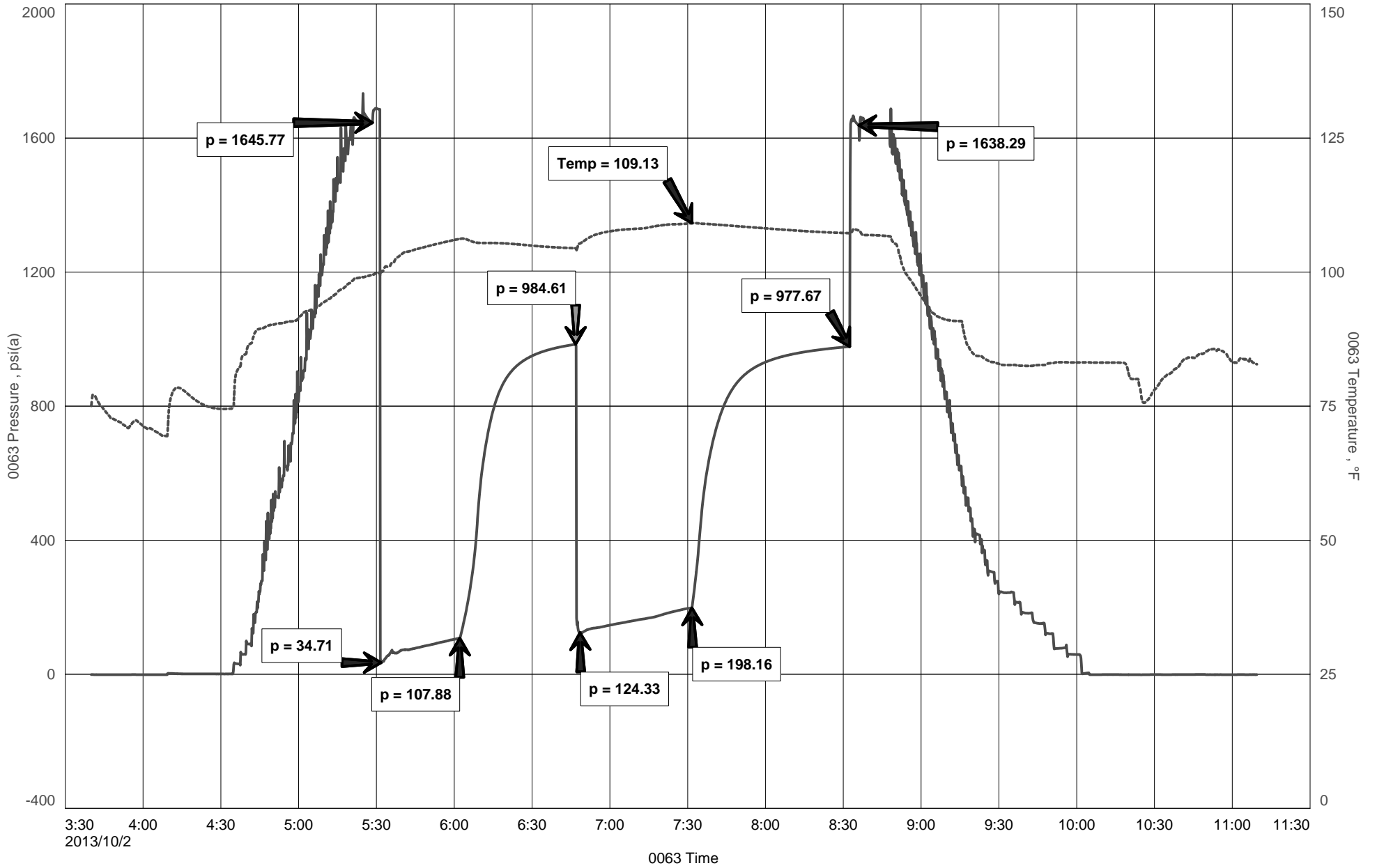
Remarks RECOVERED:

239' GHOCM 14% GAS, 44% OIL, 42% MUD
306' WGMCO 10% GAS, 71% OIL, 5% WTR, 14% MUD (189' DP, 117' DC)
545' TOTAL FLUID

CHLOR: 10,000 PPM

TOOL SAMPLE: 5% GAS, 34% OIL, 14% WTR, 47% MUD

HISS #1-23





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST3

TIME ON: 2050 (10/2)
TIME OFF: 0245 (10/3)

Company L.D. DRILLING, INC. Lease & Well No. HISS #1-23
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1900 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M556
Date 10/2/2013 Sec. 23 Twp. 20 S Range 14 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3484 ft. to 3556 ft. Total Depth 3556 ft.
Packer Depth 3479 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3484 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3466 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3553 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 57 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 3335 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 72 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' D.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INCREASED TO 3/4" (NO BB)
2nd Open: NO BLOW, THEN AFTER 8 MIN A VWSB THAT INC. TO <1/4" (NO BB)

Recovered 20 ft. of SOCM 6% OIL, 94% MUD
Recovered 20 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____	Price Job
_____	Other Charges
_____	Insurance
TOOL SAMPLE: 8% OIL, 92% MUD, GASSY ODOR	Total

Time Set Packer(s) 10:45 P.M. A.M. P.M. Time Started Off Bottom 12:45 A.M. A.M. P.M. Maximum Temperature 105

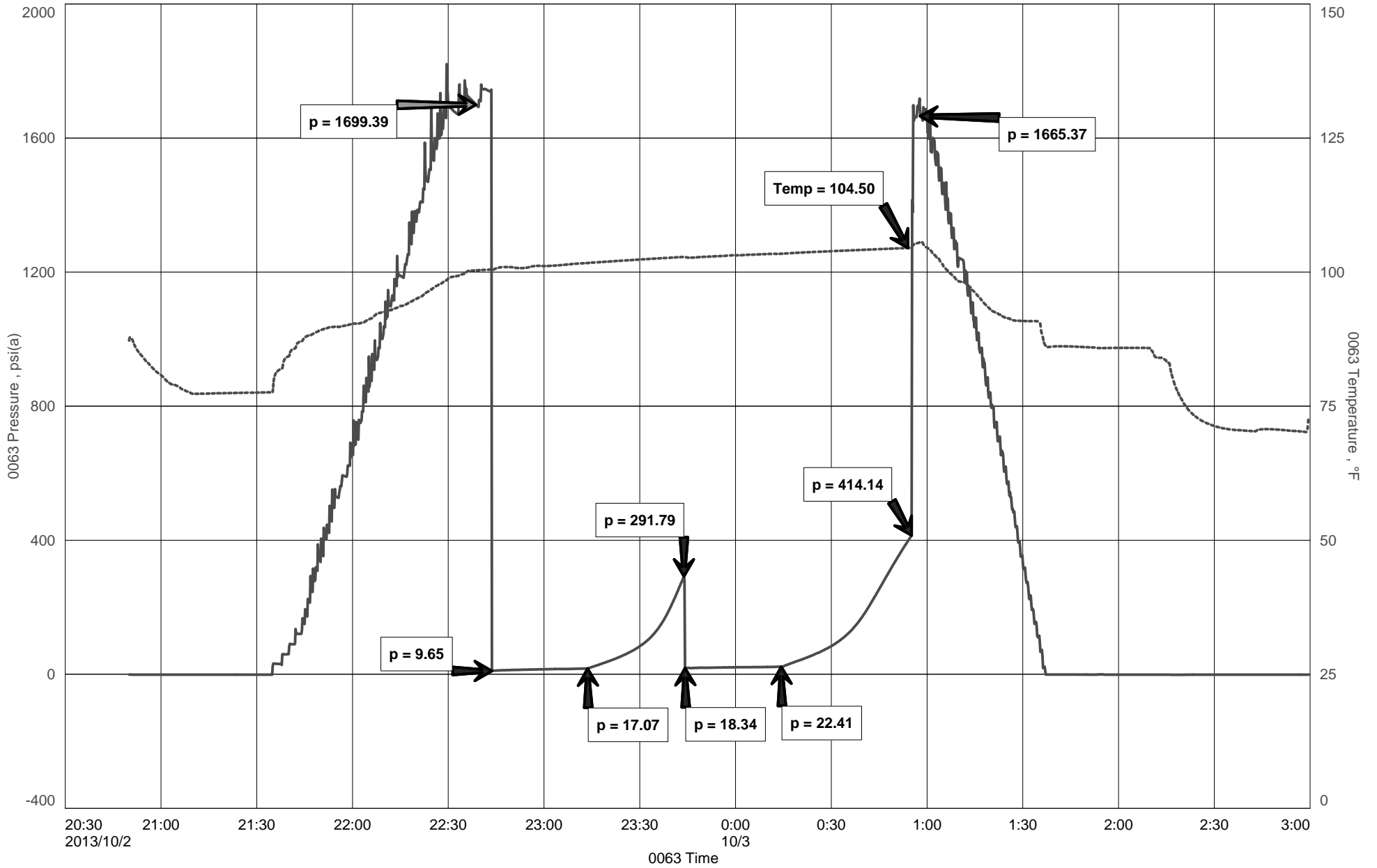
Initial Hydrostatic Pressure..... (A) 1699 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 292 P.S.I.
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 22 P.S.I.
Final Closed In Period..... Minutes 30 (G) 414 P.S.I.
Final Hydrostatic Pressure..... (H) 1665 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.

L.D. DRILLING, INC.
DST#3 3484-3556 ARBUCKLE
Start Test Date: 2013/10/02
Final Test Date: 2013/10/03

HISS #1-23
Formation: DST#3 3484-3556 ARBUCKLE
Pool: WILDCAT
Job Number: M556

HISS #1-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M556
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3484-3556 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3484-3556 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/02	Start Test Time	20:50:00
Final Test Date	2013/10/03	Final Test Time	02:45:00
		Well Fluid Type	01 Oil

Test Results

Remarks **RECOVERED:**
20' SOCM 6% OIL, 94% MUD
20' TOTAL FLUID

TOOL SAMPLE: 8% OIL, 92% MUD, GASSY ODOR



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST4

TIME ON: 0740
TIME OFF: 1340

Company L.D. DRILLING, INC. Lease & Well No. HISS #1-23
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1900 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M557
Date 10/3/2013 Sec. 23 Twp. 20 S Range 14 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 3483 ft. to 3565 ft. Total Depth 3565 ft.
Packer Depth 3478 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3483 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3465 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3562 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 59 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3334 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 82 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' D.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

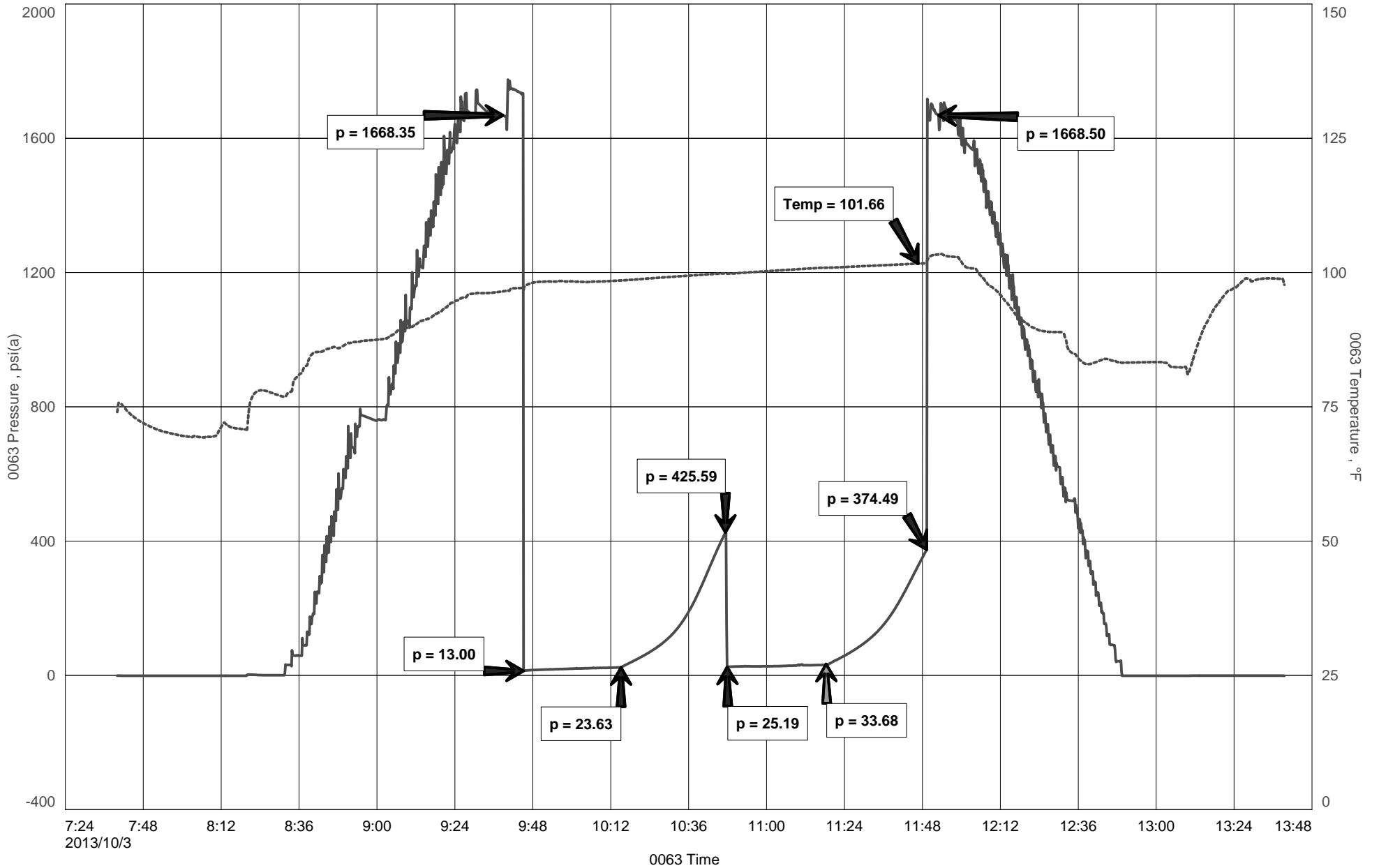
Blow: 1st Open: WSB, INC. TO 1" IN 9 MIN, THEN MAINTAIN AN INTERMITTENT 1" BLOW (NO BB)
2nd Open: VWSB, INC. TO 1/4" (NO BB)

Recovered <u>40</u> ft. of <u>SOCGM 6% GAS, 4% OIL, 90% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>40</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
TOOL SAMPLE: <u>4% OIL, 96% MUD, SLIGHT GASSY ODOR</u>	

Time Set Packer(s) 9:45 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 11:45 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 102
Initial Hydrostatic Pressure..... (A) 1668 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 426 P.S.I.
Final Flow Period..... Minutes 30 (E) 25 P.S.I. to (F) 34 P.S.I.
Final Closed In Period..... Minutes 30 (G) 374 P.S.I.
Final Hydrostatic Pressure..... (H) 1669 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.

HISS #1-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M557
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#4 3483-3565 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 3483-3565 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/03	Start Test Time	07:40:00
Final Test Date	2013/10/03	Final Test Time	13:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

40' SOCGM 6% GAS, 4% OIL, 90% MUD
40' TOTAL FLUID

TOOL SAMPLE: 4% OIL, 96% MUD, SLIGHT GASSY ODOR

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M558
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#5 3563-3577 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/04
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 3563-3577 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/03	Start Test Time	19:00:00
Final Test Date	2013/10/04	Final Test Time	02:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
442' GMW 1% GAS, 5% MUD, 94% WTR
442' TOTAL FLUID

CHLOR: 22,000 PPM
PH:7.0
RW: .30 @ 78 DEG

TOOL SAMPLE: 100% WTR



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: HSS1-23DST5

TIME ON: 1900 (10/3)
 TIME OFF: 0200 (10/4)

Company L.D. DRILLING, INC. Lease & Well No. HISS #1-23
 Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
 Elevation 1900 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M558
 Date 10/3/2013 Sec. 23 Twp. _____ 20 S Range _____ 14 W County BARTON State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 3563 ft. to 3577 ft. Total Depth 3577 ft.

Packer Depth 3558 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 3563 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3545 ft. Recorder Number 0063 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 3574 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 55 Drill Collar Length 117 ft. I.D. 2 1/4 in.

Weight 8.7 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 5,000 P.P.M. Drill Pipe Length 3414 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 1 Test Tool Length 32 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: GSB, BOB 17 MIN (NO BB)

2nd Open: GSB, BOB 23 MIN (NO BB)

Recovered 442 ft. of GMW 1% GAS, 5% MUD, 94% WTR

Recovered 442 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 22,000 PPM

Recovered _____ ft. of RW: .30 @ 78 DEG

Recovered _____ ft. of PH:7.0

Remarks: _____

TOOL SAMPLE: 100% WTR

Time Set Packer(s) 8:45 P.M. ^{A.M.} P.M. Time Started Off Bottom 11:45 P.M. ^{A.M.} P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 1733 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 113 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1024 P.S.I.

Final Flow Period..... Minutes 45 (E) 115 P.S.I. to (F) 203 P.S.I.

Final Closed In Period..... Minutes 60 (G) 951 P.S.I.

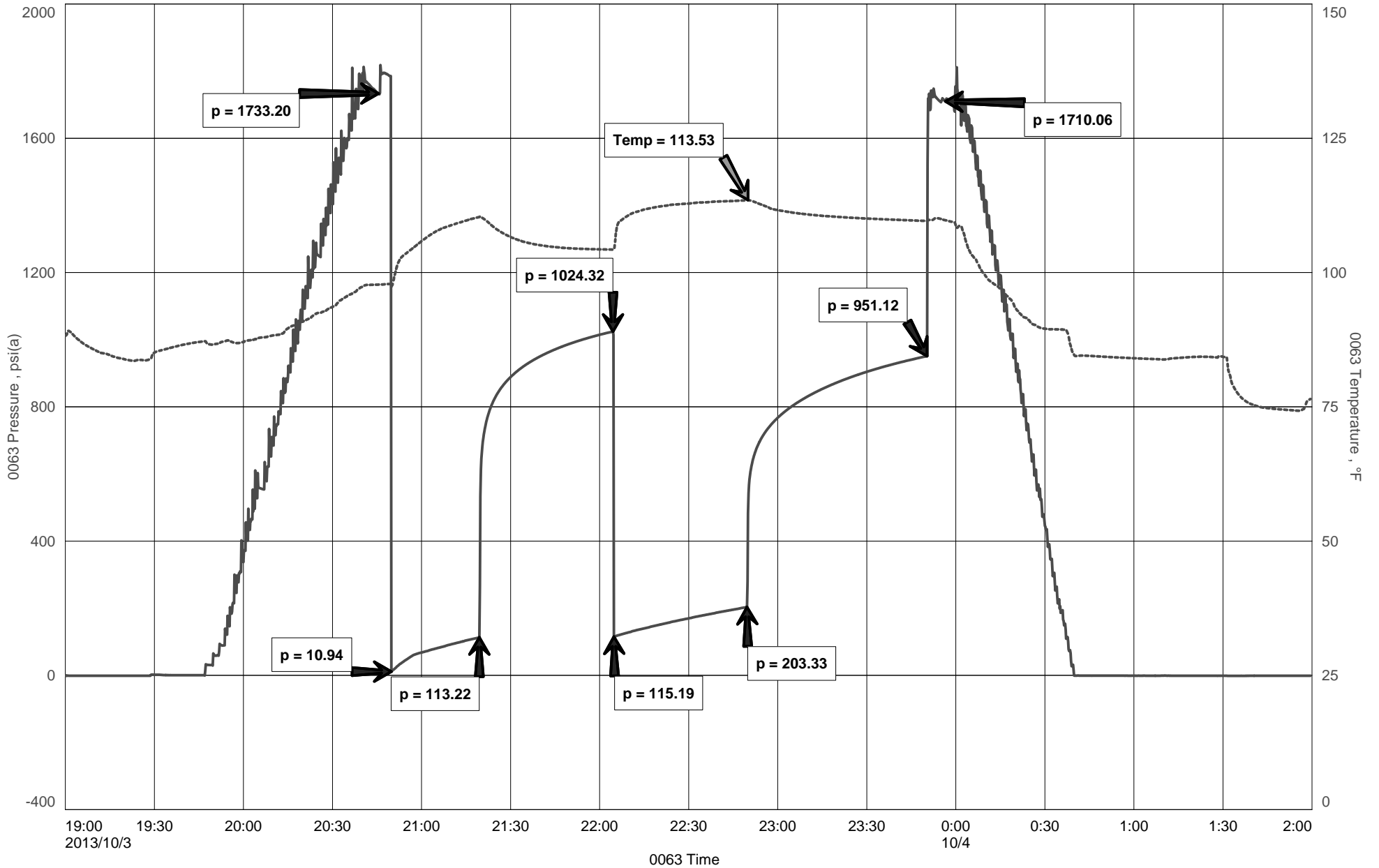
Final Hydrostatic Pressure..... (H) 1711 P.S.I.

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.

L.D. DRILLING, INC.
DST#5 3563-3577 ARBUCKLE
Start Test Date: 2013/10/03
Final Test Date: 2013/10/04

HISS #1-23
Formation: DST#5 3563-3577 ARBUCKLE
Pool: WILDCAT
Job Number: M558

HISS #1-23



KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>L. D. DRILLING, INC.</u>	ELEVATIONS
LEASE <u># 1-23 Hiss</u>	KB <u>1900</u>
FIELD <u>LIBERTY</u>	DF _____
LOCATION <u>350' FWL & 1037' FSL</u>	GL <u>1895</u>
SEC <u>23</u> TWSP <u>20s</u> RGE <u>14w</u>	Measurements Are All
COUNTY <u>BARTON</u> STATE <u>KANSAS</u>	From <u>1900 KB</u>
CONTRACTOR <u>PETROMARK DRILLING RIG 2</u>	CASING
SPUD <u>9-27-13</u> COMP <u>10-4-13</u>	SURFACE <u>8 5/8" @ 807'</u>
RTD <u>3659</u> LTD <u>3660</u>	PRODUCTION <u>5 1/2" @</u>
MUD UP <u>2841</u> TYPE MUD <u>CHEMICAL</u>	ELECTRICAL SURVEYS
	DUAL IND., DENS-W-
	MICRO

SAMPLES SAVED FROM 3000 TO 3659

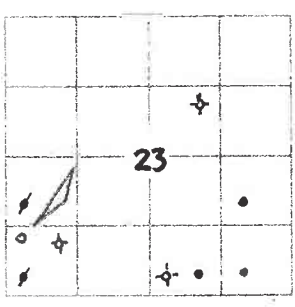
DRILLING TIME KEPT FROM 2700 TO 3659

SAMPLES EXAMINED FROM 3000 TO 3659

GEOLOGICAL SUPERVISION FROM 3100 TO 3659

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	807+1093	806+1094
TOPEKA	2816-916	2818-918
HEEBNER	3161-1261	3163-1263
BROWN LIME	3265-1365	3266-1366
LANSING	3275-1375	3278-1378
B/KC	3486-1586	3487-1587
ARBUCKLE	3544-1644	3546-1646



REMARKS

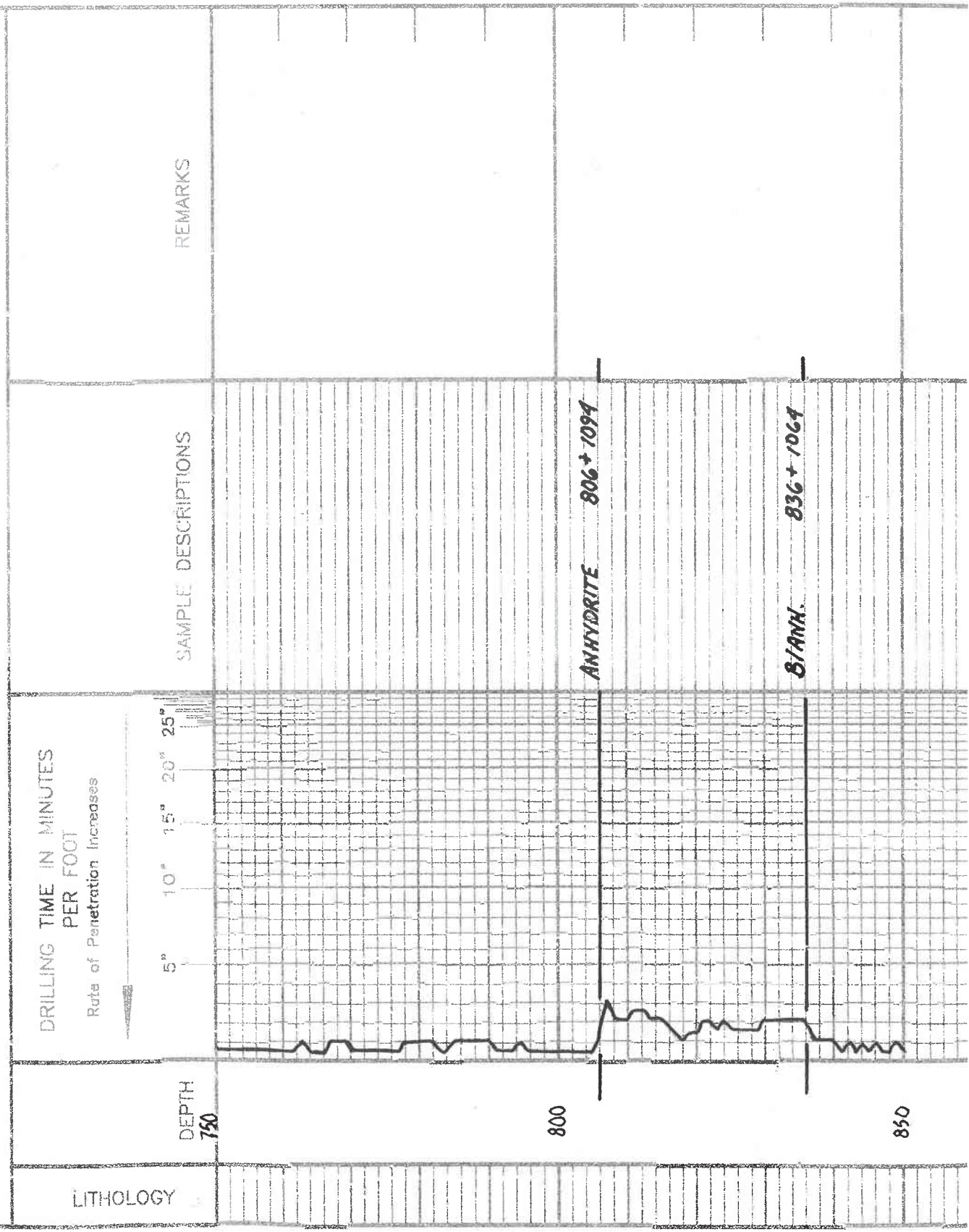
API: 15-009-25884

9-27-13 SPUD
 9-28 @ 812'
 9-29 @ 1665'
 9-30 @ 2475'
 10-1 @ 3350'
 10-2 @ 3465'
 10-3 @ 3565'
 10-4 @ 3659'

LEGEND

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

SHOE01-06



2700

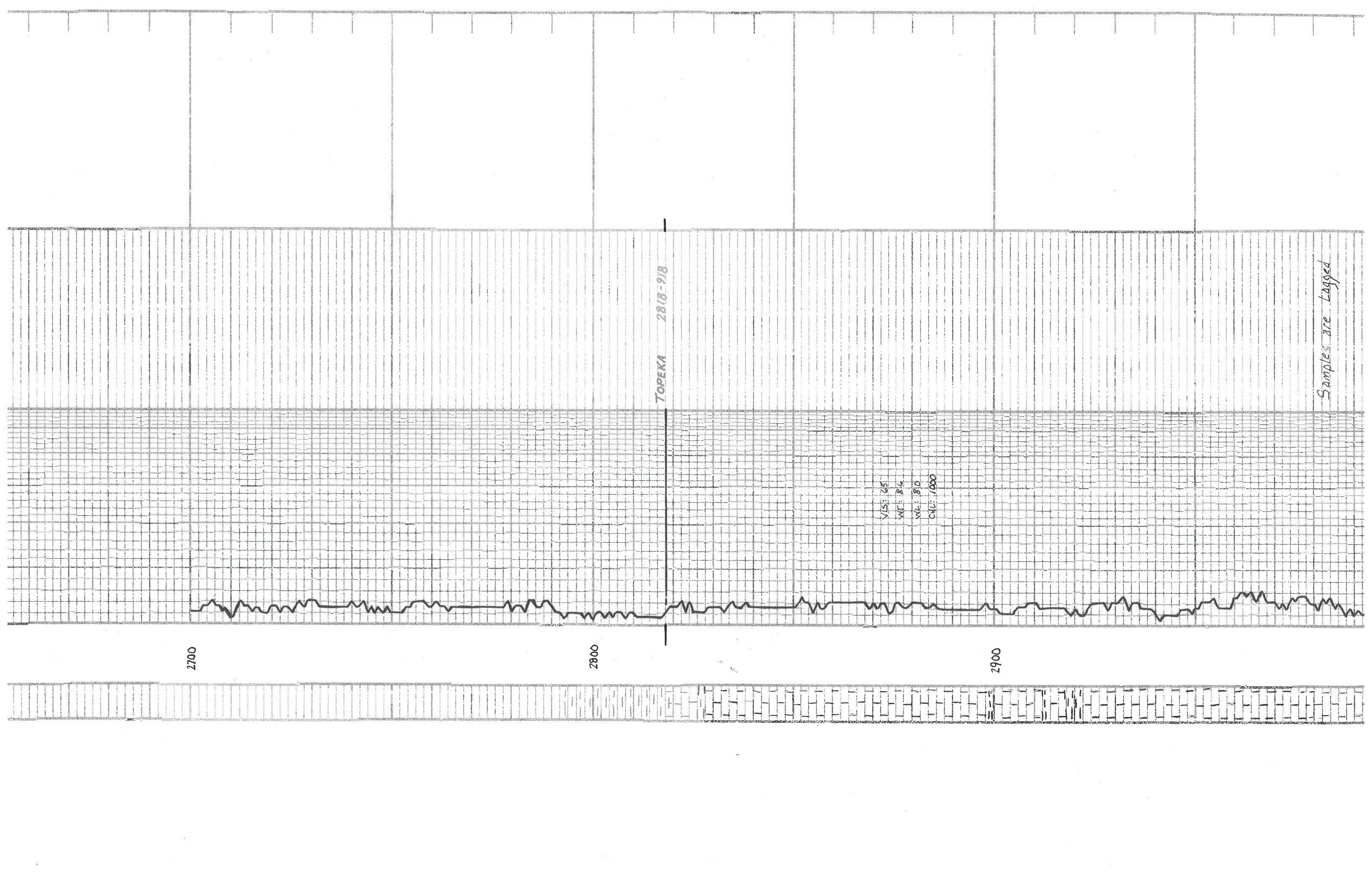
2800

2900

TOPEKA 2818-918

VISE: 65
WPC: 84
WL: 810
CNC: 1000

Samples are logged



3000

3100

3200

3300

Sh. dk. gray blk

Sh. lg. ls. silty

ls. m. vsi. foss. sil. A

sh. gray

ls. m. sil. foss. sil. cherty

ls. wt. lg. foss. sil. cherty

sh. gray

ls. wt. med. sil. sil. cherty

sh. gray

ls. wt. sil. cherty

ls. wt. lg. sil. med. calc. cherty

ls. m. lg. med.

ls. lg. med. vsi. cherty

HEBNER 3163-1263
sh. blk. carb.

sh. lg. ls.

ls. wt. sil. foss. sil. A. Fe. Mg. P.
S. calc. dk. blk. sh. vsi. fo.

ls. wt. sil. foss. sil. A. vsi. calcy.

sh. gray to silty

sh. lg. ls. silty

sh. lg. ls. silty

sh. lg. sil. silty

BROWN LIME 3266-1366

ls. m. lg. vsi. foss.

sh. gray

LANSING 3278-1378

ls. m. lg. vsi. foss.

ls. wt. m. sil. foss. P. Mg. P. Fe.
Bl. Spill sh. vsi. ss. fo. Fe. calc. flint.

sh. gray

ls. m. sil. foss. P. Mg. P. Fe.
Bl. Spill sh. vsi. ss. fo. Fe. calc. flint.

sh. gray

ls. wt. lg. vsi. A. P. Mg. P. Fe.
S. calc. dk. blk. sh. vsi. ss. fo. Fe. calc. flint.

sh. gray

ls. wt. lg. vsi. A. P. Mg. P. Fe.
S. calc. dk. blk. sh. vsi. ss. fo. Fe. calc. flint.

TORONTO

DOUGLAS

DST (1)

DST (1) 3283-3355

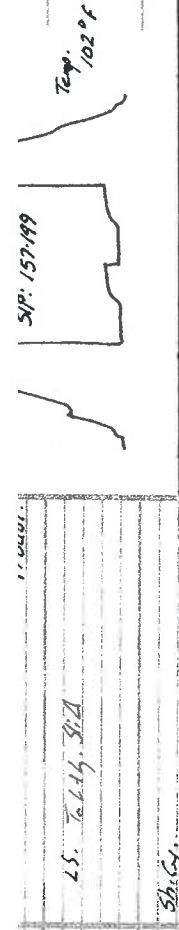
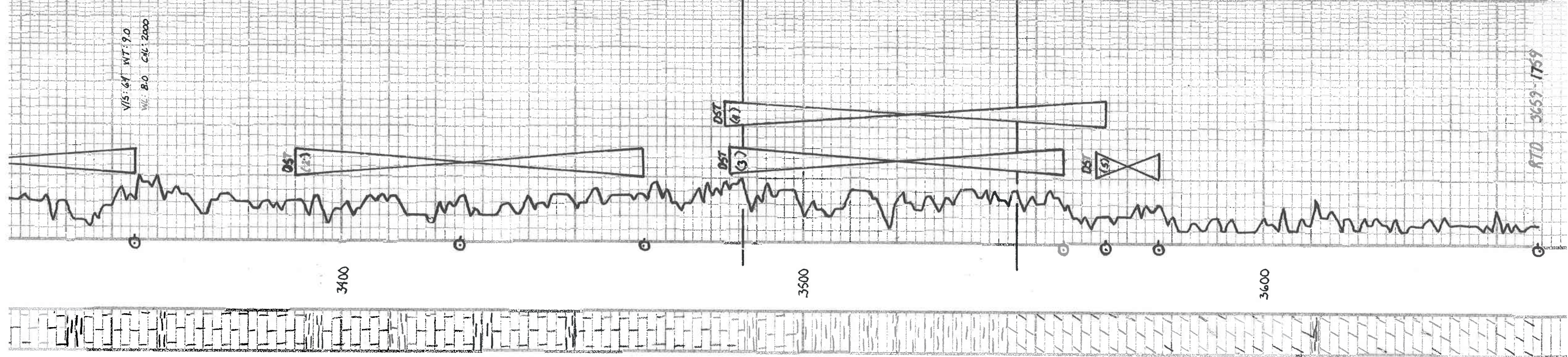
1' stop: Blow count to 2 1/2"
2' stop: " " " " "

30.30.30.30

Rec. 60' USGM (1:50,000) w/ Seism. Bit

FP-9-SI-30-46

FP-9-SI-30-46



SIP: 157.99

LS. Talc. sil. sh. slt. chlg. V. sh.

Sh. cng.

LS. Wt. dol. Foss. V. sh. chlg. F. v. sh. V. sh. sh. slt. chlg. V. sh. V. sh. sh. slt. chlg. V. sh. F. v. sh. V. sh. sh. slt. chlg. V. sh. F. v. sh. V. sh. sh. slt. chlg. V. sh.

LS. Wt. 41.5° Dip.

LS. Wt. chlg. F.

LS. Talc. sil. sh. slt. chlg. V. sh.

sh. cng.

LS. Wt. 41.5° Dip.

DST (2) 3390-3465
 15' Open: Bottom bucket 1 min. 88.5"
 2' Open: " " " 67.5"
 30.45 45.60

Rec. 239' VHS 6CH (14/6.91/01.92/14)
 30G W/80 (5/10.10/6.14/14)
 TE: 515'
 CK: 10.000
 FP: 35.08
 SIP: 985.978
 Temp 109.0F

DST (3) 3184-3556
 15' Open: Blow built to 3/4"
 2' Open: " " 1/4"
 30.30 30.30
 Rec. 20' 50CH (4/01/01/14)
 30.30 30.30
 15' Open: Blow built to 1"
 2' Open: " " 1/4"
 FP: 10.17
 18.22"
 SIP: 292-919"
 Temp 105.9F

DST (1) 3183-3565
 15' Open: Blow built to 1"
 2' Open: " " 1/4"
 30.30 30.30
 Rec. 40' 50CH (6/6.4/01/20/14)
 30.30 30.30
 15' Open: Blow built to 1"
 2' Open: " " 1/4"
 FP: 13.24
 25.34"
 SIP: 426-374"
 Temp 102.9F

DST (4) 3563-3572
 15' Open: Bottom Bucket 17 min. 88.4 sec
 2' Open: " " 33 "
 30.45 45.60
 Rec. 442' SGW (11.6.5/14.94/14)
 30.45 45.60
 15' Open: Bottom Bucket 17 min. 88.4 sec
 2' Open: " " 33 "
 FP: 11.113.115.205
 SIP: 1029.951"
 Temp 119.0F

LS. Talc. sil. sh. slt. chlg. V. sh.

Sh. cng.

LS. Wt. dol. Foss. V. sh. chlg. F. v. sh. V. sh. sh. slt. chlg. V. sh. F. v. sh. V. sh. sh. slt. chlg. V. sh.

LS. Wt. 41.5° Dip.

LS. Wt. chlg. F.

LS. Talc. sil. sh. slt. chlg. V. sh.

sh. cng.

LS. Wt. 41.5° Dip.

LS. Wt. chlg. F.

LS. Talc. sil. sh. slt. chlg. V. sh.

sh. cng.

LS. Wt. 41.5° Dip.

LS. Wt. chlg. F.

LS. Talc. sil. sh. slt. chlg. V. sh.

sh. cng.

LS. Wt. 41.5° Dip.

LS. Wt. chlg. F.

LS. Talc. sil. sh. slt. chlg. V. sh.

sh. cng.

LS. Wt. 41.5° Dip.

LS. Wt. chlg. F.

RTD 3659-1759

