KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1098136

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

08/30/2012	09/05/2012	09/05/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25732-00-00
Spot Description:
_ - SE - NE - NE Sec. 32 Twp. 18 S. R. 14 [ ] East [x] West
990 Feet from [x] North / [ ] South Line of Section
330 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Barton
Lease Name: HABERMAN Well #: 3-32
Field Name: ERNA SOUTHEAST
Producing Formation: NA
Elevation: Ground: 1905 Kelly Bushing: 1912
Total Depth: 3543 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 891 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

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

Chloride content: 6000 ppm Fluid volume: 240 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: L. D. DRILLING, INC.
Lease Name: DON License #: 6039
Quarter NE Sec. 12 Twp. 18 S. R. 14 [ ] East [x] West
County: BARTON Permit #: D28411

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**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 10/25/2012

Side Two

1098136

Operator Name: L. D. Drilling, Inc. Lease Name: HABERMAN Well #: 3-32

Sec. 32 Twp. 18 S. R. 14 ☐ East ☑ West County: Barton

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

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

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

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

List All E. Logs Run:

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

Name	Top	Datum
ANHDRITE	883	+1029
TOPEKA	2909	-997
HEEBNER	3151	-1239
BROWN LIME	3234	-1322
LANSING	3241	-1329
BASE KANSAS CITY	3452	-1540
ARBUCKLE	3526	-1614

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	891	A-CONN	175	3%CC, 1/4#FLO-SEAL
SURFACE CONT	12.25	8.625	24	891	COMMON	175	2%C, 1/4#FLO-SEAL

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

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

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

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

PRODUCTION INTERVAL:

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

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 06793 A

DATE TICKET NO.

DATE OF JOB 08-31-12 DISTRICT PRATT KS	NEW WELL ☐ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.D. Drilling	LEASE HABERMAN 3-32 WELL NO.
ADDRESS	COUNTY BARTON STATE KS
CITY STATE	SERVICE CREW S. Hall, Wright, Lockwood
AUTHORIZED BY	JOB TYPE: CNW 8 5/8 Surface

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
33708 - 20970	40				
19886 - 19860	40				
37900					

	DATE	AM PM	TIME
TRUCK CALLED	8-31-12	AM PM	630
ARRIVED AT JOB	8-31-12	AM PM	845
START OPERATION		AM PM	1105
FINISH OPERATION		AM PM	1145
RELEASED		AM PM	1230
MILES FROM STATION TO WELL			65

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 Mahle
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 101	A-Con Blend cmt	SK	175		2,150 00
CP 103	Common cmt	SK	175		2,800 00
CC 102	Gel/Hulls	lb	855		325 60
CC 109	Calcium Chloride	lb	825		806 25
CE 105	Top Rubber Plug 8 5/8	EA	1		225 00
E 100	Pickup mi	mi	45		276 25
E 101	Heavy Eqpt mi	mi	130		910 00
E 113	Bulk Del	TM	1023		1,716 00
CE 201	Depth Charge	EA	1		1,200 00
CE 240	Blending & mixing	SK	350		490 00
CE 504	Plug Container & Pedal	EA	1		250 00
S 003	Service Supervisor	EA	1		175 00

SUB TOTAL DLS 9,188 08

CHEMICAL / ACID DATA:			

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

Thank you

SERVICE REPRESENTATIVE Robert Hall

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

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: J.O. Drilling	Lease No.	Date: 08-31-12	
Lease: HARSHMAN	Well #: 3-32		
Field Order #: 6793	Station: PRATT KS	Casing: 8 5/8	Depth: 391'
County: BARTON	State: KS		
Type Job: CNW 8 5/8 Surface	Formation	Legal Description: 32-18-14	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 391'	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 55	Volume	From	To	Pad	Min		10 Min.
Max Press: 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: N.C	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: TD	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative			Station Manager: DAVE SCOTT			Treater: Robert Sullivan					
Service Units	37904	33708	20970	19826	17860						
Driver Names	Sullivan	WRIGHT	LAWRENCE	MACTAVISH	SCOTT						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:45					ON LOC SAFTY MEETING
					RUN 21 JTS 8 5/8 # 23 CSG
1045					CASING ON BOTTOM
1055					HOOK UP TO CIRC
1105	200		5	4.5	H2O SPACER
			77	4.5	MIX CMT A-CON 3% CC 1/4 CF @ 13.2#
			37	5	MIX TAIL CMT 175 SX COMM 2% CC 1/4 CF
					CMT MIXED SHUT DOWN
					RELEASE PLUG
				5.5	H2O DISP
1145	400		55	4	PLUG DOWN
					CIRC 20 BBL CMT TO PIT
					JOB COMPLETE
					THANK YOU

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 06566 A

DATE TICKET NO.

DATE OF JOB 9-5-12 DISTRICT Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.D. Drilling Inc	LEASE Haberman 3-32 WELL NO.
ADDRESS	COUNTY Barton STATE Ks
CITY STATE	SERVICE CREW Allen, Mike
AUTHORIZED BY	JOB TYPE: P+A CNW

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
28443 P.U.	2½				
19903-19905	3½				
19960-21010	2½				

	DATE	AM/PM	TIME
TRUCK CALLED	9-5-12	AM	400
ARRIVED AT JOB	9-5-12	AM	700
START OPERATION	9-5-12	AM	730
FINISH OPERATION	9-5-12	AM	1000
RELEASED	9-5-12	AM	1100
MILES FROM STATION TO WELL	65 miles		

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP103	60/40 Poz	SK	185		2220 00
CC102	Cell Flake	lb	47		173 90
CC200	Cement Gel	lb	320		80 00
CF153	Wooden cement Plug 8-5/8	EA	1		160 00
E100	Unit mileage chg P.U.	mi	65		276 25
E101	Heavy Equip mileage	mi	130		910 00
E113	Bulk Del chg	TM	320		832 00
E204	Depth chg 3801-4000	Stg	1		2160 00
CE240	Blending & mix service chg	SK	185		259 00
S003	Service Supervisor first Stg	EA	1		175 00

SUB TOTAL $5,434 61

DLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen Howard

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

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
L.D. Drilling, LLC		9-5-12
Lease: Haberman 3-32	Well #: 3-32	

Field Order #	Station	Casing	Depth	County	State
Pratt KS	Pratt KS			Barton	KS

Type Job	Formation	Legal Description
P+A SNW	TD 3543'	32-18-14

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size 4½ DP	Shots/Ft	185	Acid 5/8 60/40 Poz @ 13.8#	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	Treater
Tim TP.	Scott	Allen

Service Units	20443	19903	19905	19964	21010						
Driver Names	Allen	Mike	Matt	Steve	Young						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
700	0#				on loc. Discuss Safety, Setup Plan JSA
					Rig Running Plug Stands
					1st Plug 3506' 25sks 60/40 Poz 14#
740			15	4	Pump 15 BBL H20
			6	4	mix + Pump 25sks 60/40 Poz
			3	3	Pump 3 BBL H20
					Disp w/ 40 BBL mud.
800					Pull Drill Pipe
855					2nd Plug 940' - 40sks 60/40 Poz 14#
			10	4	Pump 10 BBL H20
			10	4	mix + Pump 40sks 60/40 Poz @ 14#
			3	3	Pump 3 BBL H20
905					Disp 5BBL mud. - Pull D.P.
930					3rd Plug 360' - 80sks 60/40 Poz 14#
			3	4	Pump 3 BBL H20
			20	4	mix + Pump 80sks 60/40 @ 14#
			1	2	Pump 1 BBL H20
950					4th Plug 40' To surface w/ wooden Pl
			2½		mix 10sks 60/40 Poz 14#
955			7½		5th Plug Plug R.H. w/ 30sks 60/40
					Washup + Rack up Equip.
1100					Job complete thanks Allen mike

Taylor Printing, Inc. 620-672-3656

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

DRILL-STEM TEST TICKET
FILE: haberman3-32DST1

TIME ON: 04:17:00
TIME OFF: 08:49:00

Company LD Drilling Inc — Lease & Well No. Haberman #3-32
Contractor Petromark Rig #2 — Charge to LD Drilling Inc
Elevation 1912 KB — Formation Lansing "A-D" — Effective Pay -- Ft. — Ticket No. S0206
Date 9-3-12 — Sec. 32 — Twp. 18 S — Range 14 W — County Barton — State KANSAS
Test Approved By Kim Shoemaker — Diamond Representative Jacob McCallie

Formation Test No. 1 — Interval Tested from 3246 ft. to 3275 ft. — Total Depth 3275 ft.
Packer Depth 3241 ft. — Size 6 3/4 in. — Packer depth ____ ft. — Size 6 3/4 in.
Packer Depth 3246 ft. — Size 6 3/4 in. — Packer depth ____ ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3231 ft. — Recorder Number 30035 — Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3272 ft. — Recorder Number 3851 — Cap. 5,700 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type Chem — Viscosity 57 — Drill Collar Length 118 ft. — I.D. 2 1/4 in.
Weight 8.6 — Water Loss 8.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 1,000 P.P.M. — Drill Pipe Length 3099 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number Safety Joints — Test Tool Length 29 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 29 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: WSB- Died in 19 min — NOBB
2nd Open: No Blow- No Build — NOBB

Recovered 10 ft. of SOS Mud — 100% MUD
Recovered 10 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: ____

TOOL SAMPLE: 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

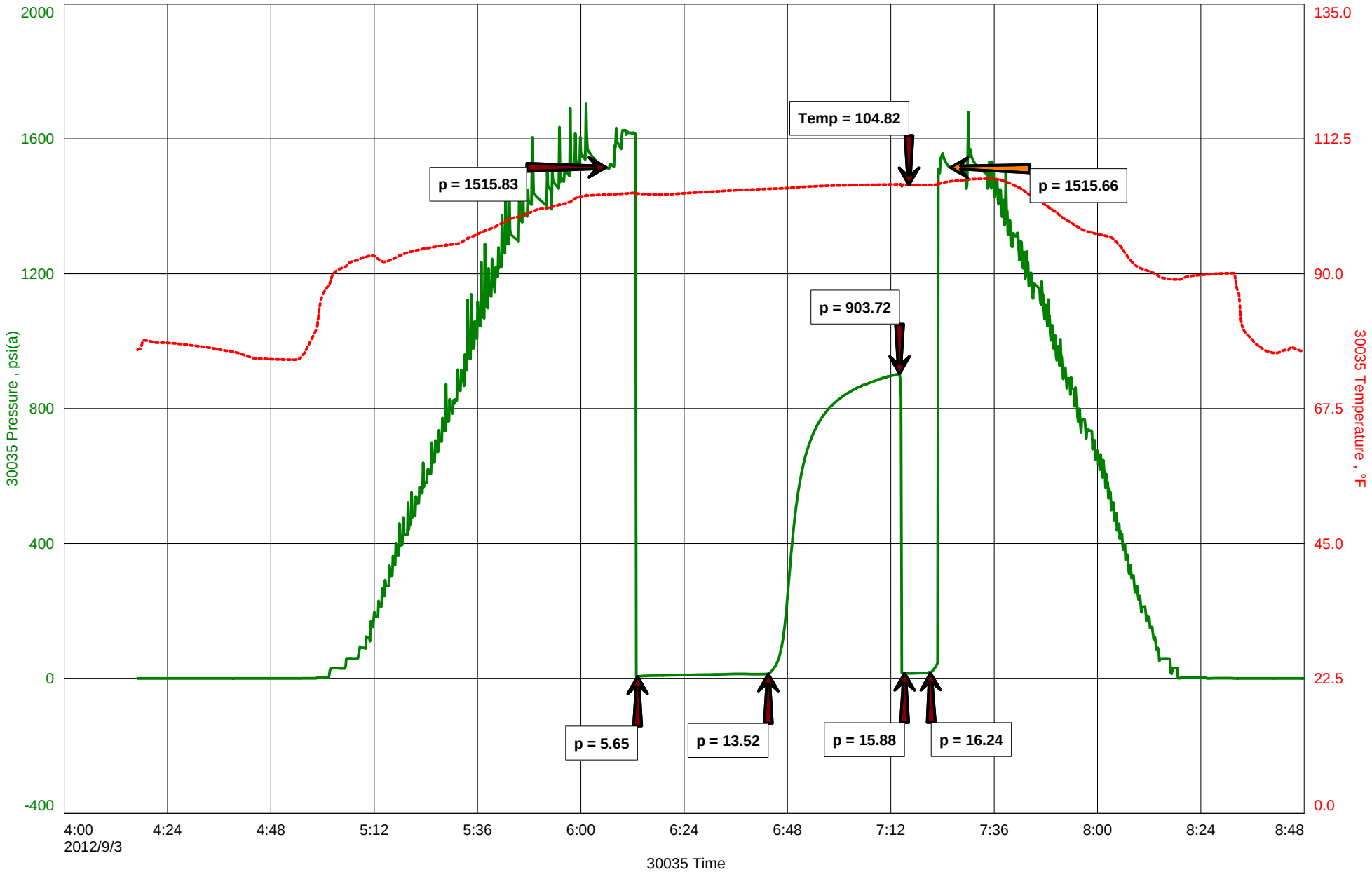
Time Set Packer(s) 6:18 AM A.M. P.M. — Time Started Off Bottom 7:23 AM A.M. P.M. — Maximum Temperature 105

Initial Hydrostatic Pressure ..... (A) 1516 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 904 P.S.I.
Final Flow Period ..... Minutes 5 (E) 16 P.S.I. to (F) 16 P.S.I.
Final Closed In Period ..... Minutes 0 (G) ____ P.S.I.
Final Hydrostatic Pressure ..... (H) 1516 P.S.I.

LD Drilling Inc
DST #1 Lansing "A-D" 3246-3275'
Start Test Date: 2012/09/03
Final Test Date: 2012/09/03

Haberman #3-32
Formation: DST #1 Lansing "A-D" 3246-3275'
Pool: Infield
Job Number: S0206

Haberman #3-32



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Haberman #3-32	**Job Number**	S0206
Unique Well ID	DST #1 Lansing "A-D" 3246-3275'	**Representative**	Jacob McCallie
Surface Location	SEC 32-18S-14W Barton County	**Well Operator**	LD Drilling Inc
Well License Number		**Report Date**	2012/09/03
Field	Erna Southeast	**Prepared By**	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Lansing "A-D" 3246-3275'		
Well Fluid Type	01 Oil	**Start Test Time**	04:17:00
		Final Test Time	08:49:00
Start Test Date	2012/09/03		
Final Test Date	2012/09/03		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

10'	SOS MUD	100% MUD
10'	TOTAL FLUID	

TOOL SAMPLE:

100% MUD

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

DRILL-STEM TEST TICKET
FILE: haberman3-32DST2

TIME ON: 14:06:00
TIME OFF: 18:05:00

Company LD Drilling Inc — Lease & Well No. Haberman #3-32
Contractor Petromark Rig #2 — Charge to LD Drilling Inc
Elevation 1912 KB — Formation L/KC "E-F" — Effective Pay -- Ft. — Ticket No. S0207
Date 9-3-12 — Sec. 32 — Twp. 18 S — Range 14 W — County Barton — State KANSAS
Test Approved By Kim Shoemaker — Diamond Representative Jacob McCallie

Formation Test No. 2 — Interval Tested from 3277 ft. to 3295 ft. — Total Depth 3295 ft.
Packer Depth 3272 ft. — Size 6 3/4 in. — Packer depth ____ ft. — Size 6 3/4 in.
Packer Depth 3277 ft. — Size 6 3/4 in. — Packer depth ____ ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3262 ft. — Recorder Number 30035 — Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3292 ft. — Recorder Number 3851 — Cap. 5,700 P.S.I.
Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____ P.S.I.

Mud Type Chem — Viscosity 64 — Drill Collar Length 118 ft. — I.D. 2 1/4 in.
Weight 9 — Water Loss 10.4 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 5,000 P.P.M. — Drill Pipe Length 3130 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number Safety Joints — Test Tool Length 29 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 18 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: WSB- Died in 1 min — NOBB
2nd Open: No Blow- No Build — NOBB

Recovered 10 ft. of SOS MUD — 100% MUD
Recovered 10 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____

Remarks: Flushed tool on second open.

TOOL SAMPLE: 1% OIL 99% MUD

Price Job	
Other Charges	
Insurance	
Total	

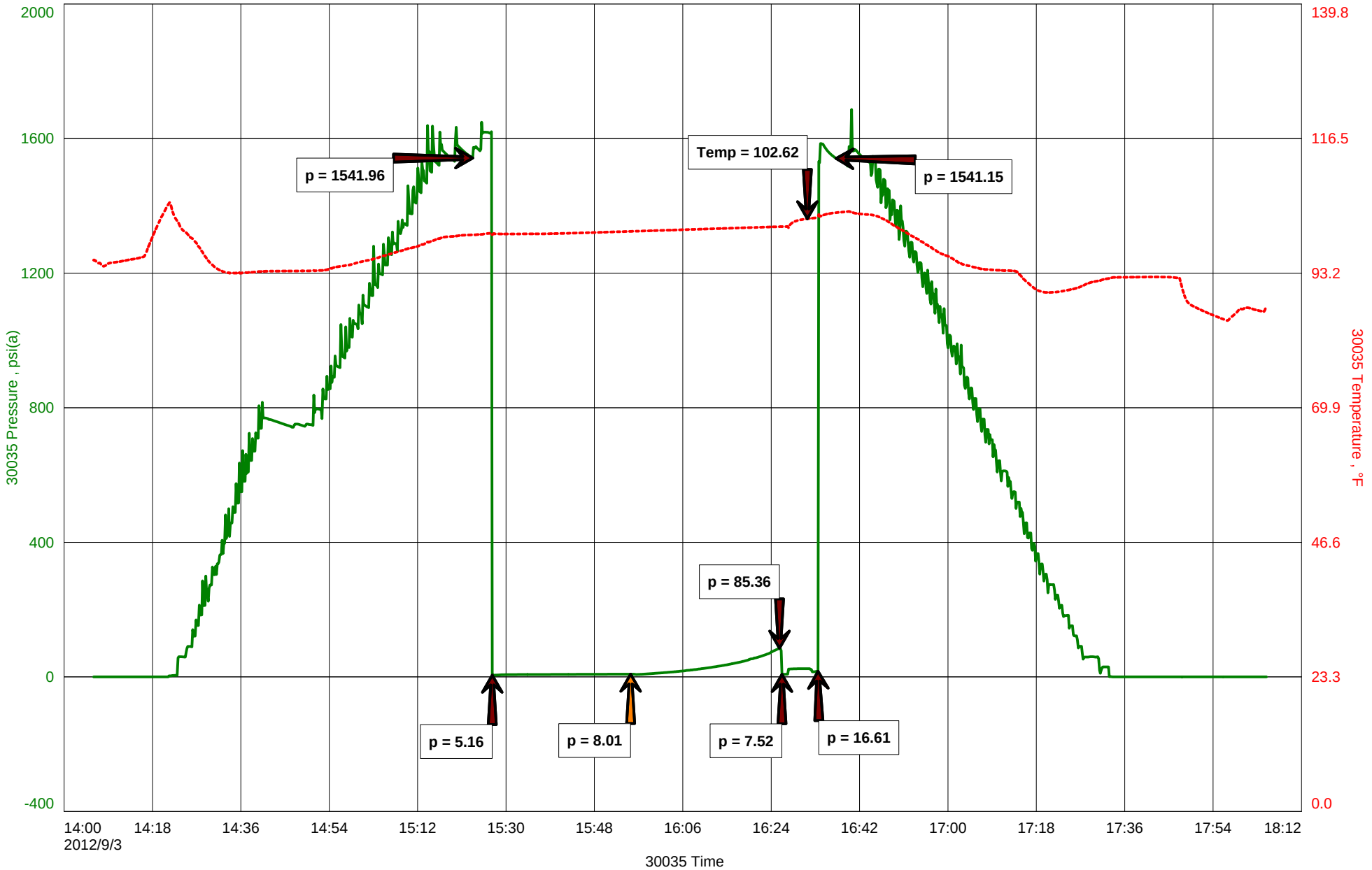
Time Set Packer(s) 3:27 PM A.M. P.M. — Time Started Off Bottom 4:32 PM A.M. P.M. — Maximum Temperature 103

Initial Hydrostatic Pressure ..... (A) 1542 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 5 P.S.I. to (C) 8 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 85 P.S.I.
Final Flow Period ..... Minutes 5 (E) 8 P.S.I. to (F) 17 P.S.I.
Final Closed In Period ..... Minutes 0 (G) -- P.S.I.
Final Hydrostatic Pressure ..... (H) 1541 P.S.I.

LD Drilling Inc
DST #2 L/KC "E-F" 3277-3295'
Start Test Date: 2012/09/03
Final Test Date: 2012/09/03

Haberman #3-32
Formation: DST #2 L/KC "E-F" 3277-3295'
Pool: Infield
Job Number: S0207

Haberman #3-32



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Haberman #3-32	**Job Number**	S0207
Unique Well ID	DST #2 L/KC "E-F" 3277-3295'	**Representative**	Jacob McCallie
Surface Location	SEC 32-18S-14W Barton County	**Well Operator**	LD Drilling Inc
Well License Number		**Report Date**	2012/09/03
Field	Erna Southeast	**Prepared By**	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 L/KC "E-F" 3277-3295'		
Well Fluid Type	01 Oil	**Start Test Time**	14:06:00
		Final Test Time	18:05:00
Start Test Date	2012/09/03		
Final Test Date	2012/09/03		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

10'	SOS MUD	100% MUD
10'	TOTAL FLUID	

Flushed tool on second open

TOOL SAMPLE:

1% OIL 99% MUD

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

DRILL-STEM TEST TICKET
FILE: haberman3-32DST3

TIME ON: 02:15:00
TIME OFF: 09:17:00

Company LD Drilling Inc — Lease & Well No. Haberman #3-32
Contractor Petromark Rig #2 — Charge to LD Drilling Inc
Elevation 1912 KB — Formation L/KC "H" — Effective Pay -- Ft. — Ticket No. S0208
Date 9-4-12 — Sec. 32 — Twp. 18 S — Range 14 W — County Barton — State KANSAS
Test Approved By Kim Shoemaker — Diamond Representative Jacob McCallie

Formation Test No. 3 — Interval Tested from 3372 ft. to 3400 ft. — Total Depth 3400 ft.
Packer Depth 3367 ft. — Size 6 3/4 in. — Packer depth ft. — Size 6 3/4 in.
Packer Depth 3372 ft. — Size 6 3/4 in. — Packer depth ft. — Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3357 ft. — Recorder Number 30035 — Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3397 ft. — Recorder Number 3851 — Cap. 5,700 P.S.I.
Below Straddle Recorder Depth ft. — Recorder Number — Cap. P.S.I.

Mud Type Chem — Viscosity 64 — Drill Collar Length 118 ft. — I.D. 2 1/4 in.
Weight 9 — Water Loss 10.4 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 5,000 P.P.M. — Drill Pipe Length 3225 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number Safety Joints — Test Tool Length 29 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 28 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: WSB- Built to 2 1/4" in 30 min — NOBB
2nd Open: No Blow- Built to 1" in 45 min — NOBB

Recovered 90 ft. of SOS Muddy WTR — 80% WTR 20% MUD
Recovered 90 ft. of TOTAL FLUID
Recovered ft. of
Recovered ft. of Ph: 8
Recovered ft. of RW: .21 @ 67 degrees F
Recovered ft. of Chlorides: 35,000 ppm
Remarks:

TOOL SAMPLE: 1% OIL 76% WTR 23% MUD

Price Job	
Other Charges	
Insurance	
Total	

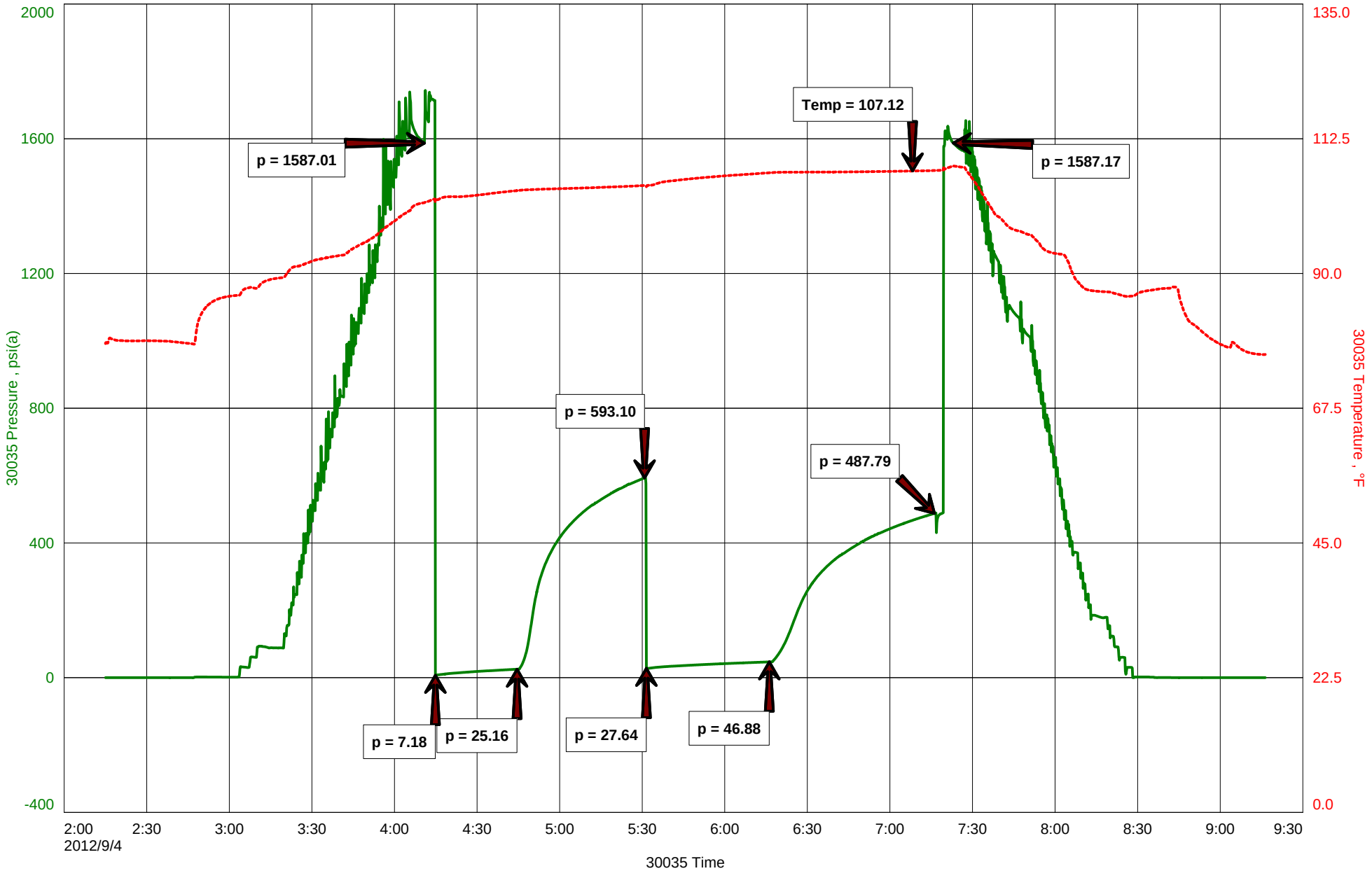
Time Set Packer(s) 4:15 AM A.M. P.M. — Time Started Off Bottom 7:15 AM A.M. P.M. — Maximum Temperature 107

Initial Hydrostatic Pressure ..... (A) 1587 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 7 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 593 P.S.I.
Final Flow Period ..... Minutes 45 (E) 28 P.S.I. to (F) 47 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 488 P.S.I.
Final Hydrostatic Pressure ..... (H) 1587 P.S.I.

LD Drilling Inc
DST #3 L/KC "H" 3372-3400'
Start Test Date: 2012/09/04
Final Test Date: 2012/09/04

Haberman #3-32
Formation: DST #3 L/KC "H" 3372-3400'
Pool: Wildcat
Job Number: S0208

Haberman #3-32



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Haberman #3-32	**Job Number**	S0208
Unique Well ID	DST #3 L/KC "H" 3372-3400'	**Representative**	Jacob McCallie
Surface Location	SEC 32-18S-14W Barton County	**Well Operator**	LD Drilling Inc
Well License Number		**Report Date**	2012/09/04
Field	Erna Southeast	**Prepared By**	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 L/KC "H" 3372-3400'		
Well Fluid Type	06 Water	**Start Test Time**	02:15:00
		Final Test Time	09:17:00
Start Test Date	2012/09/04		
Final Test Date	2012/09/04		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

90'	SOS Muddy WTR	80% WTR 20% MUD
90'	TOTAL FLUID	

PH: 8
RW: .21 @ 67 degrees F
Chlorides: 35,000 ppm

TOOL SAMPLE:
1% OIL 76% WTR 23% MUD

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

DRILL-STEM TEST TICKET
FILE: haberman3-32DST4

TIME ON: 18:09:00
TIME OFF: 22:10:00

Company LD Drilling Inc — Lease & Well No. Haberman #3-32
Contractor Petromark Rig #2 — Charge to LD Drilling Inc
Elevation 1912 KB — Formation L/KC "I-K" — Effective Pay -- Ft. — Ticket No. S0209
Date 9-4-12 — Sec. 32 — Twp. 18 S — Range 14 W — County Barton — State KANSAS
Test Approved By Kim Shoemaker — Diamond Representative Jacob McCallie

Formation Test No. 4 — Interval Tested from 3397 ft. to 3490 ft. — Total Depth 3490 ft.
Packer Depth 3392 ft. — Size 6 3/4 in. — Packer depth ft. — Size 6 3/4 in.
Packer Depth 3397 ft. — Size 6 3/4 in. — Packer depth ft. — Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3382 ft. — Recorder Number 30035 — Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3397 ft. — Recorder Number 3851 — Cap. 5,700 P.S.I.
Below Straddle Recorder Depth ft. — Recorder Number — Cap. P.S.I.

Mud Type Chem — Viscosity 51 — Drill Collar Length 118 ft. — I.D. 2 1/4 in.
Weight 9.2 — Water Loss 10.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 6,000 P.P.M. — Drill Pipe Length 3250 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number Safety Joints — Test Tool Length 29 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 93 (30p) 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: 1/4" Blow- Died in 12 min NOBB
2nd Open:

Recovered 5 ft. of DM 100% DM
Recovered 5 ft. of TOTAL FLUID
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

TOOL SAMPLE: 100 % DM

Price Job	
Other Charges	
Insurance	
Total	

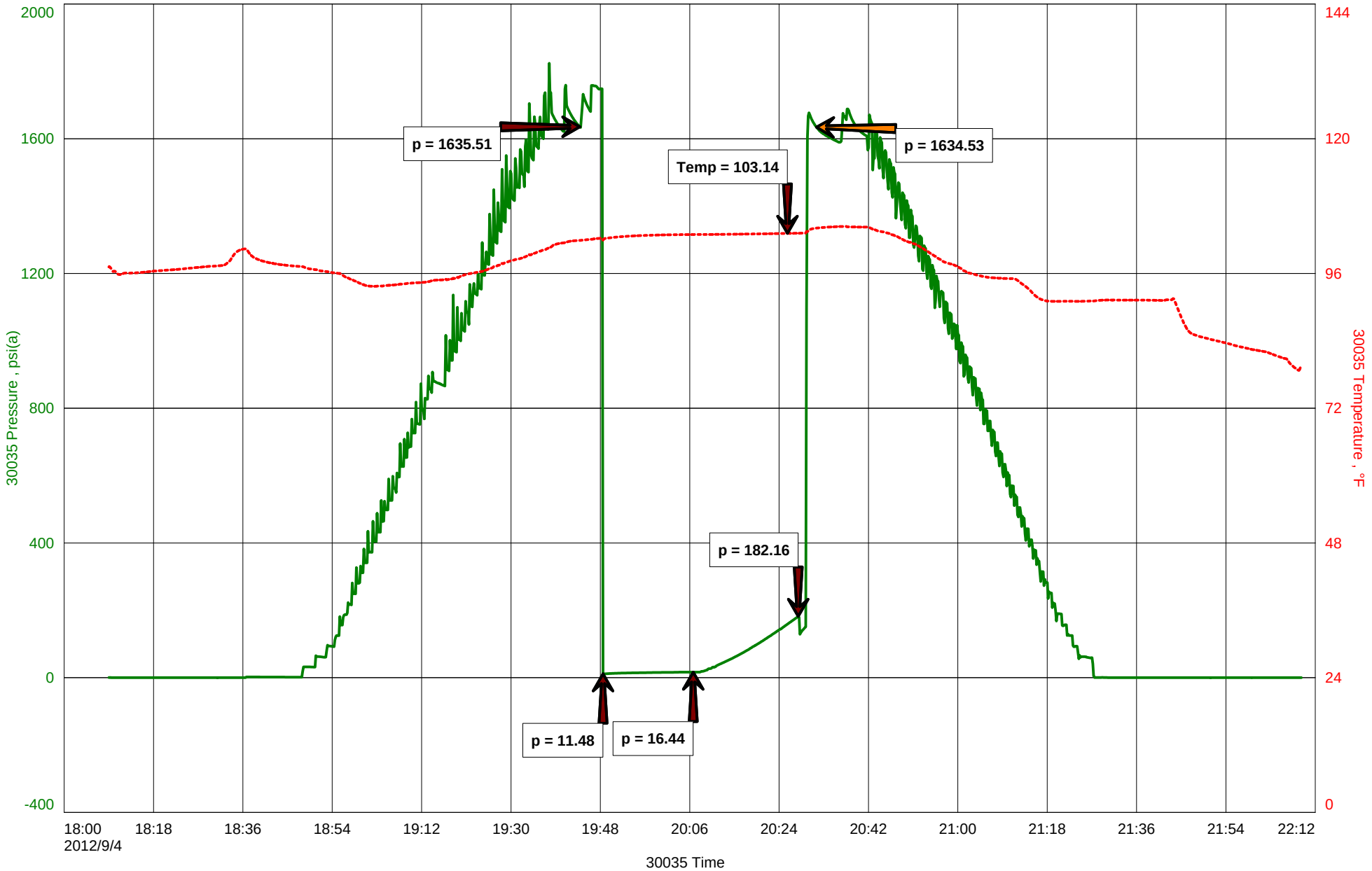
Time Set Packer(s) 7:48 PM A.M. P.M. — Time Started Off Bottom 8:28 PM A.M. P.M. — Maximum Temperature 103

Initial Hydrostatic Pressure ..... (A) 1636 P.S.I.
Initial Flow Period ..... Minutes 20 (B) 11 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period ..... Minutes 20 (D) 182 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) 1635 P.S.I.

LD Drilling Inc
DST #4 L/KC "I-K" 3397-3490'
Start Test Date: 2012/09/04
Final Test Date: 2012/09/04

Haberman #3-32
Formation: DST #4 L/KC "I-K" 3397-3490'
Pool: Infield
Job Number: S0209

Haberman #3-32



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Haberman #3-32	**Job Number**	S0209
Unique Well ID	DST #4 L/KC "I-K" 3397-3490'	**Representative**	Jacob McCallie
Surface Location	SEC 32-18S-14W Barton County	**Well Operator**	LD Drilling Inc
Well License Number		**Report Date**	2012/09/04
Field	Erna Southwest	**Prepared By**	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #4 L/KC "I-K" 3397-3490'		
Well Fluid Type	01 Oil	**Start Test Time**	18:09:00
		Final Test Time	22:10:00
Start Test Date	2012/09/04		
Final Test Date	2012/09/04		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

5'	DM	100% DM
5'	TOTAL FLUID	

TOOL SAMPLE:

100% DM

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 3-32 HABERMAN

FIELD ERNA SOUTHEAST

LOCATION 330' FEL 990' FNL SE NE NE

SEC 32 TWSP 18S RGE 14W

COUNTY STAFFORD STATE KANSAS

CONTRACTOR PETROMARK DRILLING RIG 2

SPUD 8-30-12 COMP 9-5-12

RTD 3543 LTD

MUD UP 2787 TYPE MUD CHEMICAL

ELEVATIONS

KB 1912

DF

GL 1907

Measurements Are All From 1912 KB

CASING

SURFACE 8 5/8" @ 891'

PRODUCTION

ELECTRICAL SURVEYS

None

SAMPLES SAVED FROM 2900 TO 3543

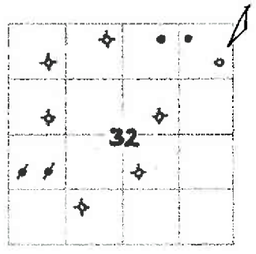
DRILLING TIME KEPT FROM 2800 TO 3543

SAMPLES EXAMINED FROM 2900 TO 3543

GEOLOGICAL SUPERVISION FROM 3100 TO 3543

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOC	SAMPLES
ANHYDRITE		883 + 1029
TOPEKA		2909 - 997
HEEBNER		3151 - 1239
BROWN LIME		3234 - 1322
LANSING		3241 - 1329
B/KC		3452 - 1540
ARBUCKLE		3526 - 1614
RTD		3543 - 1631



API: 15-009-25732

REMARKS

8-30-12 SPUD
8-31 @ 896'
9-1 @ 1748'
9-2 @ 2738'
9-3 @ 3275'
9-4 @ 3400'
9-5 @ 3543'

LEGEND

Dolomite
Chert
Ool. Lime
Limestone
Carbonate
Shale
Sandstone
Salt
Anhydrite

SHOE01-06

REMARKS

SAMPLE DESCRIPTIONS

ANHYDRITE 883 + 1029

B/ANH 900 + 1012

DRILLING TIME IN MINUTES PER FOOT

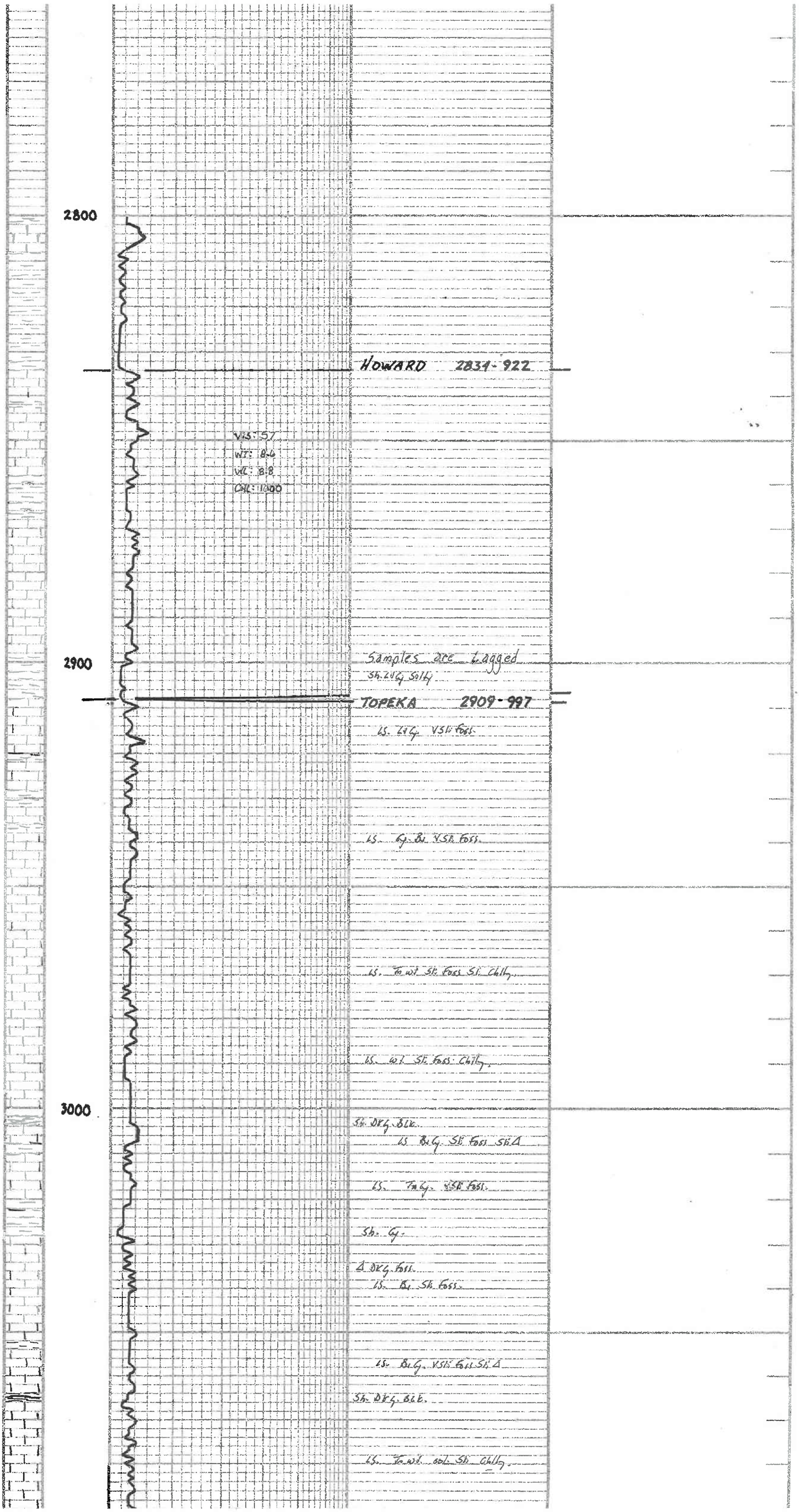
Rate of Penetration Increases

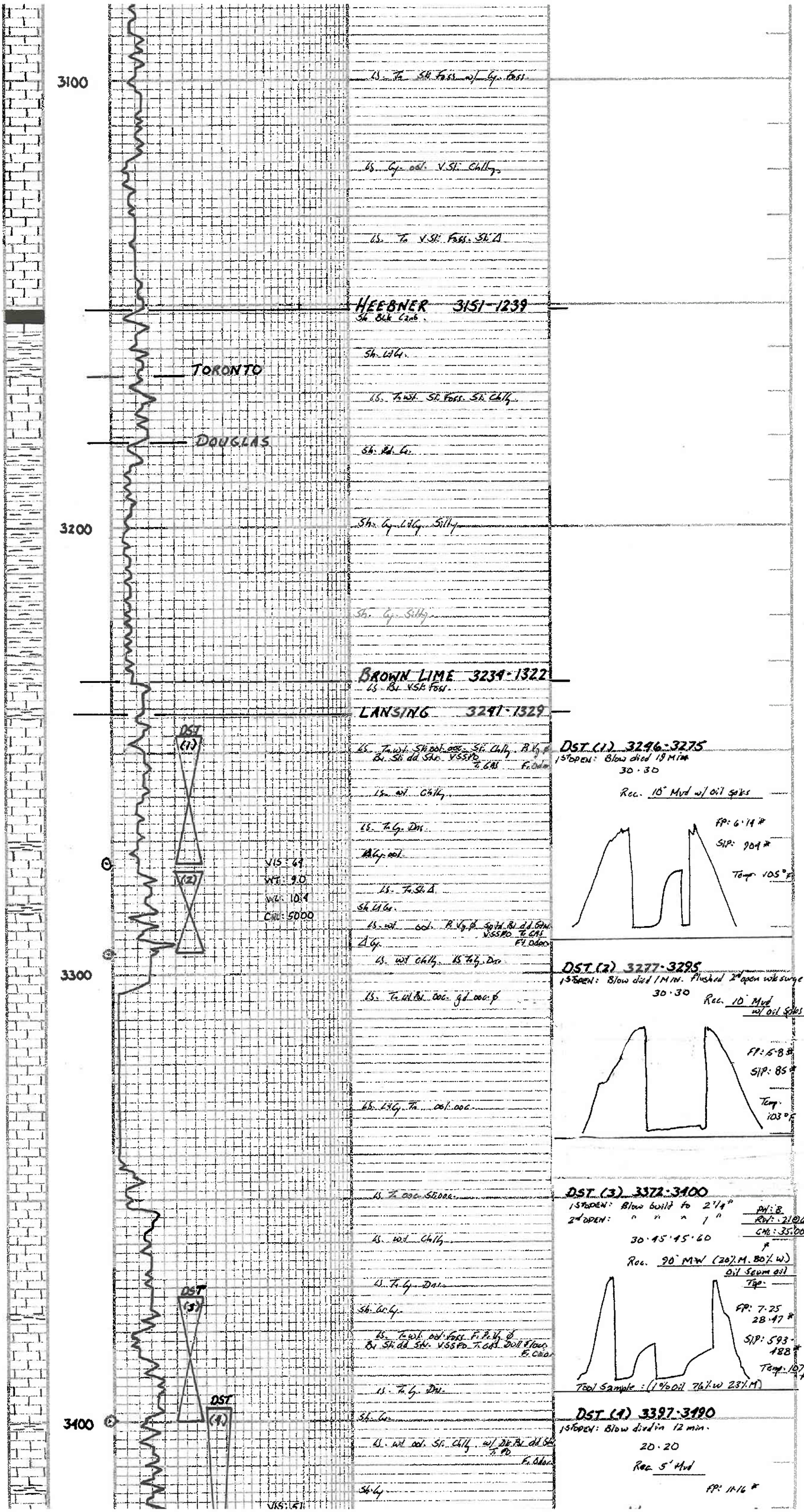
5" 10" 15" 20" 25"

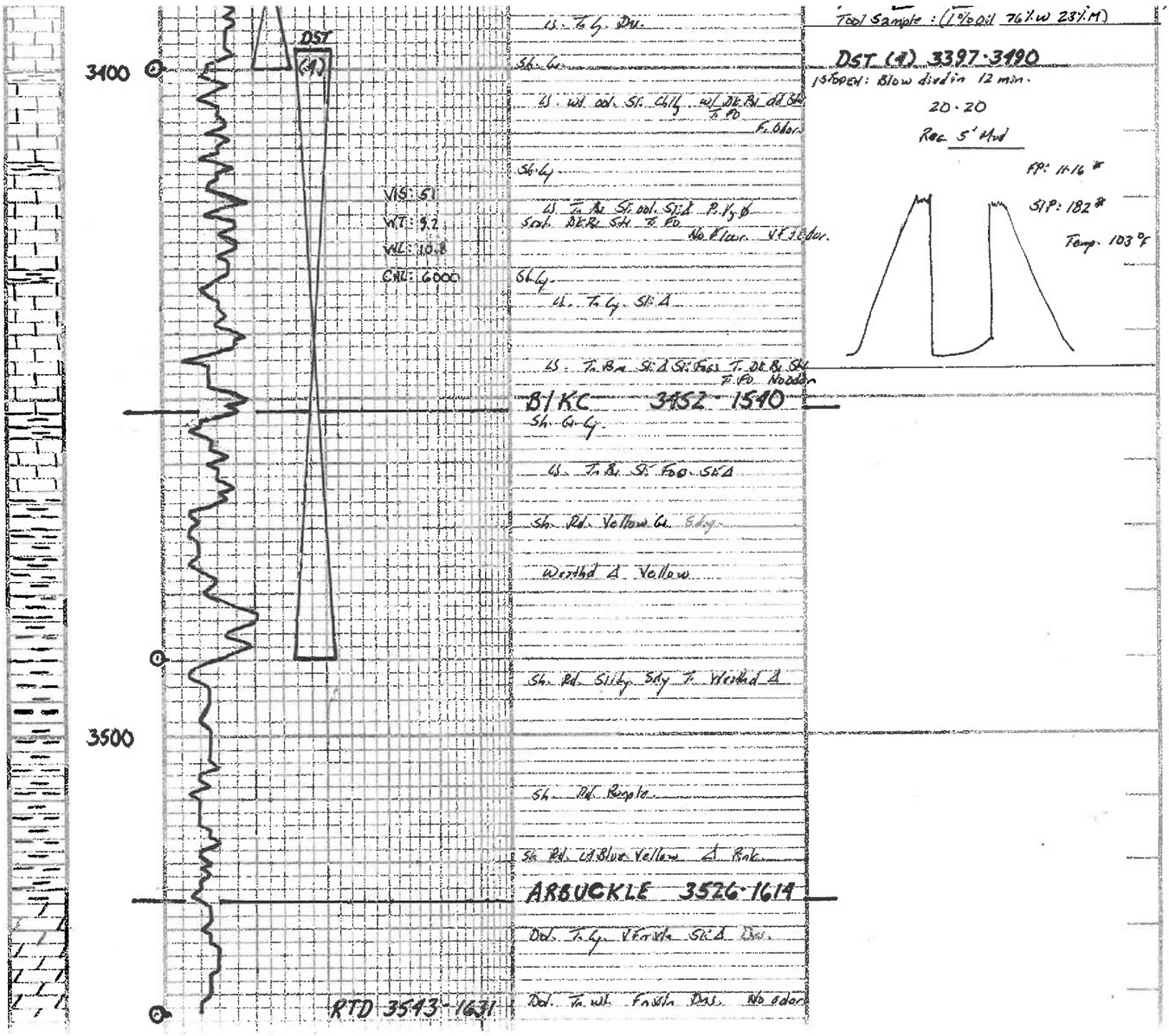
DEPTH

850 900 950

LITHOLOGY


2800
HOWARD 2834-922
VIS: 5/7
WT: 8.6
WL: 8.8
CHL: 1400
2900
Samples are tagged
Sh. Dk Gy Soft
TOPEKA 2909-997
Ls. Lt Gy VSlt Foss.
Ls. Gy. Brn V.Sh. Foss.
Ls. To wh St. Foss Sl. Chlky.
Ls. wh St. Foss. Chlky.
3000
Sh. Dk Gy. Blk.
Ls. Brn Gy. Sl. Foss. Sh. A
Ls. To Gy. Sl. Foss.
Sh. Gy.
A Dk Gy. Foss.
Ls. Brn Sh. Foss.
Ls. Brn Gy. VSlt Foss. Sh. A
Sh. Dk Gy. Blk.
Ls. To wh. Gol. Sl. Chlky.


3100
3200
3300
3400
HEEBNER 3151-1239
TORONTO
DOUGLAS
BROWN LIME 3234-1322
LANSING 3291-1329
DST (1)
(2)
(3)
(4)
VIS: 49
WT: 9.0
WL: 10.4
Chl: 5000
DST (1) 3296-3275
1st OPEN: Blow died 19 Min
30-30
Rec. 15' Mud w/ oil spks
FP: 6-19 #
SIP: 904 #
Temp 105° F
DST (2) 3277-3295
1st OPEN: Blow died 1 MIN. Flushed 2nd open w/ surge
30-30
Rec. 10' Mud w/ oil Spks
FP: 5-8 #
SIP: 85 #
Temp 103° F
DST (3) 3372-3400
1st OPEN: Blow build to 2 1/4"
2nd OPEN: " " " 1"
30-45-45-60
PW: 8
RW: .21@62°
Chl: 35,000 #
Rec. 90' MW (20% M. 80% W)
Oil Scum oil
Top:
FP: 7-25
28-47 #
SIP: 593-
188 #
Temp 107° F
Tool Sample: (1% Oil 76% W 23% M)
DST (4) 3397-3490
1st OPEN: Blow died in 12 min.
20-20
Rec 5' Mud
FP: 11-16 #


3400
3500
DST (1)
VIS: 51
WT: 9.2
WL: 10.8
CHL: 6000
Ls. Tn Lt Gy. Dns.
Sh. Gn.
Ls. wh. occ. Sl. Oil w/ Dk Brn dd Stn
& FD
Fr. Odor
Sh. Gy
Ls. Tn Brn Sl. occ. Sl. Oil P. Fly Ø
Scat. Dk Brn Stn. F. FD
No Flour. V.F. Odor.
Sh. Gy
Ls. Tn. Gy. Sl. A
Ls. Tn Brn Sl. A Sl. Frags T. Dk Brn Stn
F. FD. No Odor
B/KC 3452 -1540
Sh. Gn-Gy
Ls. Tn Brn Sl. Foss. Stn A
Sh. Rd. Yellow Gn. Gray
Weathd A. Yellow
Sh. Rd. Slty. Sdy T. Weathd A
Sh. Dk. Purple
Sh. Rd. Ld Blue Yellow A Brn
ARBUCKLE 3526 -1614
Dol. T. Gy. Vf. crs. Sl. A. Dns.
Dol. Tn. wh. Fossils Dns. No odor
RTD 3543 -1631
Tool Sample: (1% Oil 76% W 23% M)
DST (1) 3397-3490
1st OPEN: Blow died in 12 min.
20-20
Rec 5' Mud
FP: 1416 #
SIP: 1824 #
Temp. 103 °F