



KANSAS CORPORATION COMMISSION 1098136
OIL & GAS CONSERVATION DIVISION

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #:

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 West
990 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 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 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 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
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 10/25/2012



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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run
Electric Log Submitted Electronically
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
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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
Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives

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

TUBING RECORD: Size: Set At: Packer At: Liner Run:
Date of First, Resumed Production, SWD or ENHR. Producing Method:
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: Vented Sold Used on Lease
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other
PRODUCTION INTERVAL:

Customer <i>Trinity Energy</i>		Lease No.		Date	
Lease <i>4771</i>		Well #			
Field Order # <i>4771</i>	Station <i>Pratt</i>	Casing	Depth <i>8</i>	County	State
Type Job <i>Acid</i>			Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>220</i>	Depth	From	To	Pre Pad		Max		5 Min.
Volume <i>120</i>	Volume	From	To	Pad		Min		10 Min.
Max Press <i>300</i>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection <i>N.C.</i>	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager <i>David G. ...</i>	Treater <i>...</i>
-------------------------	-------------------------------------	--------------------

Service Units	<i>3200</i>	<i>3200</i>	<i>3200</i>	<i>3200</i>	<i>3200</i>				
Driver Names	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>5:45</i>					
<i>10:45</i>					<i>...</i>
<i>11:53</i>					<i>...</i>
<i>11:55</i>	<i>200</i>				<i>...</i>
<i>11:55</i>	<i>400</i>				<i>...</i>



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 A

DATE _____ TICKET NO. _____

DATE OF JOB		DISTRICT		NEW WELL <input type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER				LEASE						WELL NO.					
ADDRESS				COUNTY						STATE					
CITY		STATE		SERVICE CREW											
AUTHORIZED BY				JOB TYPE:											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED		DATE	AM	PM	TIME				
						ARRIVED AT JOB			AM	PM					
						START OPERATION			AM	PM					
						FINISH OPERATION			AM	PM					
						RELEASED			AM	PM					
						MILES FROM STATION TO WELL									

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
SUB TOTAL					
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. _____	

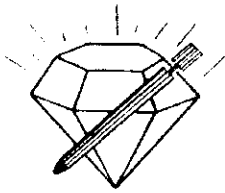
Lease No.		Date	
Well #			
Station	Casing	Depth	County
Type Job	Formation	Legal Description	

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

Customer Representative	Station Manager	Treater
-------------------------	-----------------	---------

Service Units									
Driver Names									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00	on!				...
7:40			12	4	...
			10	4	...
			13	4	...
8:00					...
8:55					...
			11	4	...
			10	4	...
9:05					...
9:30					...
			11	4	...
			10	4	...
9:50					...
10:00			12	4	...
10:10			12	4	...
10:20			12	4	...
10:30			12	4	...
10:40			12	4	...
10:50			12	4	...
11:00			12	4	...
11:10			12	4	...
11:20			12	4	...
11:30			12	4	...
11:40			12	4	...
11:50			12	4	...
12:00			12	4	...



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 Price Job
 Recovered ft. of Other Charges
 Remarks: Insurance
 Total
 TOOL SAMPLE: 100% MUD

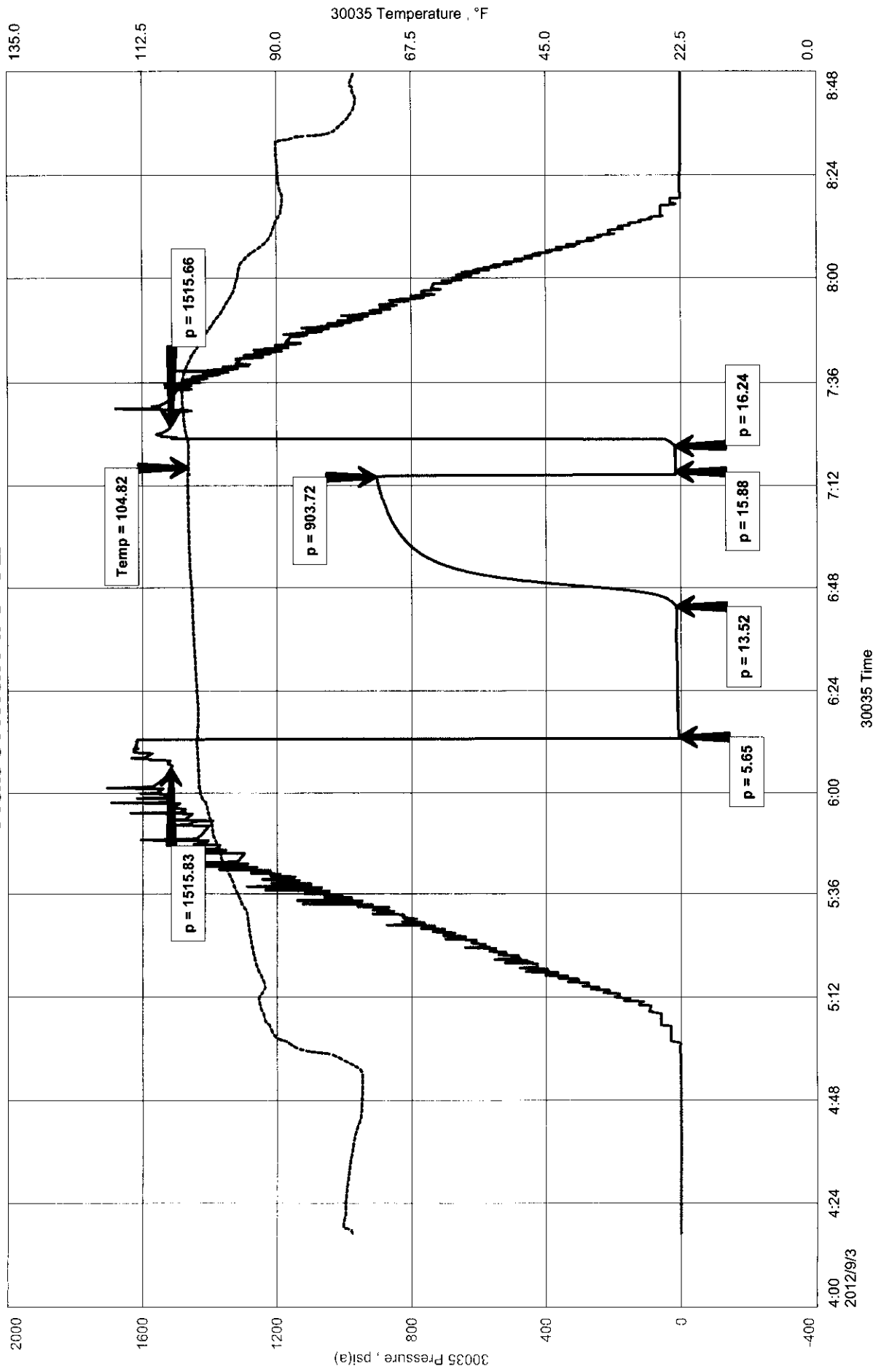
Time Set Packer(s) 6:18 AM A.M. P.M. Time Started Off Bottom 7:23 AM A.M. P.M. Maximum Temperature 105
 Initial Hydrostatic Pressure (A) 1516 P.S.I.
 Initial Flow Period 30 Minutes (B) 6 P.S.I. to (C) 14 P.S.I.
 Initial Closed In Period 30 Minutes (D) 904 P.S.I.
 Final Flow Period 5 Minutes (E) 16 P.S.I. to (F) 16 P.S.I.
 Final Closed In Period 0 Minutes (G) P.S.I.
 Final Hydrostatic Pressure (H) 1516 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 "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

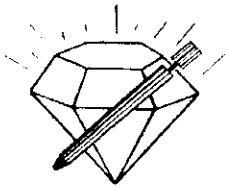
Contact	LD Davis	Job Number	S0206
Well Name	Haberman #3-32	Representative	Jacob McCallie
Unique Well ID	DST #1 Lansing "A-D" 3246-3275'	Well Operator	LD Drilling Inc
Surface Location	SEC 32-18S-14W Barton County	Report Date	2012/09/03
Well License Number		Prepared By	Jacob McCallie
Field	Erna Southeast		
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 <u> </u> ft. of <u> </u>	Price Job
Recovered <u> </u> ft. of <u> </u>	Other Charges
Remarks: <u>Flushed tool on second open.</u>	Insurance
TOOL SAMPLE: 1% OIL 99% MUD	Total

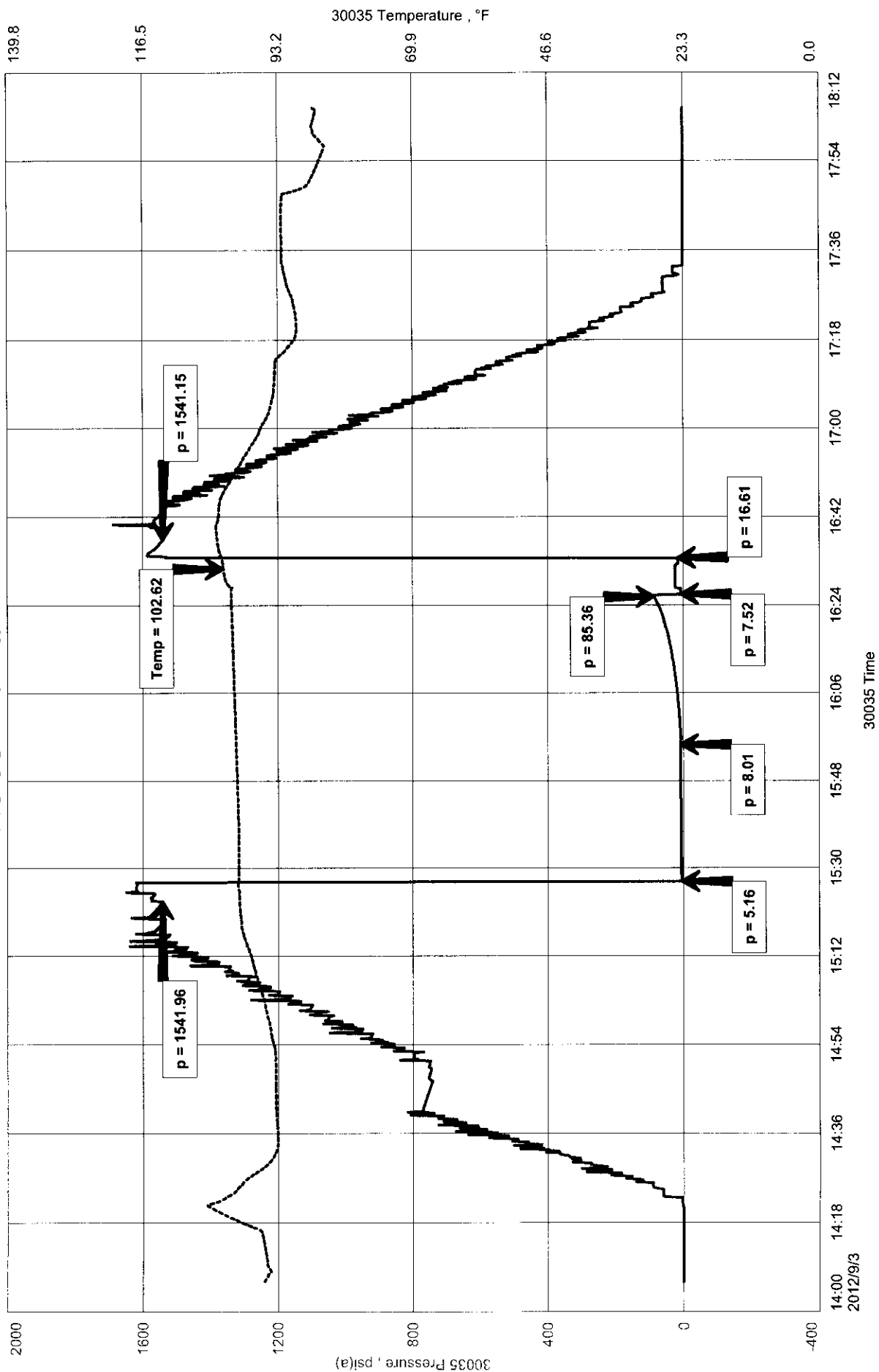
Time Set Packer(s) 3:27 PM A.M. P.M. Time Started Off Bottom 4:32 PM A.M. P.M. Maximum Temperature 103
 Initial Hydrostatic Pressure (A) 1542 P.S.I.
 Initial Flow Period Minutes 30 (B) 5 P.S.I. to (C) 8 P.S.I.
 Initial Closed In Period Minutes 30 (D) 85 P.S.I.
 Final Flow Period Minutes 5 (E) 8 P.S.I. to (F) 17 P.S.I.
 Final Closed In Period Minutes 0 (G) -- P.S.I.
 Final Hydrostatic Pressure (H) 1541 P.S.I.

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.

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

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



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

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

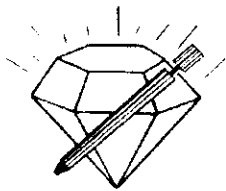
Test Type	Drill Stem Test		
Formation	DST #2 L/KC "E-F" 3277-3295'		
Well Fluid Type	01 Oil	Start Test Time	14:06:00
		Final Test Time	18:05:00
Start Test Date	2012/09/03		
Final Test Date	2012/09/03		
Gauge Name	30035		
Gauge Serial Number			

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 ft.

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 Price Job
Recovered ft. of Chlorides: 35,000 ppm Other Charges
Remarks: Insurance
TOOL SAMPLE: 1% OIL 76% WTR 23% MUD Total

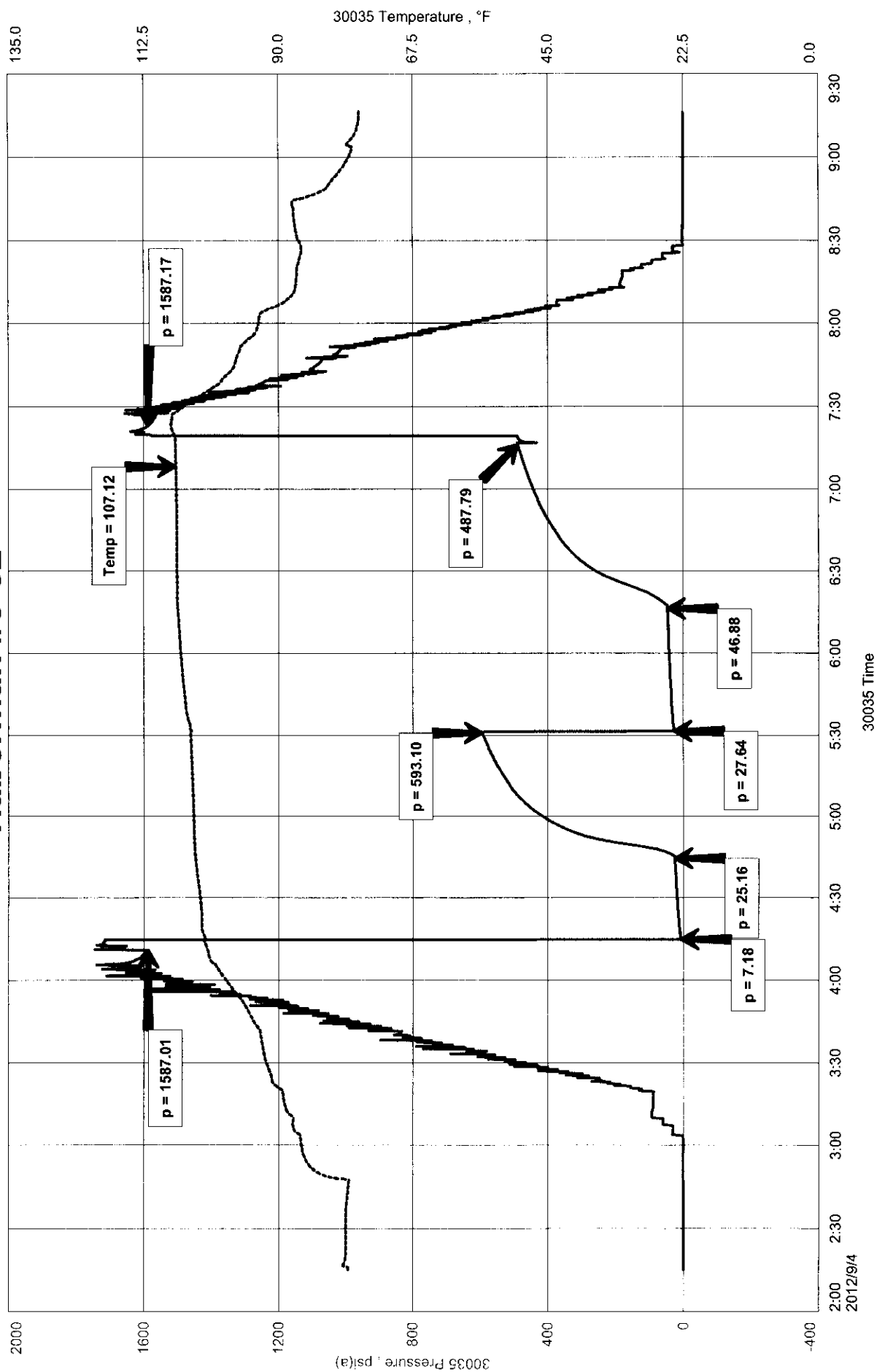
Time Set Packer(s) 4:15 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 7:15 AM ^{A.M.}/_{P.M.} Maximum Temperature 107
Initial Hydrostatic Pressure (A) 1587 P.S.I.
Initial Flow Period Minutes 30 (B) 7 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period Minutes 45 (D) 593 P.S.I.
Final Flow Period Minutes 45 (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.

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.

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

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



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

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

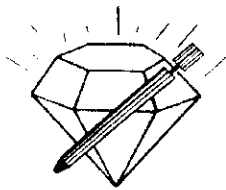
Test Type	Drill Stem Test		
Formation	DST #3 L/KC "H" 3372-3400'		
Well Fluid Type	06 Water	Start Test Time	02:15:00
		Final Test Time	09:17:00
Start Test Date	2012/09/04		
Final Test Date	2012/09/04		
Gauge Name	30035		
Gauge Serial Number			

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-FH 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 Price Job

Recovered ft. of Other Charges

Remarks: Insurance

TOOL SAMPLE: 100 % DM 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.

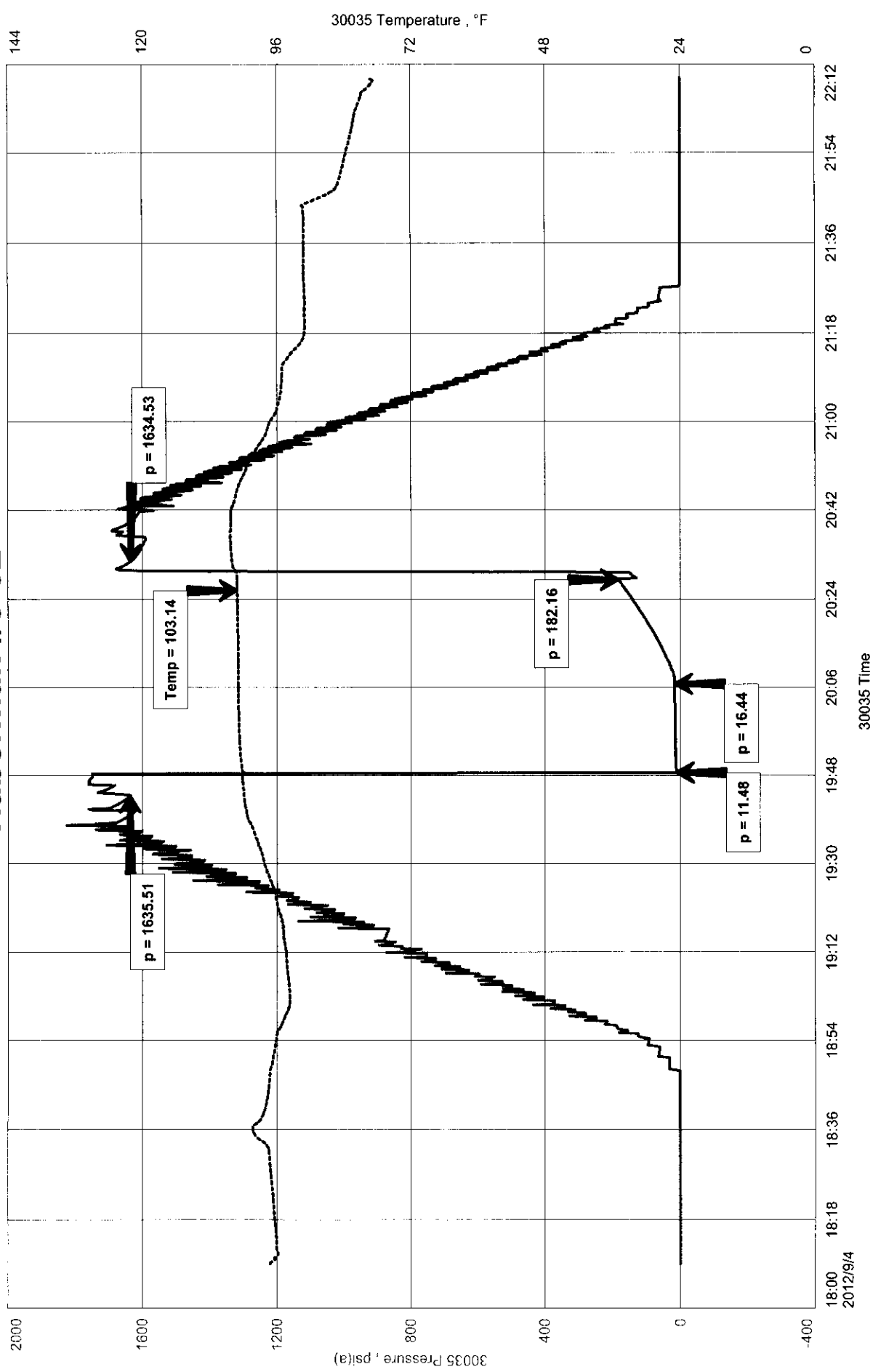
Final Hydrostatic Pressure..... (H) 1635 P.S.I.

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

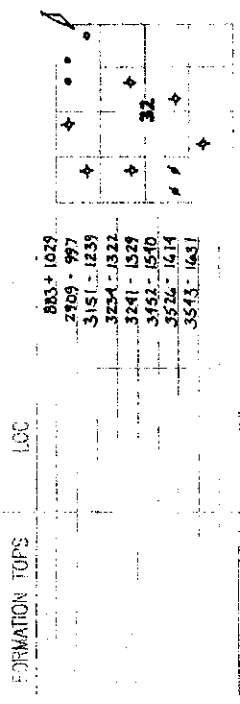
KIM B. SHOELMAKER
 CONSULTING GEOLOGIST
 316-684-9709 WICHITA, KS

GE LOGIST'S

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. ELEVATIONS
 LEASE # 3-32 KB 1912
 FIELD 330' FEL 990' FRL DF
 SEC _____ GI 1907
 COUNTY _____ Measurements Are All
 From 1912 KB
 CONTRACTOR _____ RIG 2 CASING
 SURFACE 150 TO 891
 PRODUCTION _____
 ELECTRICAL SURVEYS
 MUD MUD CHEMICAL

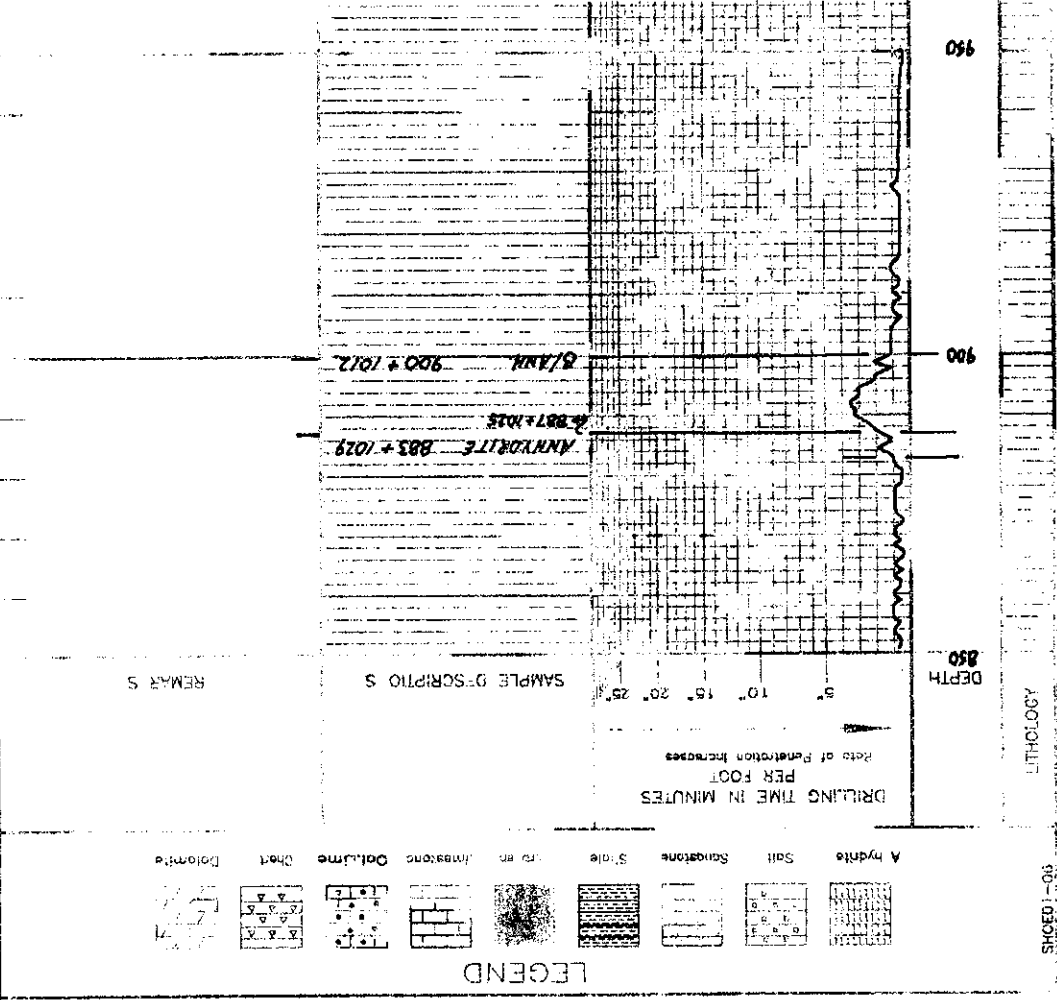
SAMPLES SAWED FROM 2900 TO 3543
 DRILLING TIME KEPT FROM 2900 TO 3543
 SAMPLES EXAMINED FROM 2900 TO 3543
 GEOLOGICAL SUPERVISION FROM 3100 TO 3543
 GEOLOGIST ON WELL KIM B. SHOELMAKER

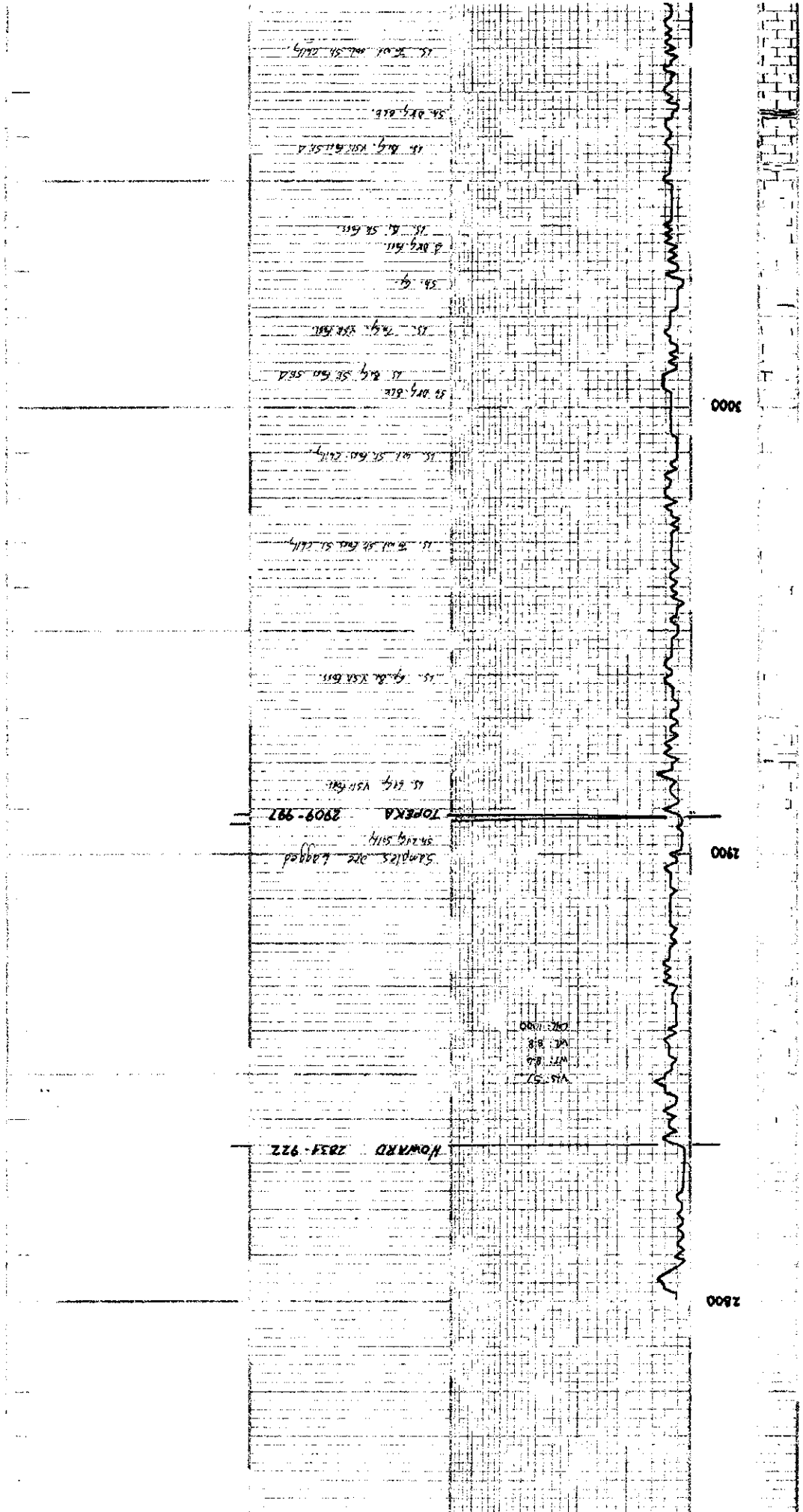


REMARKS

8:50-12:50 PM
 9:1 @ 1748
 9:2 @ 215
 9:3 @ 1175
 9:4 @ 240
 9:5 @ 3543

APL 13-009-25132





15. 30 ft. 30. 2017

50. 20 ft. 20. 1818

15. 20 ft. 20. 1818

15. 20 ft. 20. 1818

50. 20 ft. 20. 1818

15. 20 ft. 20. 1818

15. 20 ft. 20. 1818

50. 20 ft. 20. 1818

15. 20 ft. 20. 1818

15. 20 ft. 20. 1818

15. 20 ft. 20. 1818

15. 20 ft. 20. 1818

TOPKA 2908-997

Samples are tagged
in this unit

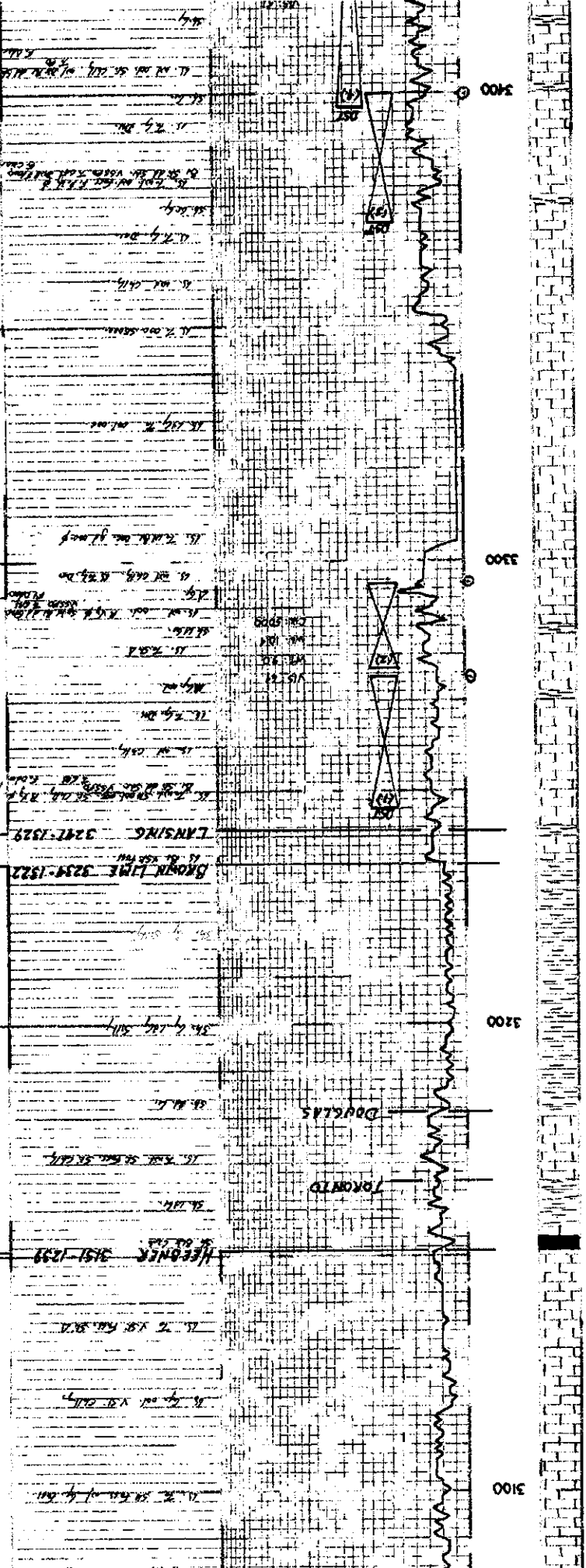
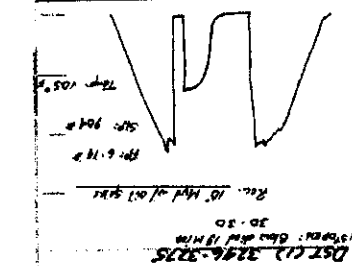
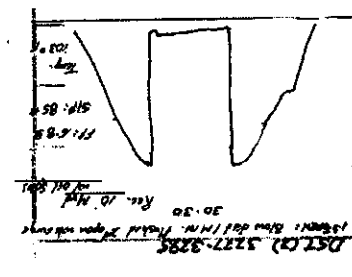
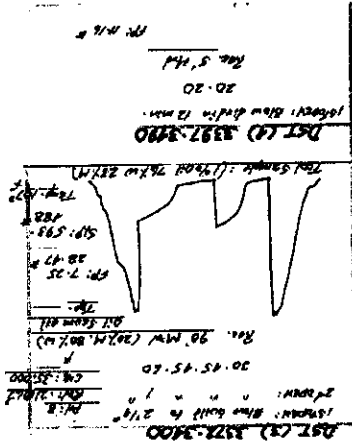
WIS 57
WIT 60
WIT 61
WIT 62

HOWARD 2834-922

3000

2900

2800



3400
3300
3200
3100

