



KANSAS CORPORATION COMMISSION 1062124
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: JOSH AUSTIN
Purchaser: M V PURCHASING

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
06/27/2011 07/04/2011 07/19/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-009-25575-00-00
Spot Description: _____
NW SE NE SW Sec. 1 Twp. 19 S. R. 15 East West
1830 Feet from North / South Line of Section
2000 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: HOELSCHER Well #: 2-1
Field Name: OTIS-ALBERT
Producing Formation: ARBUCKLE
Elevation: Ground: 1982 Kelly Bushing: 1982
Total Depth: 3695 Plug Back Total Depth: 3672
Amount of Surface Pipe Set and Cemented at: 956 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: 7000 ppm Fluid volume: 0000 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garcia Date: 08/26/2011



1062124

Operator Name: L. D. Drilling, Inc. Lease Name: HOELSCHER Well #: 2-1
 Sec. 1 Twp. 19 S. R. 15 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no. Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	24	956	A-CONN	200	3%CC, 1/4%CF
SURFACE-CONT	12.25	8.625	24	956	COMMON	200	2%Gel,3%CC,1/4#CF
PRODUCTION	7.875	5.5	14	3691	60/40 POZMIX	180	18% Sall, 1/4%Defoamer

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	3582-3612	COMMON	75	.25%Defoamer, .5%CFS, .5% FLA
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
4	3582 - 3588'; 3594 - 3606'	750 gal 20% NE FE HCL Acid	
4	3609 - 3612'	750 gal 20% NE FE Acid	
4	3582 - 3584'; 3593 - 3595'		
4	3604 - 3606'		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3668</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR. <u>07/19/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HOELSCHER 2-1
Doc ID	1062124

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HOELSCHER 2-1
Doc ID	1062124

Tops

ANHYDRITE	958	+1024
TOPEKA	2968	-986
HEEBNER	3209	-1227
TORONTO	3223	-1241
DOUGLAS	3238	-1256
BROWN LIME	3286	-1304
LANSING	3294	-1312
BASE KANSAS CITY	3516	-1534
ARBUCKLE	3578	-1596

FIELD SERVICE TICKET

1718 04410 A



BASIC
ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

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

DATE _____ TICKET NO. _____

DATE OF JOB: 6-28-11		DISTRICT: Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER: L.O. Drilling, Inc.		LEASE: Hordtschec		WELL NO. 2-1					
ADDRESS:		COUNTY: Barton 1-19-15 STATE: KS							
CITY: _____ STATE: _____		SERVICE CREW: Allen, Brad Dale							
AUTHORIZED BY:		JOB TYPE: 8 3/8 Surface CNU							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	CAM	TIME
78-143	1 1/2						6-28-11	AM	8:00
19889-19842	1 1/2					ARRIVED AT JOB	6-28-11	AM	1:00
19960-19918	1 1/2					START OPERATION	6-28-11	AM	11:30
						FINISH OPERATION	6-28-11	AM	1:00
						RELEASED	6-28-11	AM	2:00
						MILES FROM STATION TO WELL	60-mile		

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
CP101	A-CON Blend Common	SK	200		\$ 3600.00
CP100	Common	SK	200		\$ 3200.00
CC102	CC11 FLAKE	lb	100		\$ 370.00
CC109	Calcium Chloride	lb	1128		\$ 1184.40
CC204	Cement Gel	lb	326		\$ 94.00
CF-105	Top Rubber cement Plug 8 5/8"	EA	1		\$ 225.00
F100	unit @ long chassis pickup	m	60		\$ 255.00
F101	Heavy Equip Package	m	120		\$ 840.00
F113	BUK @ Diesel Engine	Tm	1128		\$ 1804.00
CF201	Depth Chassis 901-1000	4-bt	1		\$ 1200.00
CF200	Blending & mixing service chg	SK	400		\$ 560.00
CF504	Pluck container utilization chg.	job	1		\$ 250.00
S003	Service Supervisor cost 8hrs in loc	EA	1		\$ 175.00
				SUB TOTAL	\$ 10,868.98
				SERVICE & EQUIPMENT	%TAX ON \$
				MATERIALS	%TAX ON \$
				TOTAL	10,868.98

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	10,868.98

SERVICE REPRESENTATIVE: Allen, F. Worth THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Customer L.O. Drilling Inc		Lease No.		Date 6-28-11	
Lease Hoelcher		Well # #2-1			
Field Order # 04410	Station Pratt KS	Casing 8 5/8"	Depth 956'	County Barton	State Ks
Type Job 8 5/8" Surface			Formation 956' TD	Legal Description 1-14-15	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 956'	Depth	From	To	200 SKS A-con @ 12 #/gal	Max		5 Min.
Volume 59 1/2	Volume	From	To	Pre Pad 200 SKS com. 2%	Min		10 Min.
Max Press 500 #	Max Press	From	To	Pad	Avg		15 Min.
Well Connection	Annulus Vol.	From	To	Frac	HHP Used		Annulus Pressure
Plug Depth 936'	Packer Depth	From	To	Flush Disp H 20	Gas Volume		Total Load

Customer Representative Jim	Station Manager Scotty	Treater Stacy
Service Units 28443 19889 19892 19960 19918		
Driver Names Allen Brad Mitchell Dale Rhye		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
10:00 AM					DTSCASING SCREW Service Log Peto DRIG #2
					ON Loc. DISCS Safety, setup, Plan Job.
10:15					Put Rig Drill Pipe out of hole with bit
10:28					Back to Run 8 5/8" Csg 24'
11:30					START 8 5/8" CASING
					CASING @ 956' Hookup + CIR.
					Good CIR. w/ Rig pump.
	100 #		5.5	5 1/2	Start mix 200SKS A-con @ 12 #
					Start mix 200SKS common w/ 2% gel, 3% CC, 1/4 # C.F @ 15 #
					Finish mix
					Drop 8 5/8" Top Rubber Plug.
12:30				5	Start DISP.
12:45	300 #		59 1/2	3	Plug down
	0 #				Shut in @ well
					Release PST
					Knock loose & wash up equip.
					Rack up.
2:00					Job complete.
					CIRC. CEMENT TO PST.
					Thanks Allen, Brad, Dale.



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 04328 A

DATE _____ TICKET NO. _____

DATE OF JOB 7/5/11 DISTRICT Pratt, Ks		NEW WELL <input type="checkbox"/> OLD WELL <input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER LIS DRILLING		LEASE HOESCHLER WELL NO. 2-1							
ADDRESS		COUNTY Barton STATE Ks.							
CITY STATE		SERVICE CREW G. MESSER, JERROLD							
AUTHORIZED BY		JOB TYPE: CIVIL - CONCRETE							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
17701		17831	1				7-4	AM	1800
		21010				ARRIVED AT JOB	7-4	PM	7:00
17703	1					START OPERATION	7-4	AM	7:45
4905						FINISH OPERATION	7-5	AM	6:15
						RELEASED	7-5	AM	01:00
						MILES FROM STATION TO WELL	70		

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	60/40 702	EA	150		1800.00
CP103	60/40 702	EA	30		360.00
CC102	CELLULANE	Lb.	38		140.25
CC105	DEFLOWNELL	Lb.	33		132.00
CC111	SURE	Lb.	1333		666.50
CC112	CEM	Lb.	97		582.00
CC201	DEFLOWNELL	Lb.	750		302.50
CC151	MUDFOUR	EA	1000		800.00
F100	PELLUM MORTAR	gals	160		755.00
F101	TRUCK MORTAR	gals	120		800.00
F113	TRUCK DEFLOWNELL	gals	465		744.00
CE204	BLANKET	EA	180		2160.00
CE210	BLANKET	EA	180		252.00
CE214	BLANKET	EA	1		250.00
DOOS	STAINLESS STEEL W/STOR	EA	1		175.00
CE103	5/8" TOP RUBBER PLUG	EA	1		105.00
CE251	5/8" BLADE SHOE	EA	1		250.00
CE151	5/8" NEW INSERT FRONT	EA	1		2150.00
CE151	5/8" TURBOJET	EA	6		660.00

SUB TOTAL **DLS 8650.18**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE **K. CARLEY** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **[Signature]**

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer W DRILLING	Lease No. <i>[Handwritten]</i>	Date 7-4-11
Lease HOLSCHLER	Well # 2-1	
Field Order # 4328	Station PRATT, KS	Casing 5 1/2
Type Job CAVU - LONGSTRENG	Depth 3691	County BARON
	Formation RID-3695	State KS
		Legal Description 1-19-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3691	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		HMP Used		Annulus Pressure
Plug Depth 3680	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative LD	Station Manager STANLEY	Treater STANLEY
Service Units 19907	19903	19905
Driver Names KG	MESSER	REED

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2100					CW PERMITZON
					RUN 2684 5 1/2 14" CSG-89 IN
					1200-5000 INJECT 2-15' COLUMN
					1-3-5-7-9-11
2300					TO BOTTOM INJECT PUMP - CARE.
2330					22. Pump 86 bbl. INJECT
2345	250	24			Pump 24 561 MINUTE FLUSH
	250	25			Pump 5 661 (120)
	200	31			Pump 150 516 60/40 POT
					18% 94% 3/4% CO₂ 1/4% DEFORMER
					1/4" CELIFRAC 5" GELSONITE
					1.71 15.4" 1.18 CP/1SK
					STOP - WASH LINE - DROPP PUMP
	0	0	6		START DROPP?
	200	70	6		LEFT PUMP
	500	80	3		SLOW RATE
0015	1060	89.9	3		PUMP DOWN - HEAD
					PLUG AT HOW - 3000 60/40 POT.
6100					2.3/10000 - VIEW



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 04424 A

DATE _____ TICKET NO. _____

DATE OF JOB 7-18-11 DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER L D Drilling INC		LEASE Hoelscher WELL NO. 2-1							
ADDRESS		COUNTY Barton STATE KANSAS							
CITY STATE		SERVICE CREW Allen, Lucas							
AUTHORIZED BY		JOB TYPE Squeez Puff C/W							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28442 PU	3						7-18-11	PM	2:00
27462 P+	3					ARRIVED AT JOB	7-18-11	AM	2:30
19959-19862	3					START OPERATION	7-18-11	AM	5:00
						FINISH OPERATION	7-18-11	AM	8:00
						RELEASED	7-18-11	AM	8:30
						MILES FROM STATION TO WELL	600		

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
CP100	COMMON	SK	25		\$ 400.00
CP100	COMMON	SK	50		\$ 800.00
CC105	C-41 P	lb	6		\$ 24.00
CC112	Cement Friction Reducer	lb	12		\$ 72.00
CC129	FIA-322	lb	17		\$ 90.00
F100	Unit mileage charge	mi	60		\$ 355.00
F101	Heavy Equip Mileage	mi	120		\$ 940.00
F113	Bulk Diesel Charge	gal	213		\$ 240.00
CF204	Drill Charge	hr	1		\$ 2160.00
CF240	Remaining service chg	SK	75		\$ 105.00
500	Service Supervisor	EA	1		\$ 170.00
SUB TOTAL					4,262.00

CHEMICAL / ACID DATA:			

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

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

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling INC.	Lease No.	Date 7-18-11
Lease Hoelscher	Well # 2-1	
Field Order # 04424A	Station Pratt	County Barton
Type Job Square Perfs	Formation CNW	Legal Description T10 3672

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft		Acid	RATE	PRESS	SIP	
Depth	Depth	From 2582	To 2588	Pre Pad	Max 372	15.4	5 Min.	
Volume	Volume	From 3594	To 3606	Pad	Min		10 Min.	
Max Press	Max Press	From 3609	To 3612	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush Saturated	Gas Volume		Total Load	

Customer Representative JAKE	Station Manager SCOTTY	Treater SANDERS
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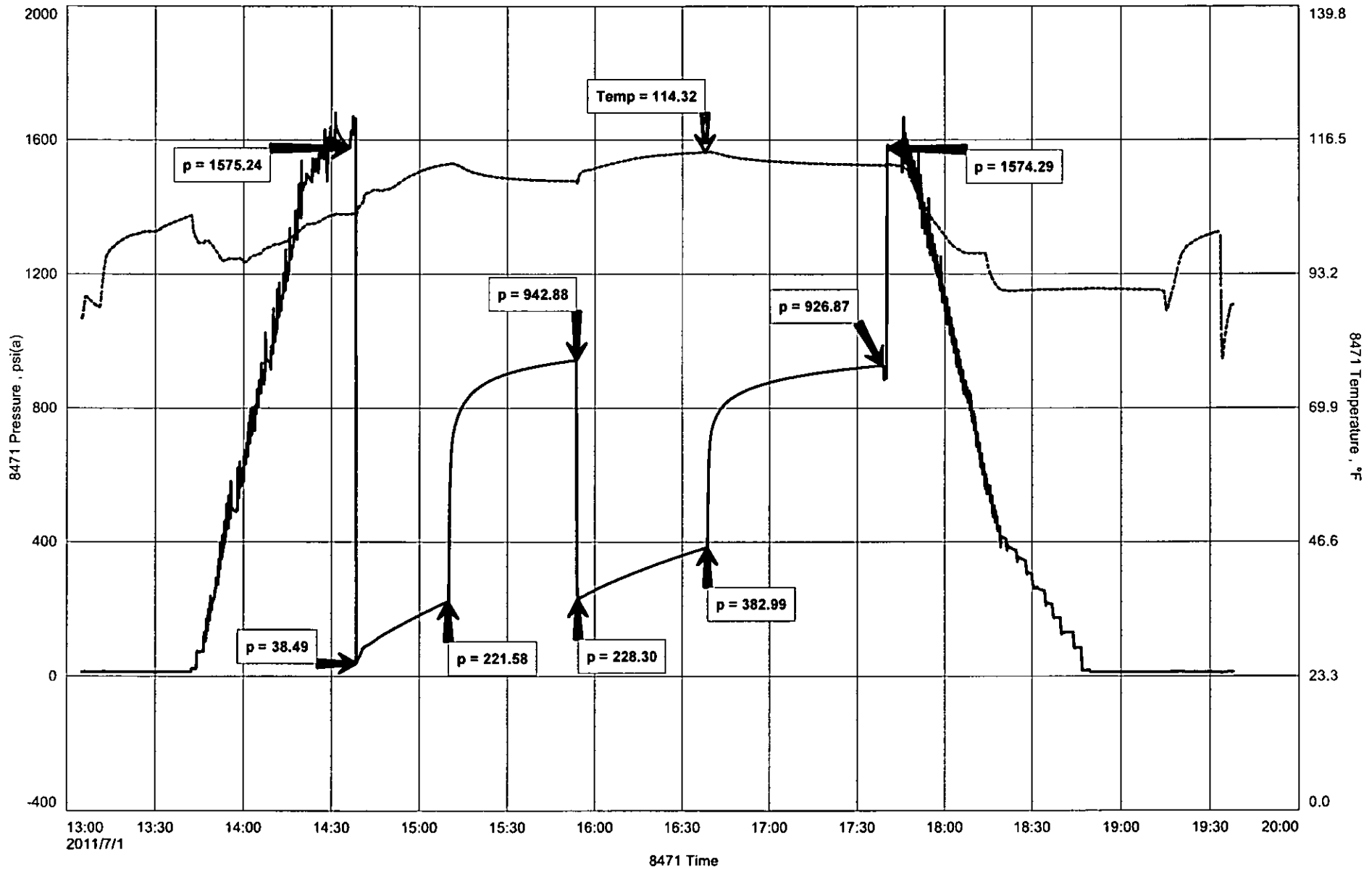
Service Units	28443	27463	19967	1986	19907
Driver Names	Allen	Lucas	MIKE	Larwen	KEVIN

Time	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	Service Log
2:30 pm					on loc. discuss safety, setup plan for rig. 2 7/8 Tbg. To run 5 1/2" packer start BBR in hole
4:08					RRP @ 3482 To sq. PSI on ANN
5:15	500				take in rate 1 1/4 BPM @ 500
5:30		500			Mix 25 SKS common w. 25% Doformer .5% CFR. .5% F/A-322 @ 15.4
			10 1/2	1 1/2	mix 50 SKS NEAT
5:45					Finish mix go into D.SP.
6:00		1200			17 BBL out stage
6:05		1250	18		18 BBL out stage
6:15		1400	18 1/2		18 BBL out stage
6:20			19		19 BBL out stage
6:30			19 1/4		19 1/4 BBL out stage
6:55		2200	20		20 BBL out - Release comes back.
7:00		2300	20		20 BBL out Release comes back.
7:05		2500	20		RRP - 2500 washup. Equip.
7:20		1700			PSI on sq. Release Deg.
7:30	450		25	3	Rev out 25 BBL clean
8:30					wash & IT down cmt HARD CIR CLEAN - 12 BBLs out TOP IT

L.D. DRILLING, INC.
DST #1 LKC 'A-F' 3,293' - 3,365'
Start Test Date: 2011/07/01
Final Test Date: 2011/07/01

HOELSCHER #2-1
Formation: DST #1 LKC 'A-F' 3,293' - 3,365'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name HOELSCHER #2-1
Unique Well ID DST #1 LKC 'A-F' 3,293' - 3,365'
Surface Location SEC 1-19S-15W BARTON COUNTY, KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRIL-STEM TEST
Formation DST #1 LKC 'A-F' 3,293' - 3,365'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator L.D. DRILLING, INC.
Report Date 2011/07/01
Prepared By ROGER D. FRIEDLY
Qualified By JOSH AUSTIN

Start Test Date 2011/07/01
Final Test Date 2011/07/01

Start Test Time 13:05:00
Final Test Time 19:38:00

Test Recovery:

RECOVERED: 77' SLTOCMW 1% OIL, 54% WTR, 45% MUD
62' MW 71% WTR, 29% MUD
617' SW 100% WTR
756' TOTAL FLUID

TOOL SAMPLE: 9% GAS, 2% OIL, 62% WTR, 27% MUD

CHLORIDES: 75,000 Ppm
PH: 7.0
RW: .08 @ 99 deg.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOELSCHER21DST1

TIME ON: 13:05
TIME OFF: 19:38

Company L.D. DRILLING, INC. Lease & Well No. HOELSCHER #2-1
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1,982' KB Formation LKC 'A-F' Effective Pay _____ Ft. Ticket No. _____
Date 07.01.11 Sec. 1 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,293 ft. to 3,365 ft. Total Depth 3,365 ft.
Packer Depth 3,288 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,293 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3,281 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3,362 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,600 P.P.M. Drill Pipe Length 3,146 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 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' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIR 1" BLOW INCREASING TO BOTTOM OF BUCKET IN 6 MIN (NObb)
2nd Open: WEAK 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 9 MIN (NO bb)

Recovered 77 ft. of SLTOCMW 1% OIL, 54% WTR, 45% MUD
Recovered 62 ft. of MW 71% WTR, 29% MUD
Recovered 627 ft. of SW 100% WTR CHLORIDES 75,000 Ppm
Recovered 756 ft. of TOTAL FLUID PH 7.0

Recovered _____ ft. of _____	RW .08 @ 99 deg.	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: _____		Insurance
TOOL SAMPLE: 9% GAS, 2% OIL, 62% WTR, 27% MUD		Total

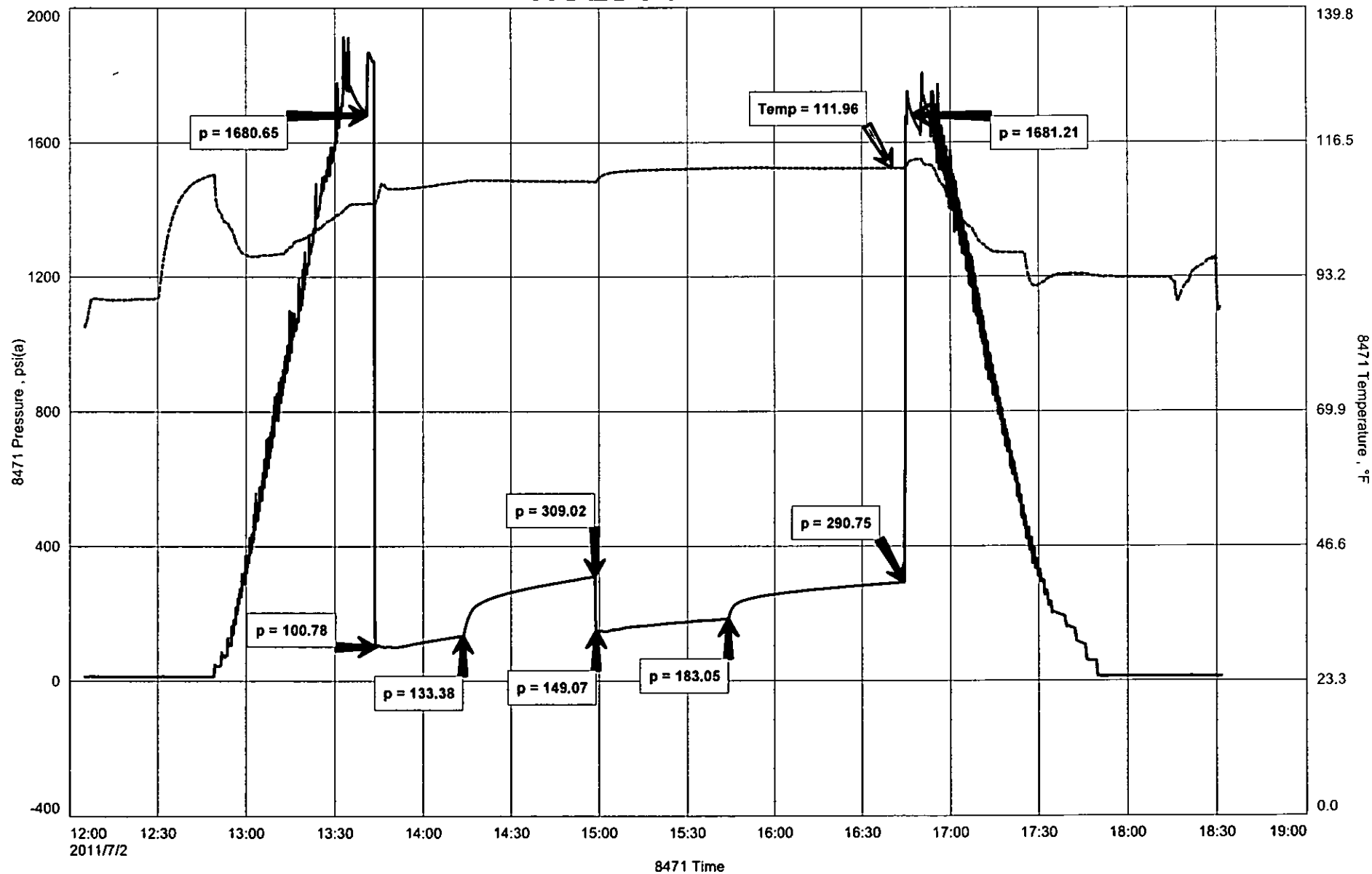
Time Set Packer(s) 2:40 P.M. ^{A.M.} _{P.M.} Time Started Off Bottom 5:40 P.M. ^{A.M.} _{P.M.} Maximum Temperature 114
Initial Hydrostatic Pressure..... (A) 1,575 P.S.I.
Initial Flow Period..... Minutes 30 (B) 38 P.S.I. to (C) 222 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 943 P.S.I.
Final Flow Period..... Minutes 45 (E) 228 P.S.I. to (F) 383 P.S.I.
Final Closed In Period..... Minutes 60 (G) 927 P.S.I.
Final Hydrostatic Pressure..... (H) 1,574 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 #2 ARBUCKLE 3,516' - 3,593'
Start Test Date: 2011/07/02
Final Test Date: 2011/07/02

HOELSCHER #2-1
Formation: DST #2 ARBUCKLE 3,516' - 3,593'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/02
Unique Well ID	DST #2 ARBUCKLE 3,516' - 3,593'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #2 ARBUCKLE 3,516' - 3,593'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/02	Start Test Time	12:05:00
Final Test Date	2011/07/02	Final Test Time	18:31:00

Test Recovery:

RECOVERED: 1,074' GAS IN PIPE
50' CLEAN OIL 37.5 GRAVITY @ 60 deg.
10' SLTW&GCMO 10% GAS, 87% OIL, 1% WTR, 2% MUD
373' SLTW&GCMO 8% GAS, 80% OIL, 1% WTR, 11% MUD
433' TOTAL FLUID

TOOL SAMPLE: 5% GAS, 94% OIL, 1% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOELSCHER21DST1

TIME ON: 12:05
TIME OFF: 18:31

Company L.D. DRILLING, INC. Lease & Well No. HOELSCHER #2-1
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1,982' KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
Date 07.02.11 Sec. 1 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,516 ft. to 3,593 ft. Total Depth 3,593 ft.
Packer Depth 3,511 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,516 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3,504 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3,590 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.4 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 3,369 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 77 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31" DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 3" BLOW INCREASING TO BOTTOM OF BUCKET IN 3 MIN (G7"bb)
2nd Open: WEAK 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 6 1/2 MIN (NO bb)

Recovered 1,074 ft. of GAS IN PIPE
Recovered 50 ft. of CLEAN OIL 37.5 GRAVITY @ 60 deg.
Recovered 10 ft. of SLTW&GCMO 10% GAS, 87% OIL, 1% WTR, 2% MUD
Recovered 373 ft. of SLTW&GCMO 8% GAS, 80% OIL, 1% WTR, 11% MUD
Recovered 433 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>5% GAS, 94% OIL, 1% MUD</u>	Total

Time Set Packer(s) 1:42 P.M. ^{A.M.} P.M. Time Started Off Bottom 4:43 P.M. ^{A.M.} P.M. Maximum Temperature 112

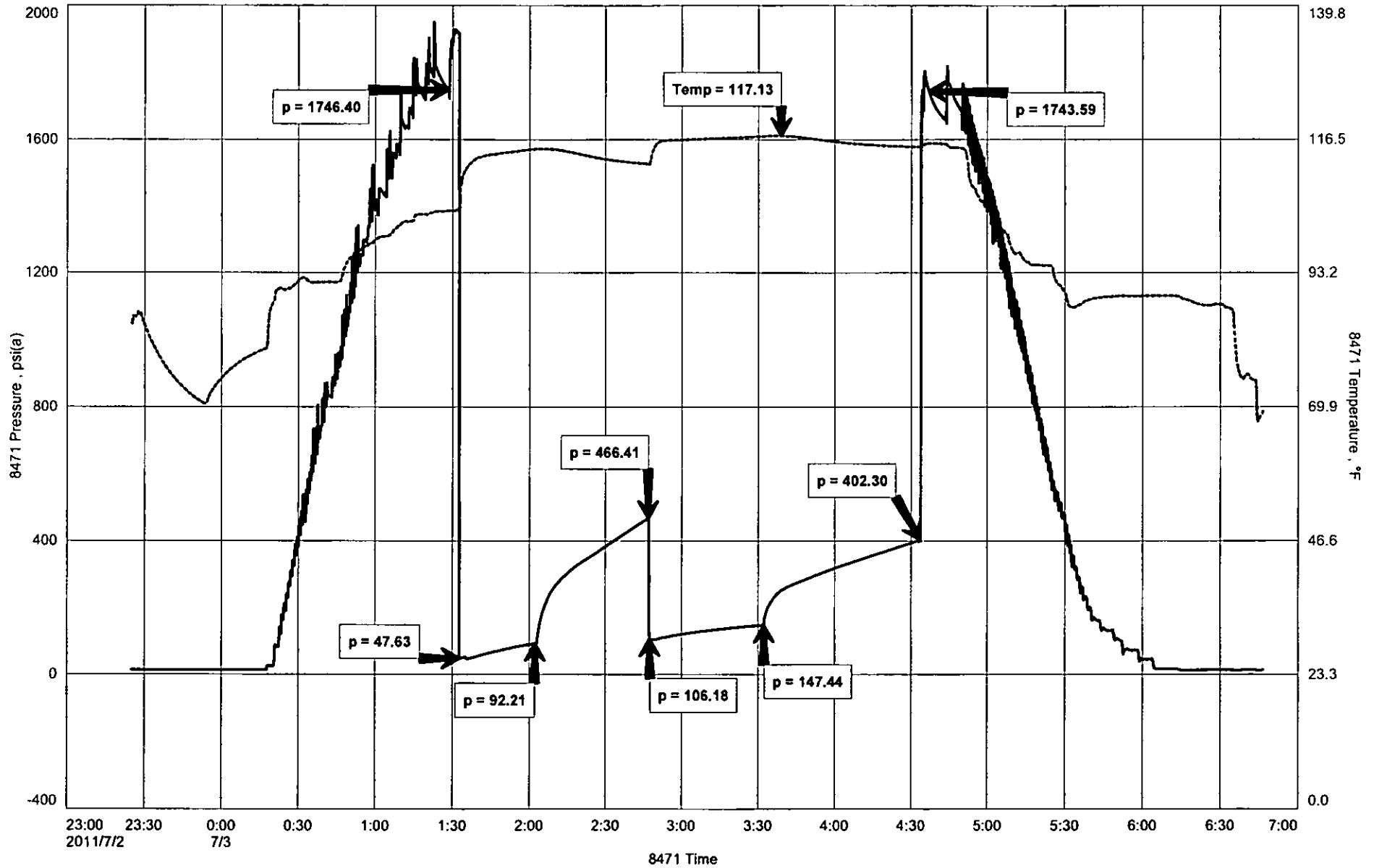
Initial Hydrostatic Pressure..... (A) 1,681 P.S.I.
Initial Flow Period..... Minutes 30 (B) 101 P.S.I. to (C) 133 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 309 P.S.I.
Final Flow Period..... Minutes 45 (E) 149 P.S.I. to (F) 183 P.S.I.
Final Closed In Period..... Minutes 60 (G) 291 P.S.I.
Final Hydrostatic Pressure..... (H) 1,681 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 ARBUCKLE 3,593' - 3,601'
Start Test Date: 2011/07/02
Final Test Date: 2011/07/03

HOELSCHER #2-1
Formation: DST #3 ARBUCKLE 3,593' - 3,601'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/03
Unique Well ID	DST #3 ARBUCKLE 3,593' - 3,601'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #3 ARBUCKLE 3,593' - 3,601'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/02	Start Test Time	23:25:00
Final Test Date	2011/07/03	Final Test Time	06:46:00

Test Recovery:

RECOVERED: 1,419' GAS IN PIPE
295' CLEAN OIL GRAVITY @ 60 deg.
45' SLTWHGCMO 3% WTR, 8% GAS, 79% OIL, 19% MUD
340' TOTAL FLUID

TOOL SAMPLE: 100% OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOELSCHER21DST1

TIME ON: 23:25 (7.2)
TIME OFF: 06:46(7.3)

Company L.D. DRILLING, INC. Lease & Well No. HOELSCHER #2-1
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1,982' KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
Date 07.03.11 Sec. 1 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 3,593 ft. to 3,601 ft. Total Depth 3,601 ft.
Packer Depth 3,511 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,516 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3,581 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3,596 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.4 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 3,446 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 8 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: GOOD 3" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 1/2 MIN (S11"bb)
2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET IN 8 MIN (NO bb)

Recovered 1,419 ft. of GAS IN PIPE
Recovered 295 ft. of CLEAN OIL 37.5 GRAVITY @ 60 deg.
Recovered 45 ft. of SLTW&HGCMO 3% WTR, 8% GAS, 79% OIL, 10% MUD
Recovered 340 ft. of TOTAL FLUID

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

Time Set Packer(s) 1:32 A.M. P.M. Time Started Off Bottom 4:32 A.M. P.M. Maximum Temperature 117

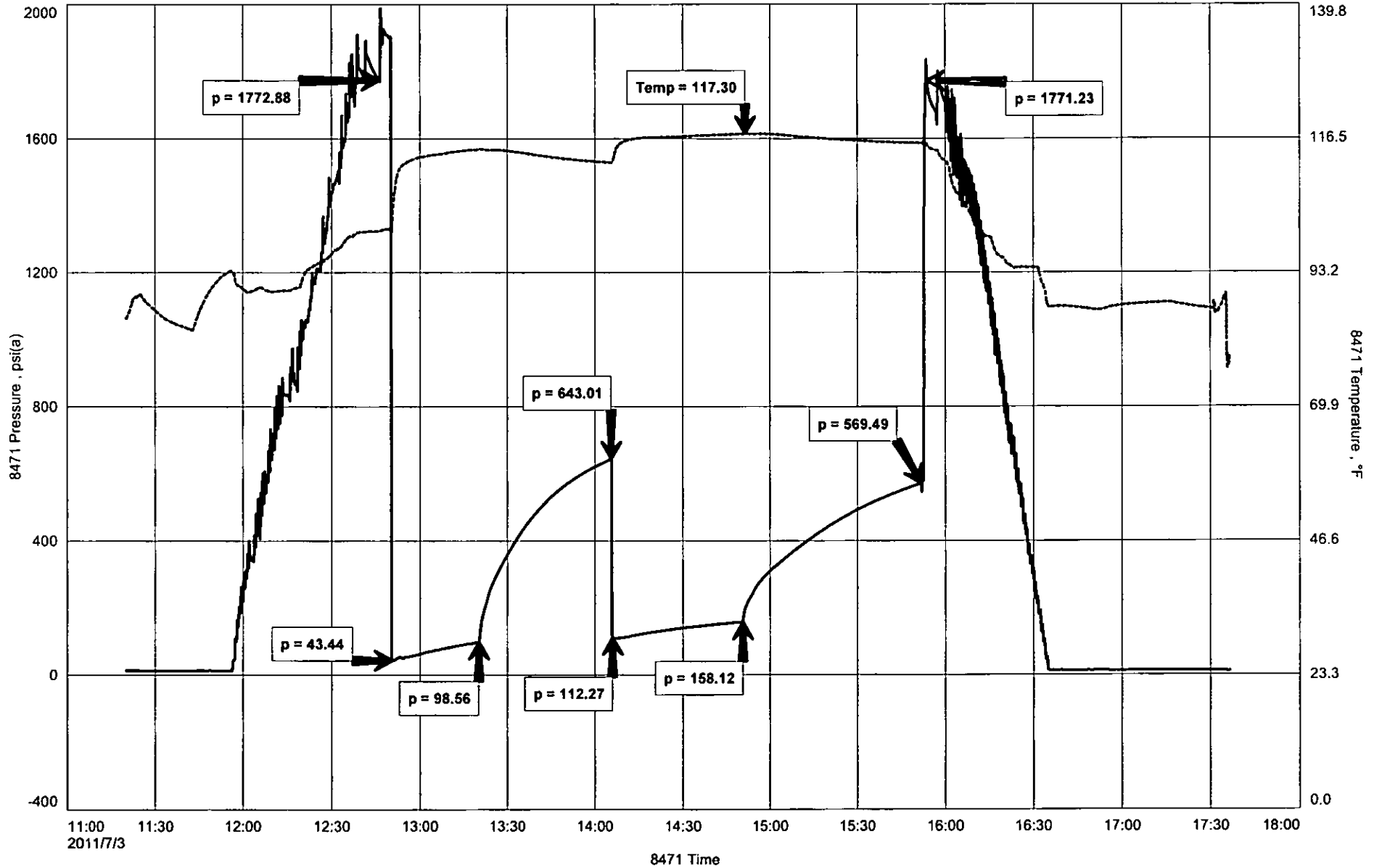
Initial Hydrostatic Pressure..... (A) 1,746 P.S.I.
Initial Flow Period..... Minutes 30 (B) 48 P.S.I. to (C) 92 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 466 P.S.I.
Final Flow Period..... Minutes 45 (E) 106 P.S.I. to (F) 147 P.S.I.
Final Closed In Period..... Minutes 60 (G) 402 P.S.I.
Final Hydrostatic Pressure..... (H) 1,744 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 #4 ARBUCKLE 3,601' - 3,609'
Start Test Date: 2011/07/03
Final Test Date: 2011/07/03

HOELSCHER #2-1
Formation: DST #4 ARBUCKLE 3,601' - 3,609'
Pool: WILDCAT

HOELSCHER #2-1



DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/03
Unique Well ID	DST #4 ARBUCKLE 3,601' - 3,609'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #4 ARBUCKLE 3,601' - 3,609'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/03	Start Test Time	11:20:00
Final Test Date	2011/07/03	Final Test Time	17:36:00

Test Recovery:

RECOVERED: 1,750' GAS IN PIPE
315' CO 35 GRAVITY @ 60 deg
15' SLTW&MCGO 3% GAS, 95% OIL, 1% WTR, 1% MUD
61' SLTW&GO 3% GAS, 95% OIL 2% WTR
60' M&WCGO 32% GAS, 43% OIL, 14% WTR, 11% MUD
451' TOTAL FLUID

TOOL SAMPLE: 99% OIL, 1% WTR

CHLORIDES 15,000 Ppm
PH 8.0
RW .35 @ 94 deg.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOELSCHER21DST1

TIME ON: 11:20
TIME OFF: 17:36

Company L.D. DRILLING, INC. Lease & Well No. HOELSCHER #2-1
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1,982' KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
Date 07.03.11 Sec. 1 Twp. _____ 19 S Range _____ 15 W County BARTON State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 3,601 ft. to 3,609 ft. Total Depth 3,609 ft.
Packer Depth 3,596 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,601 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,589 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3,606 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.4 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 3,454 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 8 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: GOOD 3" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 1/2 MIN (Sbbbb)
2nd Open: FAIR 1 1/2" BLOW INCREASING TO BOTTOM OF BUCKET IN 8 MIN (Sbbbb)

Recovered 1,750 ft. of GAS IN PIPE
Recovered 315 ft. of CLEAN OIL 35 GRAVITY @ 60 deg.
Recovered 15 ft. of SLTW&CMGO 3% GAS, 95% OIL, 1% WTR, 1% MUD
Recovered 61 ft. of SLTW&GO 3% GAS, 95% OIL, 2% WTR
Recovered 60 ft. of M&WCGO 32% GAS, 43% OIL, 14% WTR, 11% MUD
Recovered 451 ft. of TOTAL FLUID CHLORIDES 15,000 Ppm
Remarks: PH: 8.0 RW: .35 @ 94 deg.

TOOL SAMPLE: 99% OIL, 1% WTR Price Job _____
Other Charges _____
Insurance _____
Total _____

Time Set Packer(s) 12:50 P.M. A.M. _____ P.M. _____ Time Started Off Bottom 3:35 P.M. A.M. _____ P.M. _____ Maximum Temperature 117

Initial Hydrostatic Pressure..... (A) 1,773 P.S.I.
Initial Flow Period..... Minutes 30 (B) 43 P.S.I. to (C) 99 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 643 P.S.I.
Final Flow Period..... Minutes 45 (E) 112 P.S.I. to (F) 158 P.S.I.
Final Closed In Period..... Minutes 60 (G) 569 P.S.I.
Final Hydrostatic Pressure..... (H) 1,771 P.S.I.

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

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	ROGER D. FRIEDLY
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	HOELSCHER #2-1	Report Date	2011/07/04
Unique Well ID	DST #5 ARBUCKLE 3,609' - 3,620'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 1-19S-15W BARTON COUNTY, KS	Qualified By	JOSH AUSTIN
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DST #5 ARBUCKLE 3,609' - 3,620'		
Well Fluid Type	01 Oil		
Start Test Date	2011/07/03	Start Test Time	22:30:00
Final Test Date	2011/07/04	Final Test Time	04:19:00

Test Recovery:

RECOVERED: 60' GAS IN PIPE
91' CLEAN OIL 34 GRAVITY @ 60 deg.
30' G&OCWM 12% GAS, 18% OIL, 25% WTR, 45% MUD
121' TOTAL FLUID

TOOL SAMPLE: 90% OIL, 5% WTR, 5% MUD

CHLORIDES: 17,500 Ppm
PH: 8.0
RW: .45 @ 68 deg.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOELSCHER21DST5

TIME ON: 22:30 (7.03)
TIME OFF: 04:19 (7.04)

Company L.D. DRILLING, INC. Lease & Well No. HOELSCHER #2-1
Contractor PETROMARK RIG #2 Charge to L.D. DRILLING, INC.
Elevation 1,982' KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
Date 07.03.11 Sec. 1 Twp. 19 S Range 15 W County BARTON State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 5 Interval Tested from 3,609 ft. to 3,620 ft. Total Depth 3,620 ft.
Packer Depth 3,604 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,609 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,597 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3,617 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 80 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.4 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 3,462 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 11 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO 8" (NObb)
2nd Open: WEAK 1/2" BLOW INCREASING TO 6" (NObb)

Recovered 60 ft. of GAS IN PIPE
Recovered 91 ft. of CLEAN OIL 34 GRAVITY @ 60 deg.
Recovered 30 ft. of G&OCWM 12% GAS, 18% OIL, 25% WTR, 45% MUD
Recovered 121 ft. of TOTAL FLUID CHLORIDES 17,500 Ppm

Recovered _____ ft. of _____	PH 8.0	Price Job
Recovered _____ ft. of _____	RW .45 @ 68 deg.	Other Charges
Remarks: _____		Insurance

TOOL SAMPLE: 90% OIL, 5% WTR, 5% MUD Total

Time Set Packer(s) 12:22 A.M. P.M. Time Started Off Bottom 2:22 A.M. P.M. Maximum Temperature 112

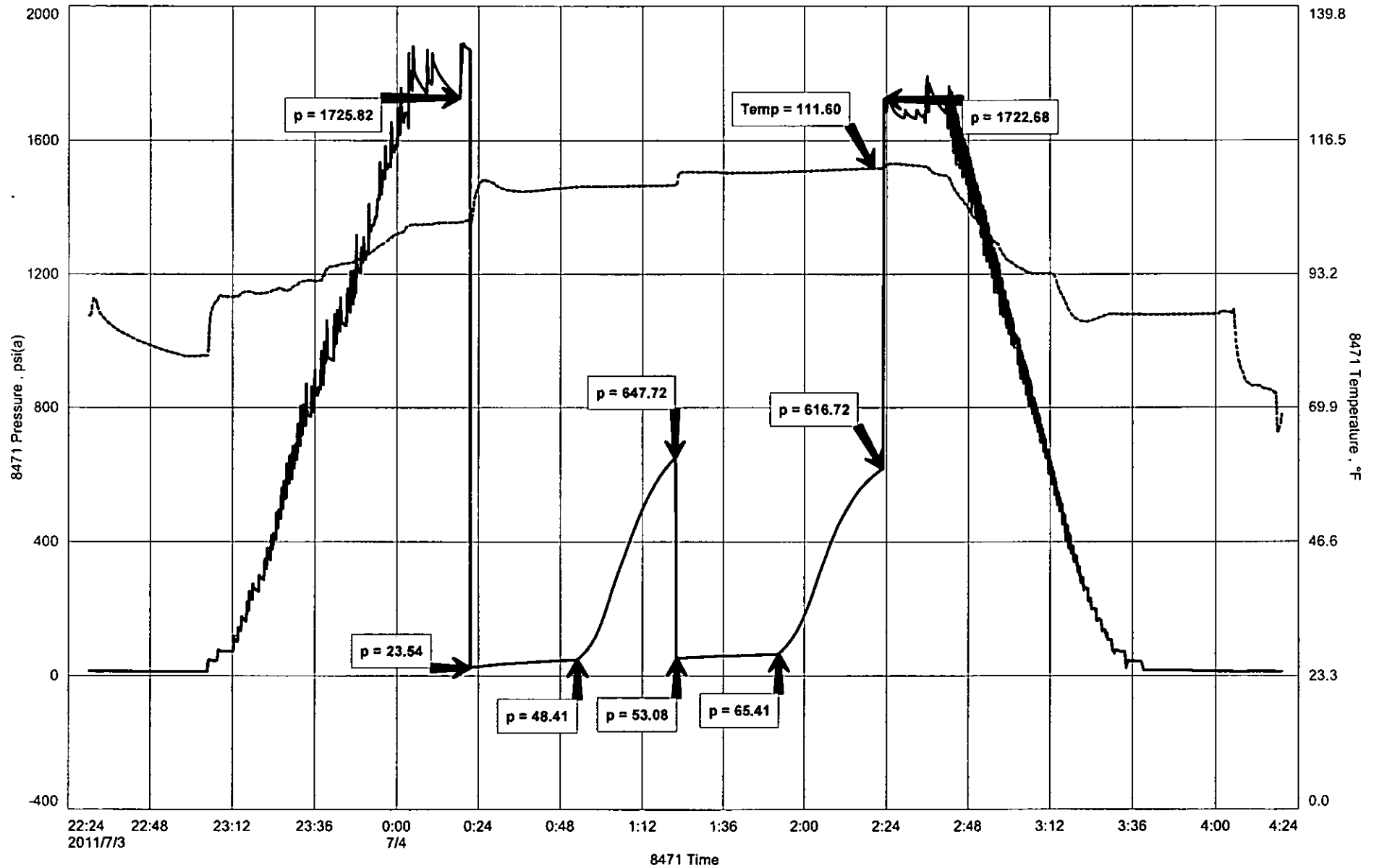
Initial Hydrostatic Pressure..... (A) 1,726 P.S.I.
Initial Flow Period..... Minutes 30 (B) 24 P.S.I. to (C) 48 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 648 P.S.I.
Final Flow Period..... Minutes 30 (E) 53 P.S.I. to (F) 65 P.S.I.
Final Closed In Period..... Minutes 30 (G) 617 P.S.I.
Final Hydrostatic Pressure..... (H) 1,723 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 ARBUCKLE 3,609' - 3,620'
Start Test Date: 2011/07/03
Final Test Date: 2011/07/04

HOELSCHER #2-1
Formation: DST #5 ARBUCKLE 3,609' - 3,620'
Pool: WILDCAT

HOELSCHER #2-1





James G. McGovern
Petroleum Products
P.O. Box 18 • Tulsa, OK 74101
Phone: 587-2444

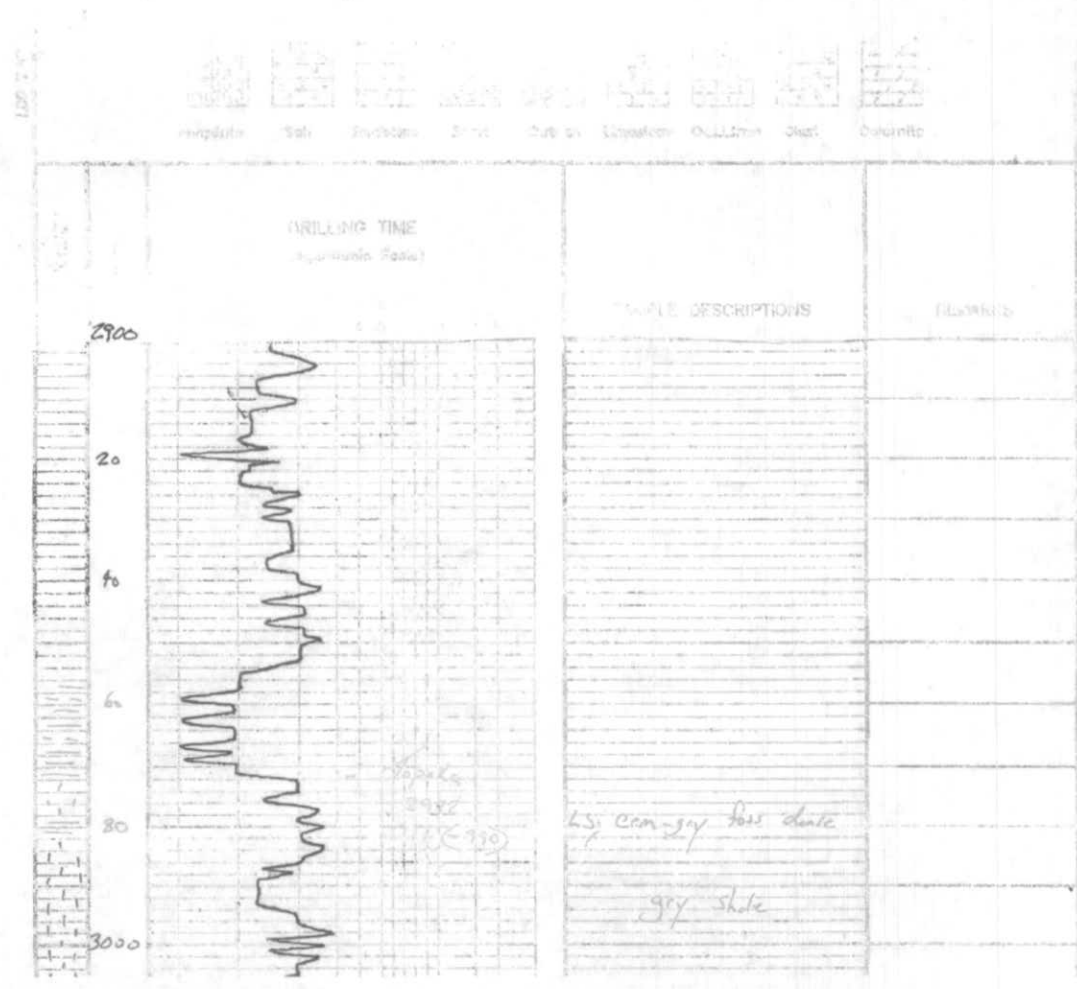
GEOLOGIST'S REPORT

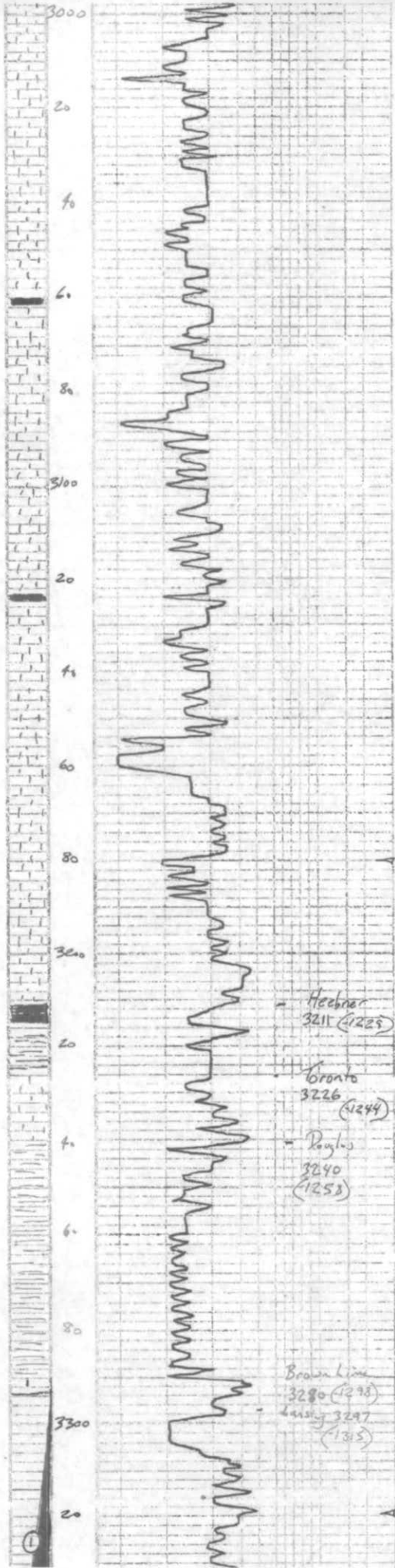
DRILLING TIME AND SAMPLE LOG

COMPANY: LD Drilling, Inc.
 CLIENT: Hoelscher #2-1
 OPERATOR: Otis-Albert
 LOCATION: Nw-30-Nw-30 (830' x 1/2' 200' ROW)
 SEC: 1 TWP: 19 RGE: 15
 COUNTY: Barton STATE: Kansas
 OPERATOR: Petroleum Drilling (Rig #2)
 DATE: 06-27-2011 CORP: 07-04-2011
 WELL NO: 2790 DEPTH: 3693
 TYPE: Oilfield
 BY LOG: Tom Calkins
 CHECKED: Dickson Swain
 DATE: 8/8/11 @ 9:51
 WELL NO: 2790 DEPTH: 3693
 TYPE: Oilfield
 BY LOG: Tom Calkins
 CHECKED: Dickson Swain
 DATE: 8/8/11 @ 9:51

5 1/2" production casing was set and cemented.

Respectfully submitted,
 Joshua R. Austin, Ph.D. M.S. M.P.
 Petroleum Geologist





45; con. tan. grey fine
foss in part fine shaly
1/5

45; grey - tan fine chert
silty fine sh in part

blk carb shale
+ soft grey sh.

45; con. fine cherty

grey - tan - green shale

45; con. tan fine cherty shaly

45; con. shaly green fine part
shaly 1/5

blk carb sh.

45; grey fine fossiliferous
+ grey fine shaly

45; con. grey fossiliferous
Sub con. shaly - 1/2
fine sh. 1/2

45; con. con. con. fossiliferous
con. sh. (brown)

45; grey - con. fine cherty (2/3)

blk carb shale
grey - tan sh.

45; con. con. fine cherty

shaly grey - greyish green
silty in part

grey - greyish green con.
silty

45; buff - tan fine shale

45; con. con. con. shaly cherty
fossiliferous (brown)

45; fine grey - con. to tan. con. sh.
fine to shaly - 1/2 shaly sh.

45; grey - tan fine sh. fine

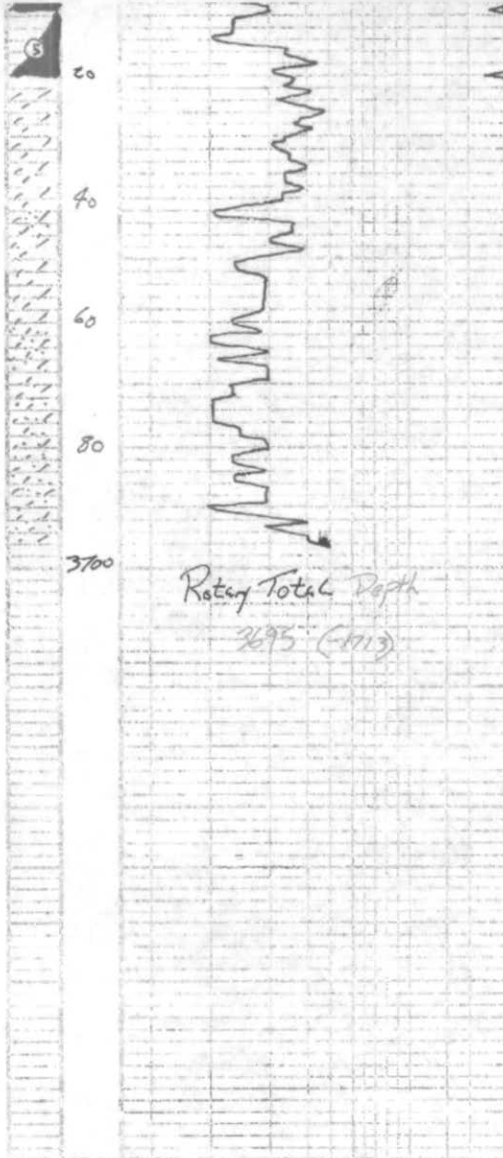
Hecker
3211 (1225)

Oronto
3226 (1244)

Roughs
3240 (1253)

Brown Line
3280 (1298)
Lansing 3297 (1315)

DIST #1 3298-3365
Blow. fine - good 0.85 in hole
fine 0.85 in 9 min
No blow back
Revised 7/4/51



(2) 1/2" 2" 1/2" 3" 4" 5" 6" 7" 8" 9" 10" 11" 12" 13" 14" 15" 16" 17" 18" 19" 20" 21" 22" 23" 24" 25" 26" 27" 28" 29" 30" 31" 32" 33" 34" 35" 36" 37" 38" 39" 40" 41" 42" 43" 44" 45" 46" 47" 48" 49" 50" 51" 52" 53" 54" 55" 56" 57" 58" 59" 60" 61" 62" 63" 64" 65" 66" 67" 68" 69" 70" 71" 72" 73" 74" 75" 76" 77" 78" 79" 80" 81" 82" 83" 84" 85" 86" 87" 88" 89" 90" 91" 92" 93" 94" 95" 96" 97" 98" 99" 100" 101" 102" 103" 104" 105" 106" 107" 108" 109" 110" 111" 112" 113" 114" 115" 116" 117" 118" 119" 120" 121" 122" 123" 124" 125" 126" 127" 128" 129" 130" 131" 132" 133" 134" 135" 136" 137" 138" 139" 140" 141" 142" 143" 144" 145" 146" 147" 148" 149" 150" 151" 152" 153" 154" 155" 156" 157" 158" 159" 160" 161" 162" 163" 164" 165" 166" 167" 168" 169" 170" 171" 172" 173" 174" 175" 176" 177" 178" 179" 180" 181" 182" 183" 184" 185" 186" 187" 188" 189" 190" 191" 192" 193" 194" 195" 196" 197" 198" 199" 200" 201" 202" 203" 204" 205" 206" 207" 208" 209" 210" 211" 212" 213" 214" 215" 216" 217" 218" 219" 220" 221" 222" 223" 224" 225" 226" 227" 228" 229" 230" 231" 232" 233" 234" 235" 236" 237" 238" 239" 240" 241" 242" 243" 244" 245" 246" 247" 248" 249" 250" 251" 252" 253" 254" 255" 256" 257" 258" 259" 260" 261" 262" 263" 264" 265" 266" 267" 268" 269" 270" 271" 272" 273" 274" 275" 276" 277" 278" 279" 280" 281" 282" 283" 284" 285" 286" 287" 288" 289" 290" 291" 292" 293" 294" 295" 296" 297" 298" 299" 300" 301" 302" 303" 304" 305" 306" 307" 308" 309" 310" 311" 312" 313" 314" 315" 316" 317" 318" 319" 320" 321" 322" 323" 324" 325" 326" 327" 328" 329" 330" 331" 332" 333" 334" 335" 336" 337" 338" 339" 340" 341" 342" 343" 344" 345" 346" 347" 348" 349" 350" 351" 352" 353" 354" 355" 356" 357" 358" 359" 360" 361" 362" 363" 364" 365" 366" 367" 368" 369" 370" 371" 372" 373" 374" 375" 376" 377" 378" 379" 380" 381" 382" 383" 384" 385" 386" 387" 388" 389" 390" 391" 392" 393" 394" 395" 396" 397" 398" 399" 400" 401" 402" 403" 404" 405" 406" 407" 408" 409" 410" 411" 412" 413" 414" 415" 416" 417" 418" 419" 420" 421" 422" 423" 424" 425" 426" 427" 428" 429" 430" 431" 432" 433" 434" 435" 436" 437" 438" 439" 440" 441" 442" 443" 444" 445" 446" 447" 448" 449" 450" 451" 452" 453" 454" 455" 456" 457" 458" 459" 460" 461" 462" 463" 464" 465" 466" 467" 468" 469" 470" 471" 472" 473" 474" 475" 476" 477" 478" 479" 480" 481" 482" 483" 484" 485" 486" 487" 488" 489" 490" 491" 492" 493" 494" 495" 496" 497" 498" 499" 500" 501" 502" 503" 504" 505" 506" 507" 508" 509" 510" 511" 512" 513" 514" 515" 516" 517" 518" 519" 520" 521" 522" 523" 524" 525" 526" 527" 528" 529" 530" 531" 532" 533" 534" 535" 536" 537" 538" 539" 540" 541" 542" 543" 544" 545" 546" 547" 548" 549" 550" 551" 552" 553" 554" 555" 556" 557" 558" 559" 560" 561" 562" 563" 564" 565" 566" 567" 568" 569" 570" 571" 572" 573" 574" 575" 576" 577" 578" 579" 580" 581" 582" 583" 584" 585" 586" 587" 588" 589" 590" 591" 592" 593" 594" 595" 596" 597" 598" 599" 600" 601" 602" 603" 604" 605" 606" 607" 608" 609" 610" 611" 612" 613" 614" 615" 616" 617" 618" 619" 620" 621" 622" 623" 624" 625" 626" 627" 628" 629" 630" 631" 632" 633" 634" 635" 636" 637" 638" 639" 640" 641" 642" 643" 644" 645" 646" 647" 648" 649" 650" 651" 652" 653" 654" 655" 656" 657" 658" 659" 660" 661" 662" 663" 664" 665" 666" 667" 668" 669" 670" 671" 672" 673" 674" 675" 676" 677" 678" 679" 680" 681" 682" 683" 684" 685" 686" 687" 688" 689" 690" 691" 692" 693" 694" 695" 696" 697" 698" 699" 700" 701" 702" 703" 704" 705" 706" 707" 708" 709" 710" 711" 712" 713" 714" 715" 716" 717" 718" 719" 720" 721" 722" 723" 724" 725" 726" 727" 728" 729" 730" 731" 732" 733" 734" 735" 736" 737" 738" 739" 740" 741" 742" 743" 744" 745" 746" 747" 748" 749" 750" 751" 752" 753" 754" 755" 756" 757" 758" 759" 760" 761" 762" 763" 764" 765" 766" 767" 768" 769" 770" 771" 772" 773" 774" 775" 776" 777" 778" 779" 780" 781" 782" 783" 784" 785" 786" 787" 788" 789" 790" 791" 792" 793" 794" 795" 796" 797" 798" 799" 800" 801" 802" 803" 804" 805" 806" 807" 808" 809" 810" 811" 812" 813" 814" 815" 816" 817" 818" 819" 820" 821" 822" 823" 824" 825" 826" 827" 828" 829" 830" 831" 832" 833" 834" 835" 836" 837" 838" 839" 840" 841" 842" 843" 844" 845" 846" 847" 848" 849" 850" 851" 852" 853" 854" 855" 856" 857" 858" 859" 860" 861" 862" 863" 864" 865" 866" 867" 868" 869" 870" 871" 872" 873" 874" 875" 876" 877" 878" 879" 880" 881" 882" 883" 884" 885" 886" 887" 888" 889" 890" 891" 892" 893" 894" 895" 896" 897" 898" 899" 900" 901" 902" 903" 904" 905" 906" 907" 908" 909" 910" 911" 912" 913" 914" 915" 916" 917" 918" 919" 920" 921" 922" 923" 924" 925" 926" 927" 928" 929" 930" 931" 932" 933" 934" 935" 936" 937" 938" 939" 940" 941" 942" 943" 944" 945" 946" 947" 948" 949" 950" 951" 952" 953" 954" 955" 956" 957" 958" 959" 960" 961" 962" 963" 964" 965" 966" 967" 968" 969" 970" 971" 972" 973" 974" 975" 976" 977" 978" 979" 980" 981" 982" 983" 984" 985" 986" 987" 988" 989" 990" 991" 992" 993" 994" 995" 996" 997" 998" 999" 1000"