



KANSAS CORPORATION COMMISSION 1088925
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: NA

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 #: _____

06/09/2012	06/14/2012	06/14/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23732-00-00
Spot Description: _____
SE NW NE NE Sec. 4 Twp. 22 S. R. 12 East West
385 Feet from North / South Line of Section
745 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stafford
Lease Name: HAROLD Well #: 1-4
Field Name: GERMAN VALLEY
Producing Formation: NA
Elevation: Ground: 1859 Kelly Bushing: 1860
Total Depth: 3642 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 327 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: 12000 ppm Fluid volume: 640 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: L. D. DRILLING, INC
Lease Name: DAVIS RANCH OWWD License #: 6039
Quarter NW Sec. 4 Twp. 22 S. R. 12 East West
County: STAFFORD Permit #: D30736

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 Garriso Date: 08/02/2012



1088925

Operator Name: L. D. Drilling, Inc. Lease Name: HAROLD Well #: 1-4
 Sec. 4 Twp. 22 S. R. 12 East West County: Stafford

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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	327	A CON BLEND	175	
SURFACE	12.25	8.625	24	327	COMMON	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HAROLD 1-4
Doc ID	1088925

Tops

NAME	Depth	Depth
ANHYDRITE	644	+1217
HEEBNER	3142	-1281
BROWN LIME	3275	-1414
LANSING	3288	-1427
BASE KANSAS CITY	3513	-1652
VIOLA	3529	-1668
SIMPSON	3577	-1716
ARBUCKLE	3635	-1774



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

114477271
FIELD SERVICE TICKET

1718 06275 A

DATE _____ TICKET NO. _____

DATE OF JOB: 6-8-2012	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: LD DRILLING		LEASE: HAROLD	WELL NO. 1-4						
ADDRESS		COUNTY: STAFFORD	STATE: KS						
CITY	STATE	SERVICE CREW: LESLEY, MARQUEZ, PIERSON							
AUTHORIZED BY	JOB TYPE: PNW-8 5/8" S.P.								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37546	3						6-8-12	AM	7:00
19989-19913	3					ARRIVED AT JOB		AM	8:45
19959-19962	3					START OPERATION		AM	9:45
						FINISH OPERATION		AM	10:30
						RELEASED		AM	11:45
						MILES FROM STATION TO WELL			45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	H-CONCRETE	SK	175		3,150.00
CP 100C	COMMON CEMENT	SK	175		2,900.00
CC 102	CELL-FLAKE	LB	88		325.60
CC 109	CALCIUM CHLORIDE	LB	825		866.25
CF 153	WOODEN CMT. PLUG 8 5/8"	EA	1		160.00
E 100	PICKUP MILEAGE	MI	45		191.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	90		630.00
E 113	BULK DELIVERY CHARGE	TW	743		1,788.00
CE 200	DEPTH CHARGE 0-500'	HR	1-4		1,000.00
CE 240	BLENDING SERVICE CHARGE	SK	350		490.00
CE 504	PLUG CONTAINER CHARGE	JOB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL: 2,868.00
DLS 2,868.00

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: *[Signature]*
FIELD SERVICE ORDER NO. _____
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer LD DRILLING	Lease No.	Date 6-8-2012
Lease HAROLD	Well # 1-4	
Field Order #	Station	Casing 5 7/8" Depth
Type Job	Formation TD-333	County STAFFORD State KS
		Legal Description 4-22-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 7/8" X 24"							5 Min.	
Depth 333'	Depth	From	To	Pre Pad	Max		10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection P.L.	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush JOBBL	Gas Volume			

Customer Representative **LD DAVIS** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	37596	19829	19843	19959	19960				
Driver Names	LESLEY	MARQUEZ	PIERSON						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00 PM					ON LOCATION - SAFETY MEETING
9:45 PM					RUN 4 5/8" X 24" CSG.
10:00 PM					CSG. ON BOTTOM
10:18 PM	300		5	10	H2O AHEAD
10:19 PM	300		66	6	MIX 175SKS. A-CON @ 12.6 PPG
10:30 PM	300		37	6	MIX 175SKS. COMMON @ 15.6 PPG
10:36 PM					SHUT DOWN - RELEASE PLUG
10:39 PM			0	5	START DISPLACEMENT
10:42 PM	150		15	3	SLOW RATE
10:45 PM	200		20	2	PLUG DOWN - CLOSED IN @ HEAD
					CIRC. THRU JOB
					CIRC. 10BBL TO PIT
					JOB COMPLETE,
					THANKS -
					K. LESLEY

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>L.D. Drilling</i>	Lease No.	Date <i>6-14-12</i>
Lease <i>Hospital</i>	Well # <i>1-11</i>	
Field Order # <i>60147</i>	Station <i>Pratt</i>	Casing
Type Job <i>PTA-CNW</i>	Formation	Depth
		County <i>Wagon Wheel</i>
		State <i>KS</i>
		Legal Description <i>4-22-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
				<i>60/40%</i>				5 Min.
Depth	Depth	From	To	Pre Pad	Max			10 Min.
Volume	Volume	From	To	Pad	Min			15 Min.
Max Press	Max Press	From	To	Frac	Avg			
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative <i>J.M.</i>	Station Manager <i>Dave Scott</i>	Treater <i>Steve Underwood</i>
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Service Units	<i>27273</i>	<i>27463</i>	<i>17831/17862</i>						
Driver Names	<i>Michael</i>	<i>Pratt</i>							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1:30 PM</i>					<i>Orientation - Safety Meeting</i>
			<i>1st Plug @</i>	<i>3641 w/50stk 60/40%</i>	
	<i>300</i>		<i>30</i>	<i>4</i>	<i>H2O</i>
	<i>200</i>		<i>12.7</i>	<i>4</i>	<i>Mix @ 13.8#/gal</i>
	<i>100</i>		<i>14</i>	<i>4</i>	<i>H2O Displacement</i>
<i>2:30 PM</i>	<i>150</i>		<i>31</i>	<i>11</i>	<i>Mud Displacement</i>
			<i>2nd Plug @</i>	<i>620' w/50stk 60/40%</i>	
	<i>100</i>		<i>10</i>	<i>4</i>	<i>H2O</i>
	<i>100</i>		<i>12.7</i>	<i>4</i>	<i>Mix @</i>
	<i>50</i>		<i>3</i>	<i>4</i>	<i>H2O Displacement</i>
<i>3:30</i>	<i>30</i>		<i>5</i>	<i>11</i>	<i>Mud Displacement</i>
			<i>3rd Plug @</i>	<i>360 w 60/40%</i>	
	<i>100</i>		<i>5</i>	<i>4</i>	<i>H2O</i>
	<i>50</i>		<i>14</i>	<i>4</i>	<i>Mix @ 13.8#/gal</i>
<i>4:00</i>	<i>5</i>		<i>17</i>	<i>4</i>	<i>H2O Displacement</i>
			<i>4th Plug @</i>	<i>60' w 20stk</i>	
<i>4:20</i>	<i>0</i>		<i>6</i>	<i>3</i>	<i>Mix @ 13.3#/gal</i>
<i>4:30</i>	<i>0</i>		<i>6</i>	<i>3</i>	<i>Plug Kill w/20stk</i>
					<i>Job Complete</i>
					<i>Thank Steve</i>

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: HAROLD 1-4

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S4/22S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1154

Test Unit:

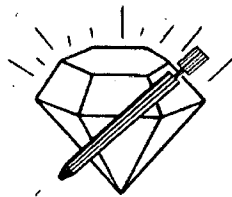
Start Date: 2012/06/12 Start Time: 05:00:00

End Date: 2012/06/12 End Time: 11:30:00

Report Date: 2012/06/12 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 250' GAS IN PIPE, 60' SLIGHTLY GAS CUT MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Harold1-4dst1

TIME ON: 05:00 6/12/12

TIME OFF: 11:30 6/12/12

Company L D DRILLING INC. Lease & Well No. HAROLD 1-4
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC.
Elevation 1861 K.B Formation LANS "B-F" Effective Pay _____ Ft. Ticket No. D1154
Date 6/12/12 Sec. 4 Twp. 22 S Range 12 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3304 ft. to 3370 ft. Total Depth 3370 ft.
Packer Depth 3299 ft. Size 6 3/4 in. Packer depth 4170 ft. Size 6 3/4 in.
Packer Depth 3304 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3307 ft. Recorder Number 30046 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3367 ft. Recorder Number 11073 Cap. 4,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 53 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3282 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 66 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 10 MIN.) NO BB
2nd Open: STRONG (B.O.B 9 MIN.) NO BB

Recovered 250 ft. of GAS IN PIPE
Recovered 60 ft. of SLGCM (10%GAS 90%MUD)
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 60' IN DRILL COLLARS</u>	Insurance
	Total

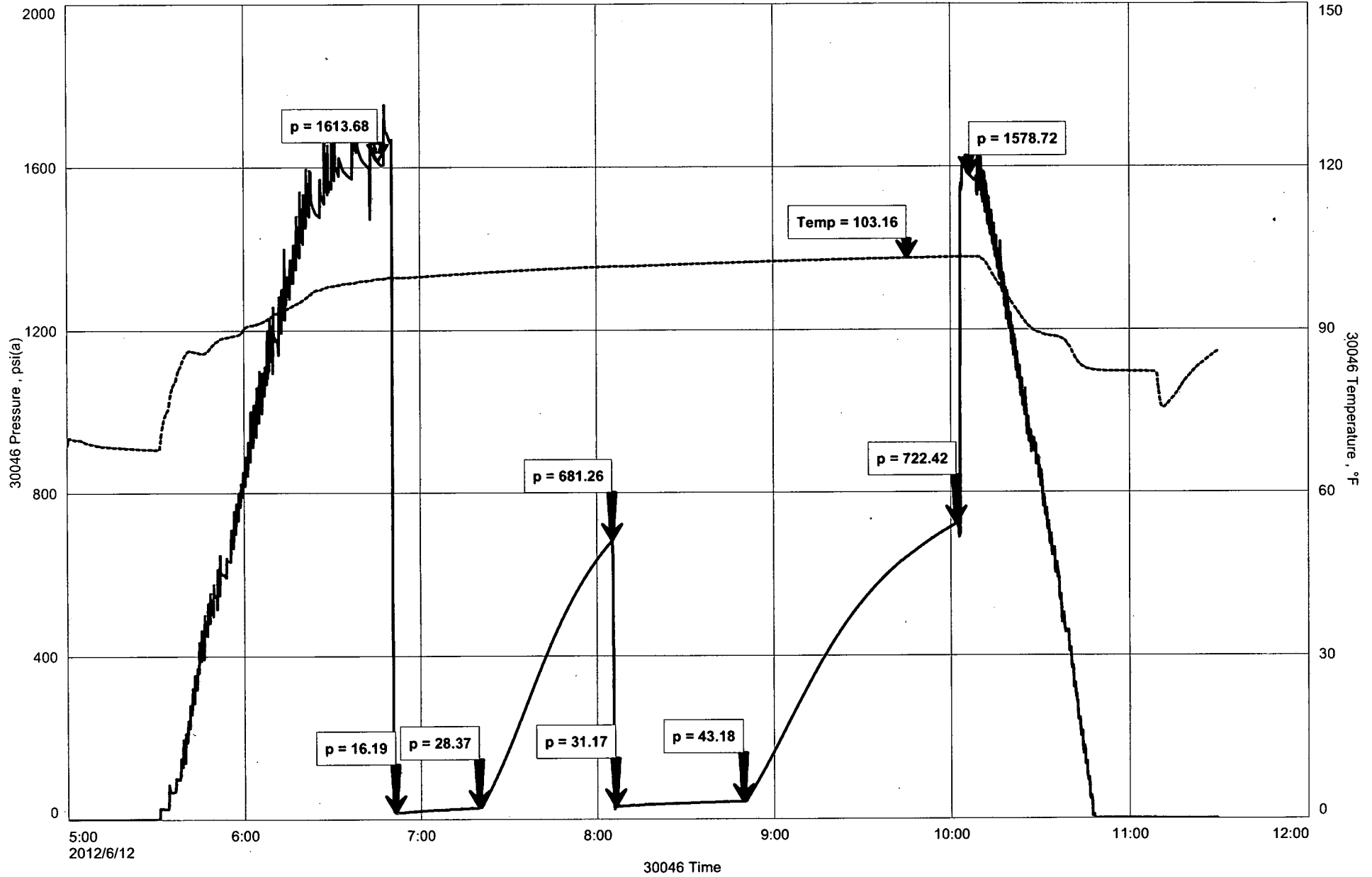
Time Set Packer(s) 6:50 A.M A.M. Time Started Off Bottom 9:50 A.M A.M. Maximum Temperature 103
Initial Hydrostatic Pressure..... (A) 1614 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 28 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 681 P.S.I.
Final Flow Period..... Minutes 45 (E) 31 P.S.I. to (F) 43 P.S.I.
Final Closed In Period..... Minutes 60 (G) 722 P.S.I.
Final Hydrostatic Pressure..... (H) 1579 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
Start Test Date: 2012/06/12
Final Test Date: 2012/06/12

HAROLD 1-4
Formation: LANS B-F DST #1
Job Number: D1154

HAROLD 1-4



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: HAROLD 1-4

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S4/22S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1155

Test Unit:

Start Date: 2012/06/12 Start Time: 20:00:00

End Date: 2012/05/13 End Time: 04:20:00

Report Date: 2012/06/13 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

Remarks:

RECOVERY: 60' GAS IN PIPE, 60' SLIGHTLY GAS+OIL CUT MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Harold1-4dst2

TIME ON: 22:00 6/12/12
TIME OFF: 04:20 6/13/12

Company L D DRILLING INC. Lease & Well No. HAROLD 1-4
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC.
Elevation 1861 K.B Formation LANS "H-K" Effective Pay _____ Ft. Ticket No. D1155
Date 6/12/12 Sec. 4 Twp. _____ 22 S Range _____ 12 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3404 ft. to 3487 ft. Total Depth 3487 ft.
Packer Depth 3399 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3404 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3407 ft. Recorder Number 30046 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3484 ft. Recorder Number 11073 Cap. 4,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10,000 P.P.M. Drill Pipe Length 3282 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 83 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 29 MIN.) NO BB
2nd Open: STRONG (B.O.B 12 MIN.) NO BB

Recovered 60 ft. of GIP
Recovered 60 ft. of GAS+OIL CUT MUD (5%GAS 5%OIL 90%MUD)
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 60' IN DRILL COLLARS</u>	Insurance
_____	Total

Time Set Packer(s) 11:30 P.M. A.M. P.M. Time Started Off Bottom 2:30 A.M. A.M. P.M. Maximum Temperature 102

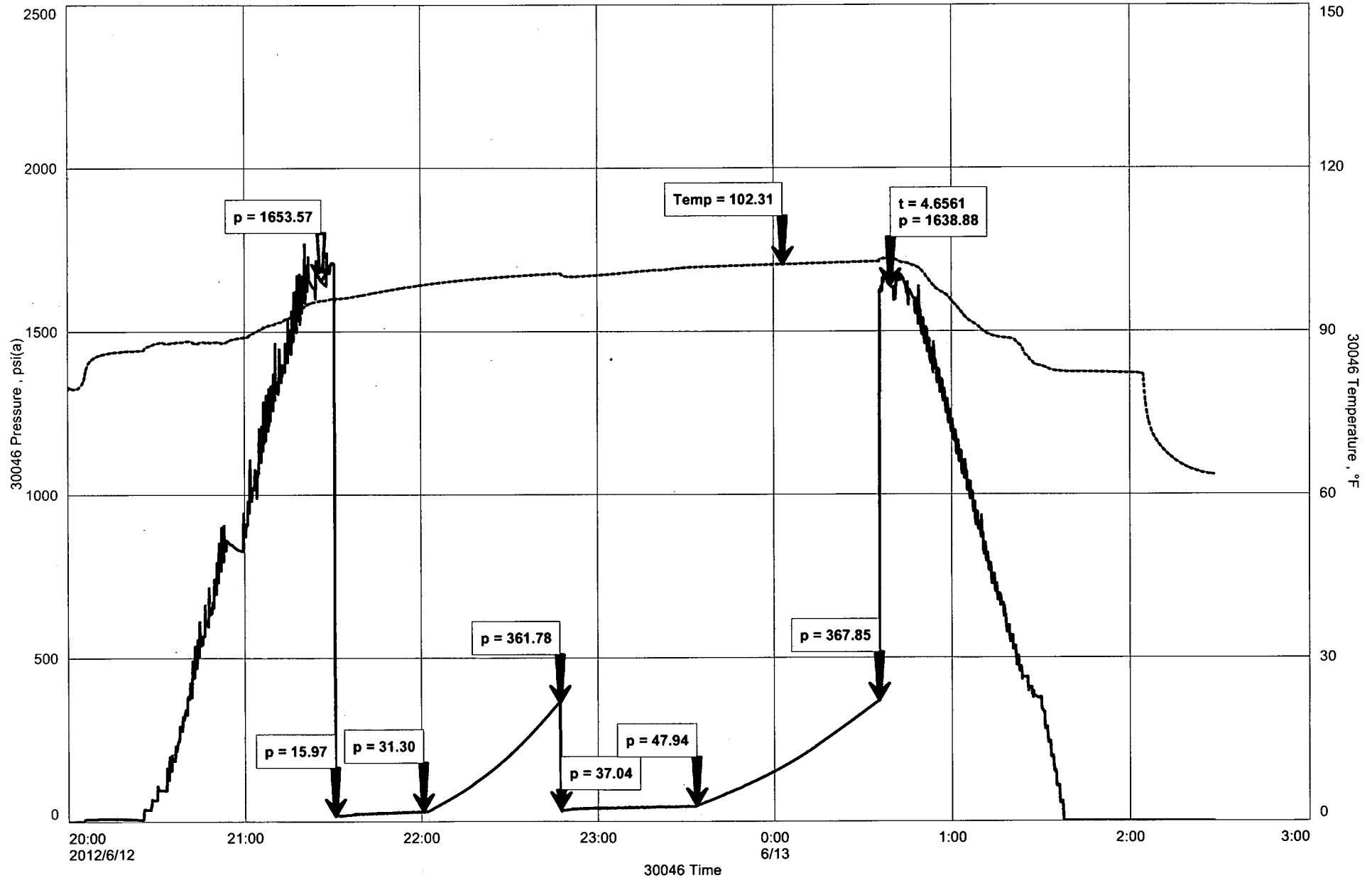
Initial Hydrostatic Pressure..... (A) 1654 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 362 P.S.I.
Final Flow Period..... Minutes 45 (E) 37 P.S.I. to (F) 48 P.S.I.
Final Closed In Period..... Minutes 60 (G) 368 P.S.I.
Final Hydrostatic Pressure..... (H) 1639 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
Start Test Date: 2012/06/12
Final Test Date: 2012/05/13

HAROLD 1-4
Formation: DST #2 LKC "H-K"
Job Number: D1155

HAROLD 1-4



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: HAROLD 1-4

Operator: L D DAVIS

Location-Downhole:

Location-Surface: S4/22S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1156

Test Unit:

Start Date: 2012/06/13 Start Time: 13:00:00

End Date: 2012/06/13 End Time: 20:00:00

Report Date: 2012/06/13 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

Remarks:

RECOVERY: 90' GAS IN PIPE, 30' SLIGHTLY GAS CUT MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Harold1-4ds3

TIME ON: 13:00 6/13/12

TIME OFF: 20:00 6/13/12

Company L D DRILLING INC. Lease & Well No. HAROLD 1-4
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC.
Elevation 1861 K.B Formation VIOLA Effective Pay _____ Ft. Ticket No. D1156
Date 6/13/12 Sec. 4 Twp. _____ 22 S Range _____ 12 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 3 Interval Tested from 3506 ft. to 3583 ft. Total Depth 3583 ft.

Packer Depth 3501 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3506 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3509 ft. Recorder Number 30046 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 3580 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

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

Mud Type CHEMICAL Viscosity 66 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 10.9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 11,000 P.P.M. Drill Pipe Length 3364 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 76 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD (5") NO BB

2nd Open: GOOD (5") NO BB

Recovered 90 ft. of GIP

Recovered 30 ft. of GCM (10%GAS 90%MUD)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: TOTAL FLUID RECOVERY: 30' IN DRILL COLLARS Insurance _____

_____ Total _____

Time Set Packer(s) 2:15 P.M ^{A.M.}/_{P.M.} Time Started Off Bottom 5:15 P.M ^{A.M.}/_{P.M.} Maximum Temperature 104

Initial Hydrostatic Pressure..... (A) 1729 P.S.I.

Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 29 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 112 P.S.I.

Final Flow Period..... Minutes 45 (E) 31 P.S.I. to (F) 39 P.S.I.

Final Closed In Period..... Minutes 60 (G) 112 P.S.I.

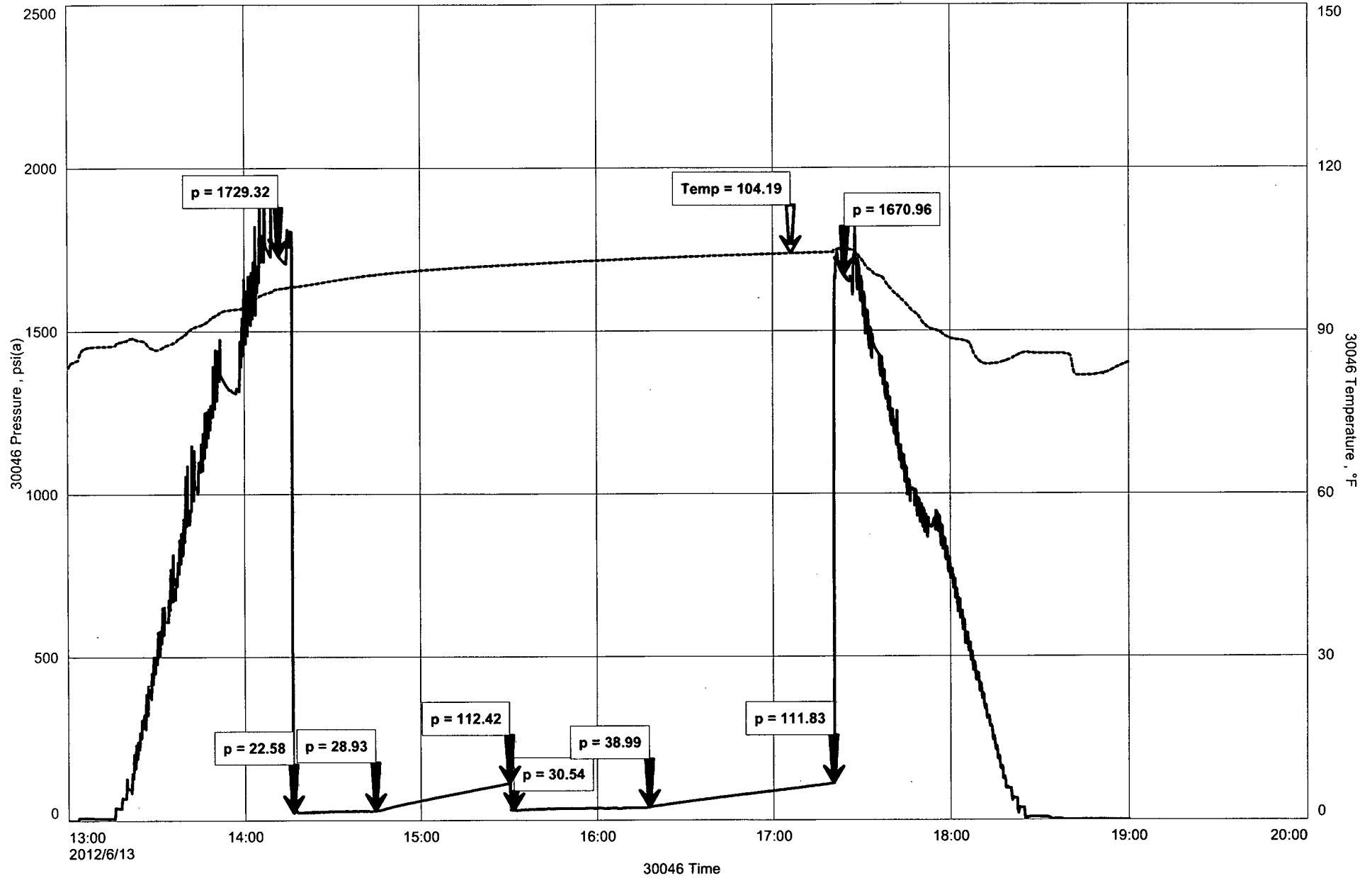
Final Hydrostatic Pressure..... (H) 1671 P.S.I.

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
Start Test Date: 2012/06/13
Final Test Date: 2012/06/13

HAROLD 1-4
Formation: DST #3 VIOLA
Job Number: D1156

HAROLD 1-4



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: HAROLD 1-4

Operator: L D DRILLING INC.

Location-Downhole:

Location-Surface: S4/22S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1157

Test Unit:

Start Date: 2012/06/14 Start Time: 03:00:00

End Date: 2012/06/14 End Time: 09:30:00

Report Date: 2012/06/14 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 370' GAS IN PIPE, 100' GAS+OIL CUT MUD, 180' MUDDY WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Harold1-4ds4

TIME ON: 03:00 6/14/12

TIME OFF: 09:30: 6/14/12

Company L D DRILLING INC. Lease & Well No. HAROLD 1-4
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC.
Elevation 1861 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1157
Date 6/14/12 Sec. 4 Twp. 22 S Range 12 W County STAFFORD State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 4 Interval Tested from 3574 ft. to 3641 ft. Total Depth 3641 ft.

Packer Depth 3569 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3574 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3577 ft. Recorder Number 30046 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 3638 ft. Recorder Number 11073 Cap. 4,000 P.S.I.

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

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 10.9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 12,000 P.P.M. Drill Pipe Length 3428 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 67 ft. Size 4 1/2-FH in

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

Blow: 1st Open: STRONG (B.O.B 25 MIN.) WEAK BB

2nd Open: STRONG (B.O.B 22 MIN.) FAIR BB

Recovered 370 ft. of GAS IN PIPE

Recovered 100 ft. of G+OCM (20%GAS 15%OIL 65%MUD)

Recovered 180 ft. of MW (30%MUD 70%WATER) CHLORIDES 20,000Ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: TOTAL FLUID RECOVERY: 280' (160' IN DRILL PIPE, 120' IN DRILL COLLARS) Insurance _____

_____ Total _____

Time Set Packer(s) 4:50 A.M A.M. P.M. Time Started Off Bottom 7:50 A.M A.M. P.M. Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1762 P.S.I.

Initial Flow Period..... Minutes 30 (B) 32 P.S.I. to (C) 96 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 938 P.S.I.

Final Flow Period..... Minutes 45 (E) 105 P.S.I. to (F) 149 P.S.I.

Final Closed In Period..... Minutes 60 (G) 938 P.S.I.

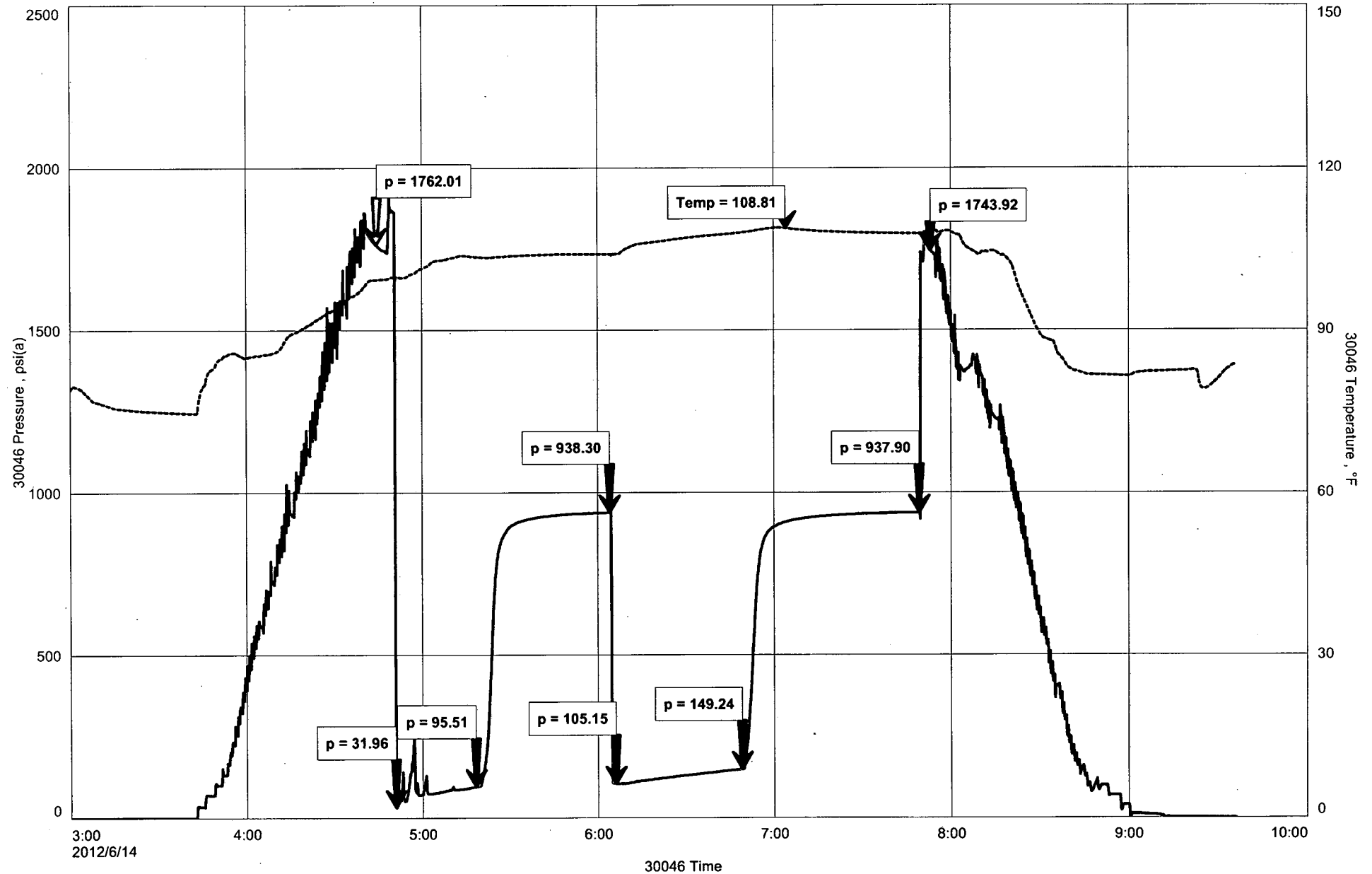
Final Hydrostatic Pressure..... (H) 1744 P.S.I.

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L D DRILLING INC
Start Test Date: 2012/06/14
Final Test Date: 2012/06/14

HAROLD 1-4
Formation: DST #4 ARBUCKLE
Job Number: D1157

HAROLD 1-4



KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>L. D. DRILLING, INC.</u>	ELEVATIONS
LEASE # <u>1-4 HAROLD</u>	KB <u>1861</u>
FIELD <u>GERMAN VALLEY</u>	DF _____
LOCATION <u>385' ENL & 745' FEL</u>	GL <u>1856</u>
SEC. <u>4</u> TWP. <u>22s</u> RGE. <u>12W</u>	Measurements Are All From <u>1861 KB</u>
COUNTY <u>STAFFORD STATE KANSAS</u>	
CONTRACTOR <u>PETROMARK DRILLING, RIG 2</u>	CASING SURFACE <u>8 5/8" @ 327'</u>
SPUD <u>6-8-12</u> COMP. <u>6-14-12</u>	PRODUCTION _____
RFD. <u>3642</u> LTD _____	ELECTRICAL SURVEYS <u>NONE</u>
MUD BF. <u>2800</u> TYPE MUD <u>CHEMICAL</u>	

SAMPLES SAVED FROM _____	3000 TO 3642
DRILLING TIME KEPT FROM _____	2800 TO 3642
SAMPLES EXAMINED FROM _____	3000 TO 3642
GEOLOGICAL SUPERVISION FROM _____	3200 TO 3642
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>	

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		644 - 1217
HEEBNER		3142 - 1281
BROWN LIME		3275 - 1414
LANSING		3288 - 1427
B/KC.		3513 - 1652
VIOLA		3529 - 1668
SIMPSON		3577 - 1716
ARBUCKLE		3635 - 1774

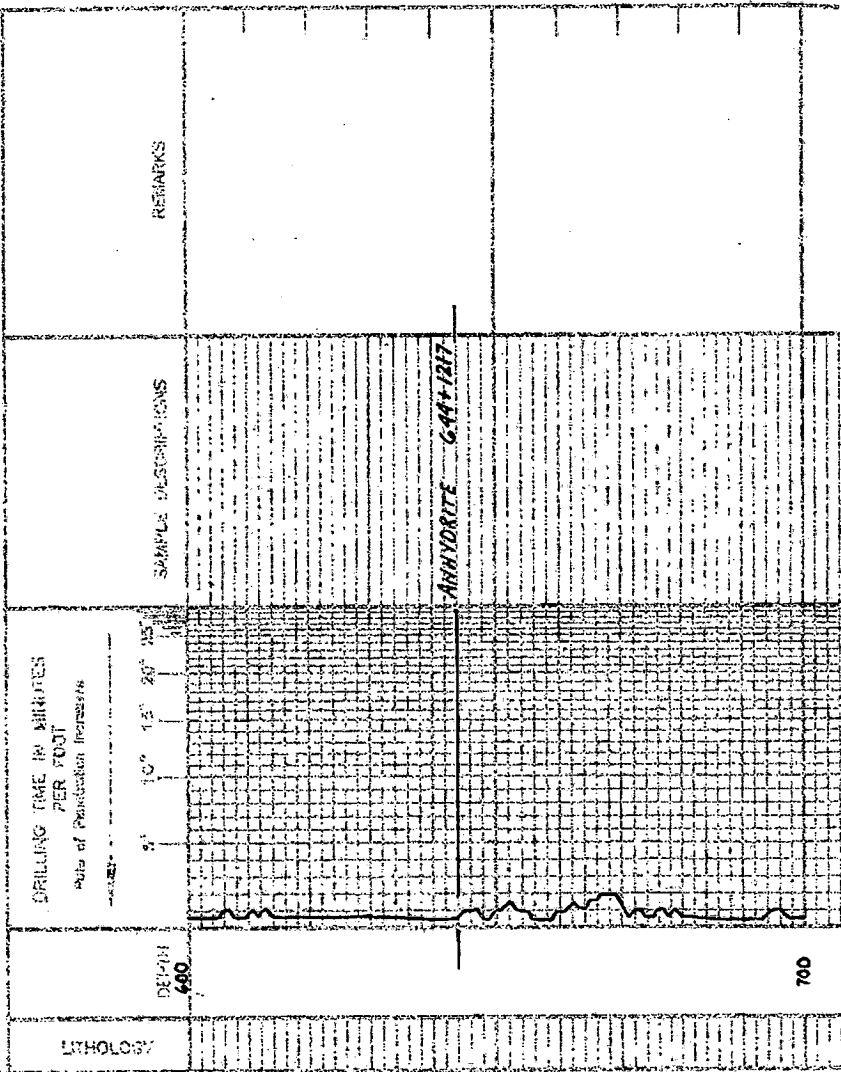


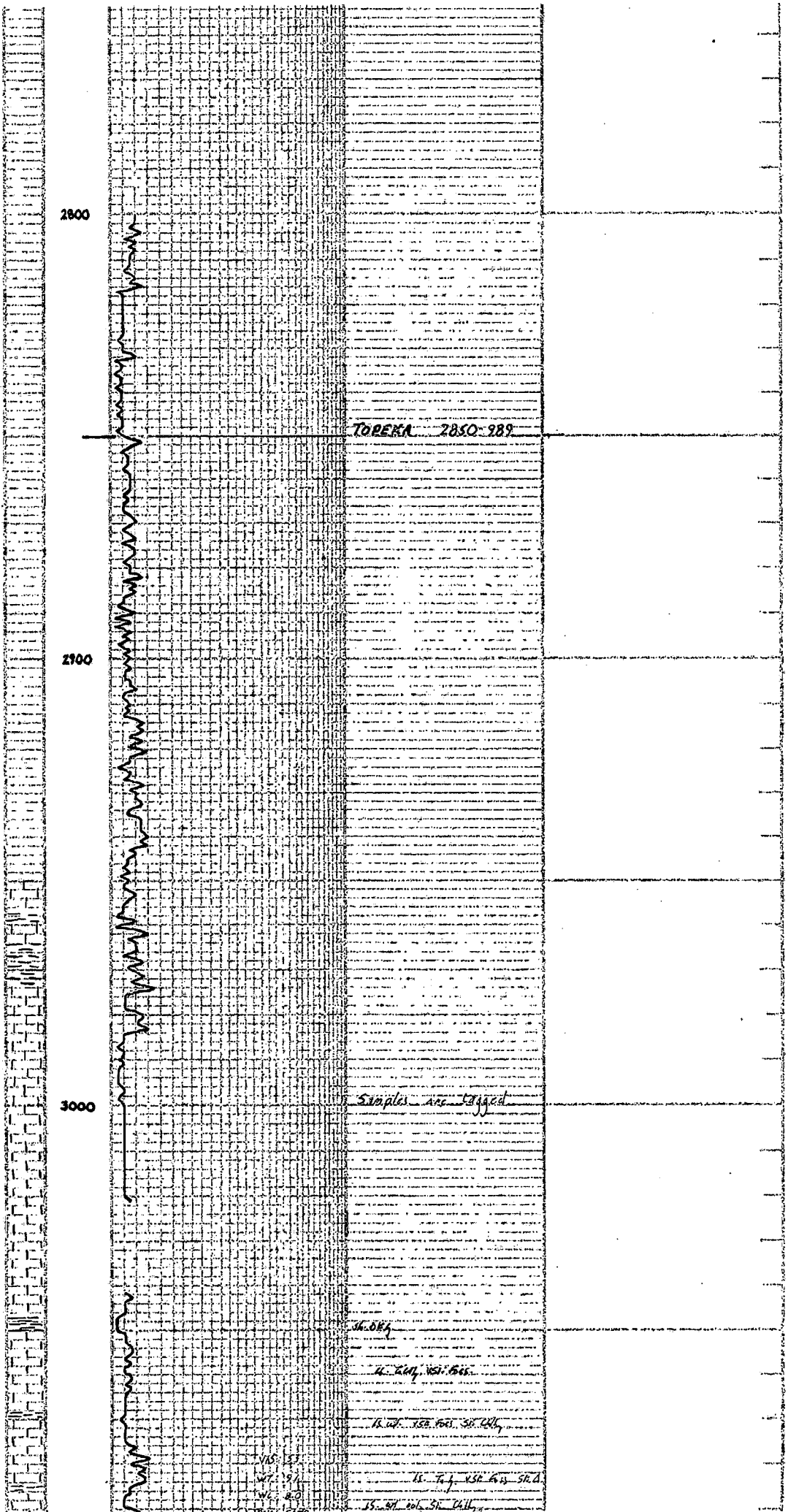
REMARKS: APRIL 15, 1985 23732

6-8-12 5000
 6-9 @ 331
 6-10 @ 2060
 6-11 @ 2177
 6-12 @ 3370
 6-13 @ 3492
 6-14 @ 3641

LEGEND

- Dolomite
- Chert
- Coal/Lime
- Limestone
- Sandstone
- Shale
- Salt
- Anhydrite





2800

TOBEKA 2850-289

2900

3000

Samples are tagged

36.08g

11. 20g, 15.1. 645

13. 10g, 15.1. 645, 50. 22g

15. 7g, 15.1. 645, 50. 22g

15. 5g, 10. 1. 1411

105
107
109

3100

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

HEESNER 3192-1281

Sh. 2160

TORONTO

15. 31' 00" 50' 5000

DOUGLAS

Sh. 2160

Sh. 2160

3200

Sh. 2160

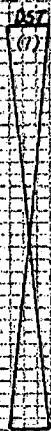
Sh. 2160

Sh. 2160

BROWN LIME 3275-1919

LANSING 3288-1927

3300



15. 31' 00" 50' 5000

Sh. 2160

15. 31' 00" 50' 5000

Sh. 2160

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

3400

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

15. 31' 00" 50' 5000

