



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1092308

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 ☐ 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 #: _____

08/06/2012 08/12/2012 08/12/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-009-25728-00-00

Spot Description: _____

S2 NE SE NE Sec. 6 Twp. 20 S. R. 15 ☐ East ☒ West

1900 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: MA-RO-DE Well #: 1-6

Field Name: _____

Producing Formation: NA

Elevation: Ground: 1983 Kelly Bushing: 1983

Total Depth: 3720 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 1017 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: 5000 ppm Fluid volume: 400 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: L. D. DRILLING, INC.

Lease Name: MERMIS License #: 6039

Quarter SE Sec. 24 Twp. 20 S. R. 15 ☐ East ☒ West

County: BARTON Permit #: D21526

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: 08/30/2012



1092308

Operator Name: L. D. Drilling, Inc. Lease Name: MA-RO-DE Well #: 1-6
 Sec. 6 Twp. 20 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 ☒ Yes ☐ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☒ Yes ☐ No Cores Taken ☐ Yes ☒ No Electric Log Run ☐ Yes ☒ No Electric Log Submitted Electronically ☐ Yes ☐ No <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Log Formation (Top), Depth and Datum ☒ Sample <table style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>ANHYDRITE</td> <td>988</td> <td>+995</td> </tr> <tr> <td>TOPEKA</td> <td>3029</td> <td>-1046</td> </tr> <tr> <td>HEEBNER</td> <td>3288</td> <td>-1305</td> </tr> <tr> <td>BROWN LIME</td> <td>3367</td> <td>-1384</td> </tr> <tr> <td>LANSING</td> <td>3377</td> <td>-1394</td> </tr> <tr> <td>BASE KANSAS CITY</td> <td>3600</td> <td>-1617</td> </tr> <tr> <td>ARBuckle</td> <td>3638</td> <td>-1655</td> </tr> </tbody> </table>	Name	Top	Datum	ANHYDRITE	988	+995	TOPEKA	3029	-1046	HEEBNER	3288	-1305	BROWN LIME	3367	-1384	LANSING	3377	-1394	BASE KANSAS CITY	3600	-1617	ARBuckle	3638	-1655
Name	Top	Datum																							
ANHYDRITE	988	+995																							
TOPEKA	3029	-1046																							
HEEBNER	3288	-1305																							
BROWN LIME	3367	-1384																							
LANSING	3377	-1394																							
BASE KANSAS CITY	3600	-1617																							
ARBuckle	3638	-1655																							

CASING RECORD ☒ New ☐ Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	1017	A-CON BLEND	200	
SURFACE	12.25	8.625	24	1017	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 (Amount and Kind of Material Used)	Depth

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

BASICSM
ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 06782 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>08-12-12</u> DISTRICT <u>MAHAR</u>				NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:			
CUSTOMER <u>L.D. DRILLING</u>				LEASE <u>MA-RO-DE</u> <u>1-6</u> WELL NO.			
ADDRESS				COUNTY <u>BARTON</u> STATE <u>KS</u>			
CITY STATE				SERVICE CREW <u>Sullivan, Motal, Young</u>			
AUTHORIZED BY				JOB TYPE: <u>CDW P.T.A</u>			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>8-12-12</u>	DATE <u>AM</u> TIME <u>10:30</u>
<u>19905-19903</u>	<u>45</u>	<u>19960-71010</u>	<u>45</u>			ARRIVED AT JOB	<u>AM</u> <u>PM</u> <u>2:30</u>
<u>32900</u>						START OPERATION	<u>AM</u> <u>PM</u> <u>3:30</u>
						FINISH OPERATION	<u>AM</u> <u>PM</u> <u>5:40</u>
						RELEASED	<u>AM</u> <u>PM</u> <u>6:45</u>
						MILES FROM STATION TO WELL <u>65600</u>	

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

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

SIGNED: Jim M. Kelly
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

[illegible]

CHEMICAL / ACID DATA:			

		SUB TOTAL	
		DLS	5,357.44
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
Thank you		TOTAL	

SERVICE REPRESENTATIVE <i>[Signature]</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.	

Customer <i>L.O. Drilling</i>		Lease No.		Date	
Lease <i>114-RD-1E</i>		Well # <i>1-6</i>		<i>09-12-12</i>	
Field Order # <i>6782</i>	Station <i>Pratt KS</i>	Casing <i>D.P.</i>	Depth <i>3618'</i>	County <i>BARTON</i>	State <i>KS</i>
Type Job <i>CNW A.T.A.</i>			Formation	Legal Description <i>6-20-15</i>	

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

Customer Representative		Station Manager <i>DAVE SCOTT</i>		Treater <i>Robert Sullivan</i>	
Service Units	<i>37910</i>	<i>19905</i>	<i>19902</i>	<i>19960</i>	<i>21010</i>
Driver Names	<i>William</i>	<i>Michael</i>	<i>Young</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2:20</i>					<i>on the city meter</i>
					<i>P.T.A.</i>
					<i>3618' w/ 25 sk</i>
<i>3:30</i>			<i>10</i>	<i>"</i>	<i>SPACER</i>
<i>3:45</i>			<i>6</i>	<i>"</i>	<i>CMT</i>
			<i>47</i>		<i>DISP ANNUL shut down</i>
					<i>1060' w/ 40 sk</i>
<i>4:45</i>			<i>10</i>		<i>SPACER</i>
<i>5:00</i>			<i>10</i>	<i>"</i>	<i>CMT</i>
<i>5:10</i>			<i>10</i>		<i>DISP</i>
					<i>560' w/ 80 sk</i>
<i>5:10</i>			<i>5</i>		<i>SPACER</i>
<i>5:20</i>			<i>20</i>	<i>"</i>	<i>CMT</i>
<i>5:30</i>			<i>3</i>		<i>DISP</i>
<i>5:40</i>			<i>3</i>	<i>2</i>	<i>TOP 40' w/ 10 sk</i>
			<i>7</i>	<i>1</i>	<i>R.H.</i>
					<i>3013 Complete</i>
					<i>Thank you</i>



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

1718 06718 A

DATE TICKET NO.

DATE OF JOB 8-7-12 DISTRICT Platt				NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:			
CUSTOMER L.D. Drilling				LEASE MA-RO-DE WELL NO. 1-6			
ADDRESS				COUNTY Barton STATE KS			
CITY STATE				SERVICE CREW Orlando, Mcbraw, Young			
AUTHORIZED BY				JOB TYPE: CNW - 8 5/8 Surface			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 8-7-12 AM 7:00 PM
27283	1					ARRIVED AT JOB	AM 4:50 PM
27463	1					START OPERATION	AM 2:42 PM
19960-19918	1					FINISH OPERATION	AM 3:00 PM
						RELEASED	AM 4:00 PM
						MILES FROM STATION TO WELL	65

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)

[illegible]

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.

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: MA-RO-DE 1-6

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S6/20S/15W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: DST #1 CONVENTIONAL

Job Number: D1192

Test Unit:

Start Date: 2012/08/11

Start Time: 01:30:00

End Date: 2012/08/11

End Time: 09:00:00

Report Date: 2012/08/11

Prepared By: JOHNRIEDL

Remarks:

Qualified By: KIM SHOEMAKER

RECOVERY: 2000' GASSY SULFUR WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Ma-ro-de1-6dst1

TIME ON: 01:30 08/11/12
TIME OFF: 09:00 08/11/12

Company L D DRILLING INC Lease & Well No. MA-RO-DE #1-6
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1983 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1192
Date 8/11/12 Sec. 6 Twp. 20 S Range 15 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3643 ft. to 3669 ft. Total Depth 3669 ft.
Packer Depth 3638 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3643 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3646 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3666 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 3497 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 26 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: STRONG (B.O.B 1 MINUTE) WEAK BB
2nd Open: STRONG (B.O.B 5 MINUTE) NO BB

Recovered 2000 ft. of GAS CUT SULFUR WATER

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered 0 ft. of _____

Remarks: TOTAL FLUID RECOVERY:2000 ' (120' IN DRILL COLLARS 1880' IN DRILL PIPE)

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 3:40 A.M A.M. P.M. Time Started Off Bottom 6:40 A.M A.M. P.M. Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 1823 P.S.I.

Initial Flow Period..... Minutes 30 (B) 200 P.S.I. to (C) 647 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 980 P.S.I.

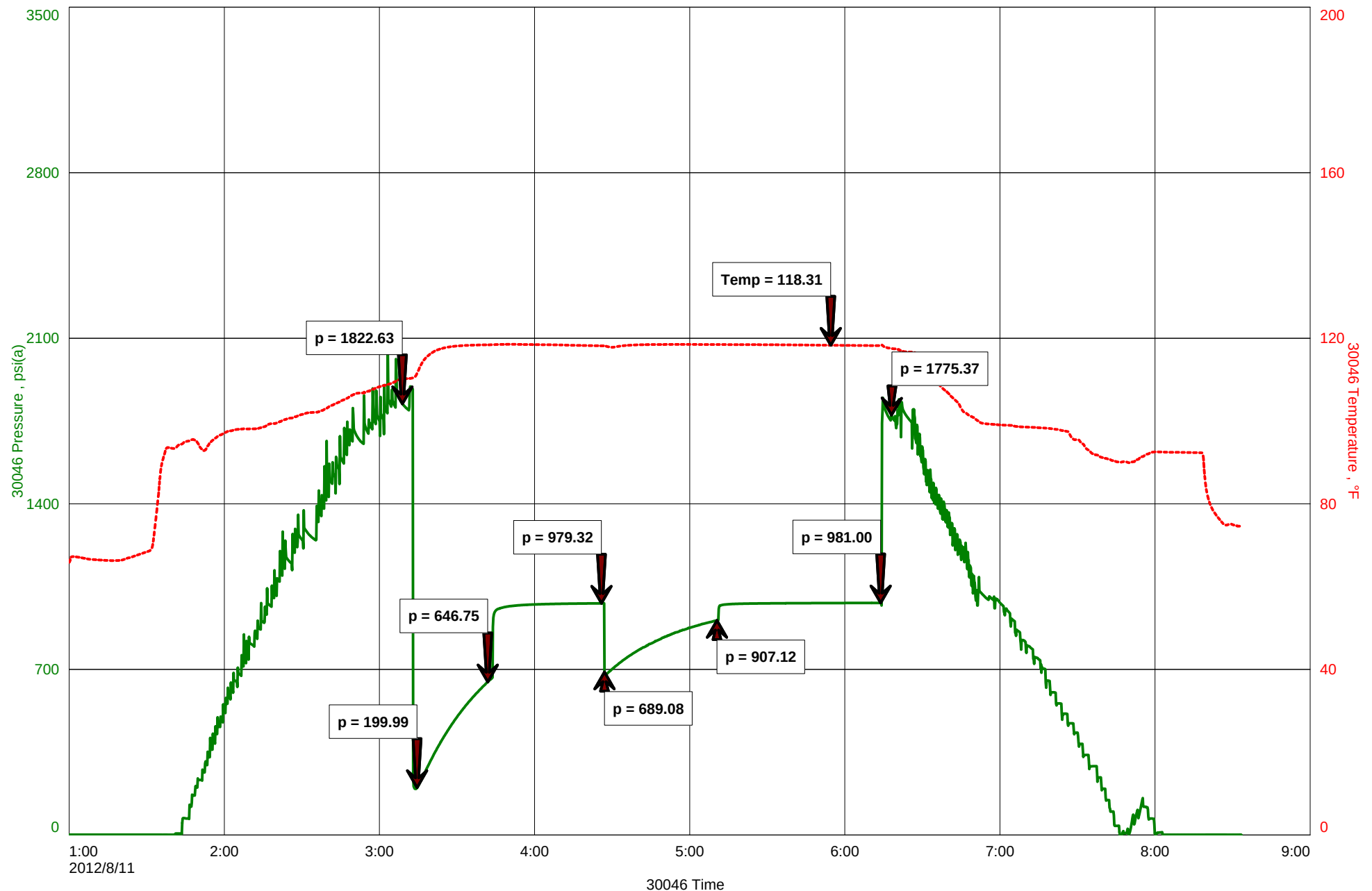
Final Flow Period..... Minutes 45 (E) 690 P.S.I. to (F) 907 P.S.I.

Final Closed In Period..... Minutes 60 (G) 981 P.S.I.

Final Hydrostatic Pressure..... (H) 1775 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.

MA-RO-DE 1-6



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: MA-RO-DE 1-6

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S6/20S/15S

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: DST 2 CONVENTIONAL Job Number: D1193

Test Unit:

Start Date: 2012/08/11 Start Time: 15:30:00

End Date: 2012/08/11 End Time: 23:00:00

Report Date: Prepared By:

Remarks: Qualified By:

RECOVERY: GAS TO SURFACE, 180' SLIGHTLY OIL CUT GASSY MUDDY WATER, 1920' WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Ma-ro-de1-6dst2

TIME ON: 15:30 08/11/12
TIME OFF: 23:00 08/11/12

Company L D DRILLING INC Lease & Well No. MA-RO-DE #1-6
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1983 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1193
Date 8/11/12 Sec. 6 Twp. 20 S Range 15 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 2 Interval Tested from 3672 ft. to 3701 ft. Total Depth 3701 ft.
Packer Depth 3667 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3672 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3675 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3698 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3526 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 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: STRONG (B.O.B 1 MINUTE, GTS 30 MIN.) STRONG BB
2nd Open: STRONG (B.O.B 2 MIN. GTS THRU-OUT) GOOD BB

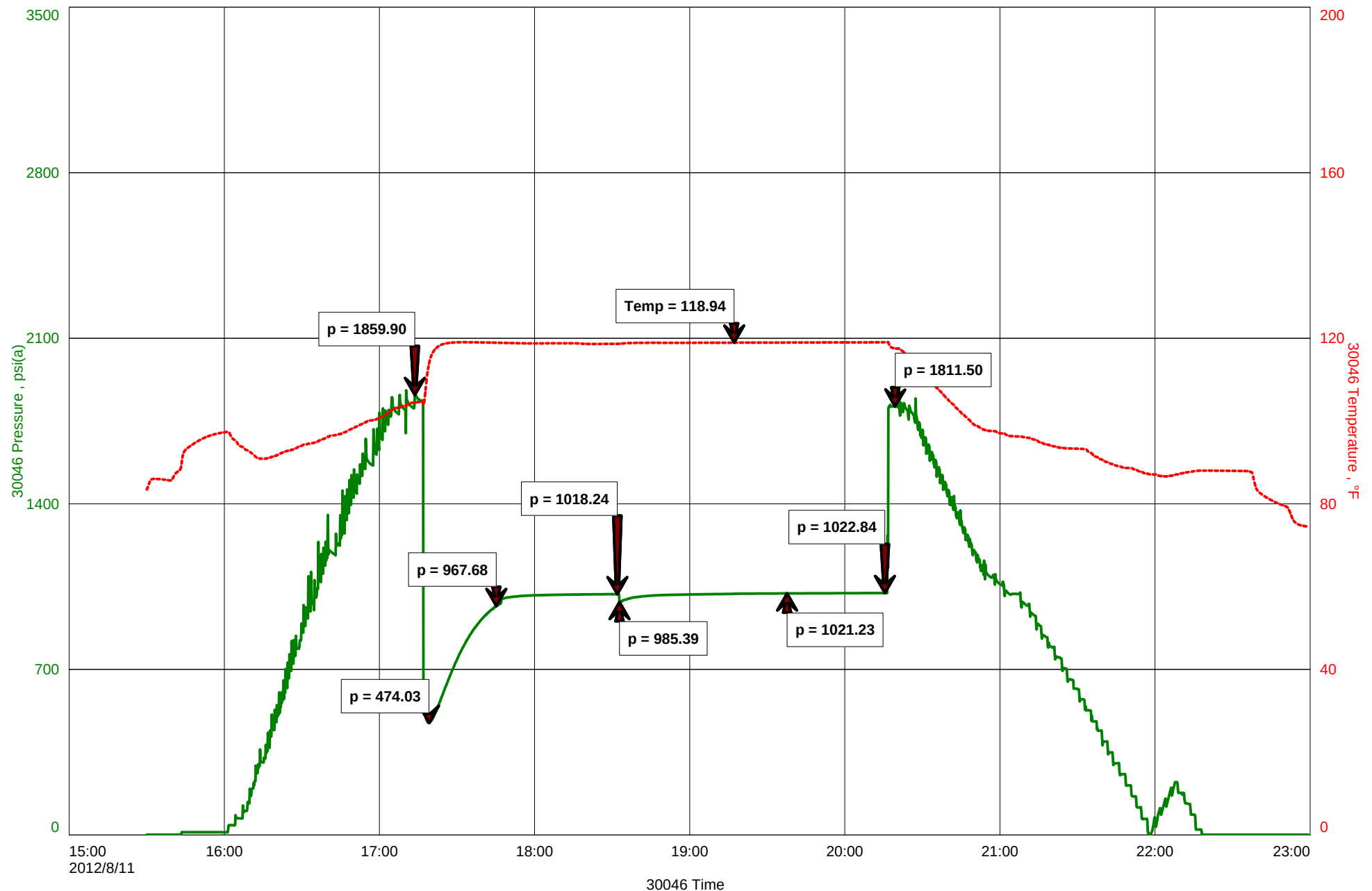
Recovered 60 ft. of SLOC GWM (3%OIL 25%GAS 30%WATER 42%MUD)
Recovered 120 ft. of VSLOC GMW (1%OIL 30%GAS 25%MUD 71%WATER)
Recovered 1920 ft. of GW (20%GAS 80%WATER) CHLORIDES 40,000 Ppm

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered <u>0</u> ft. of _____	Insurance
Remarks: <u>TOTAL FLUID RECOVERY:2100 ' (120' IN DRILL COLLARS.1980' IN DRILL PIPE)</u> <u>GAS WAS GUAGED @ 3 MCF/D DECREASING TO TSTM</u>	Total

Time Set Packer(s) 5:15 P.M A.M. P.M. Time Started Off Bottom 8:15 P.M A.M. P.M. Maximum Temperature 119
Initial Hydrostatic Pressure..... (A) 1860 P.S.I.
Initial Flow Period..... Minutes 30 (B) 474 P.S.I. to (C) 968 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1048 P.S.I.
Final Flow Period..... Minutes 45 (E) 985 P.S.I. to (F) 1021 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1023 P.S.I.
Final Hydrostatic Pressure..... (H) 1812 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.

MA-RO-DE 1-6



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: LD DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: MA-RO-DE 1-6

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S6/20S/15W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: DST #3 CONVENTIONAL Job Number: D1194

Test Unit:

Start Date: 2012/08/12 Start Time: 05:00:00

End Date: 2012/08/12 End Time: 12:30:00

Report Date: 2012/08/12 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: GAS TO SURFACE 1ST FLOW, 2700' GASSY WATER WITH SOME OIL SCUM IN TOP 200'



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Ma-ro-de1-6ds3

TIME ON: 05:00 08/12/12
TIME OFF: 9:00 8/12/12

Company L D DRILLING INC Lease & Well No. MA-RO-DE #1-6
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1983 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1194
Date 8/12/12 Sec. 6 Twp. 20 S Range 15 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 3 Interval Tested from 3703 ft. to 3720 ft. Total Depth 3720 ft.

Packer Depth 3698 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3703 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3706 ft. Recorder Number 30046 Cap. 6000 P.S.I.

Bottom Recorder Depth (Outside) 3717 ft. Recorder Number 11073 Cap. 4000 P.S.I.

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

Mud Type CHEMICAL Viscosity 58 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Weight 9.6 Water Loss 9.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 5,000 P.P.M. Drill Pipe Length 3557 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 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: STRONG (B.O.B 1 MINUTE, GTS 12 MIN.) STRONG BB

2nd Open: WEAK SURFACE BLOW NO BB

Recovered 2700 ft. of GASSY WATER WITH A SCUM OF OIL IN TOP 200' CHLORIDES 35,000Ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered 0 ft. of _____

Remarks: TOTAL FLUID RECOVERY: ' (120' IN DRILL COLLARS., 2580' IN DRILL PIPE)

GAS WAS GUAGED !0 MCF/D DURING 1ST FLOW

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 7:10 A.M A.M. P.M. Time Started Off Bottom 10:10 A.M A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure..... (A) 1815 P.S.I.

Initial Flow Period..... Minutes 30 (B) 475 P.S.I. to (C) 981 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1018 P.S.I.

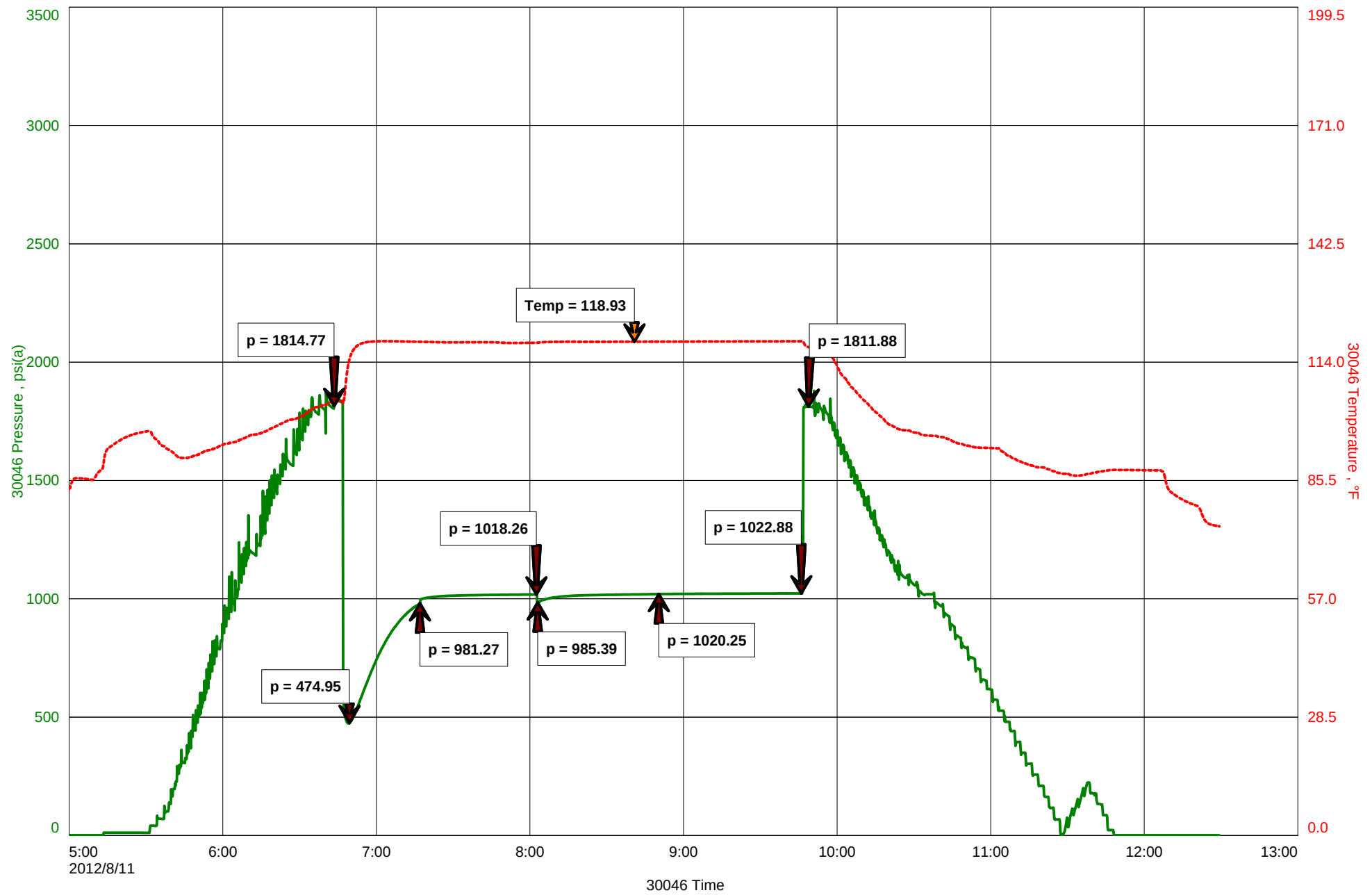
Final Flow Period..... Minutes 45 (E) 985 P.S.I. to (F) 1020 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1023 P.S.I.

Final Hydrostatic Pressure..... (H) 1812 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.

MA-RO-DE 1-6



KIM B. SHOEMAKER

CONSULTING GEOLOGIST

318-684-8708 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
LEASE # 1-6 MA-RO-DE
FIELD BEHRENS
LOCATION 1900' FNL & 330' FEL
SEC 6 TWP 20s RGE 15w
COUNTY BARTON STATE KANSAS
CONTRACTOR PETROMARK DRILLING RIG 2
SPUD 8-6-12 COMP 8-12-12
RTO 3720 LTD
MUD UP 2800 TYPE MUD CHEMICAL

ELEVATIONS
KB 1983
DF
GL 1978
Measurements Are All
From 1983 KB
CASING
BURSIZE 8 5/8" @ .1017
PRODUCTION
ELECTRICAL SURVEYS
None

SAMPLES SAVED FROM 3000 TO 3720
DRILLING TIME KEPT FROM 2900 TO 3720
SAMPLES EXAMINED FROM 3000 TO 3720
GEOLOGICAL SUPERVISION FROM 3200 TO 3720
GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		988 + 995
TOPEKA		3029 - 1046
HEEBNER		3288 - 1305
BROWN LIME		3367 - 1384
LANSING		3377 - 1394
B/KC		3600 - 1617
ARBUCKLE		3638 - 1655



REMARKS

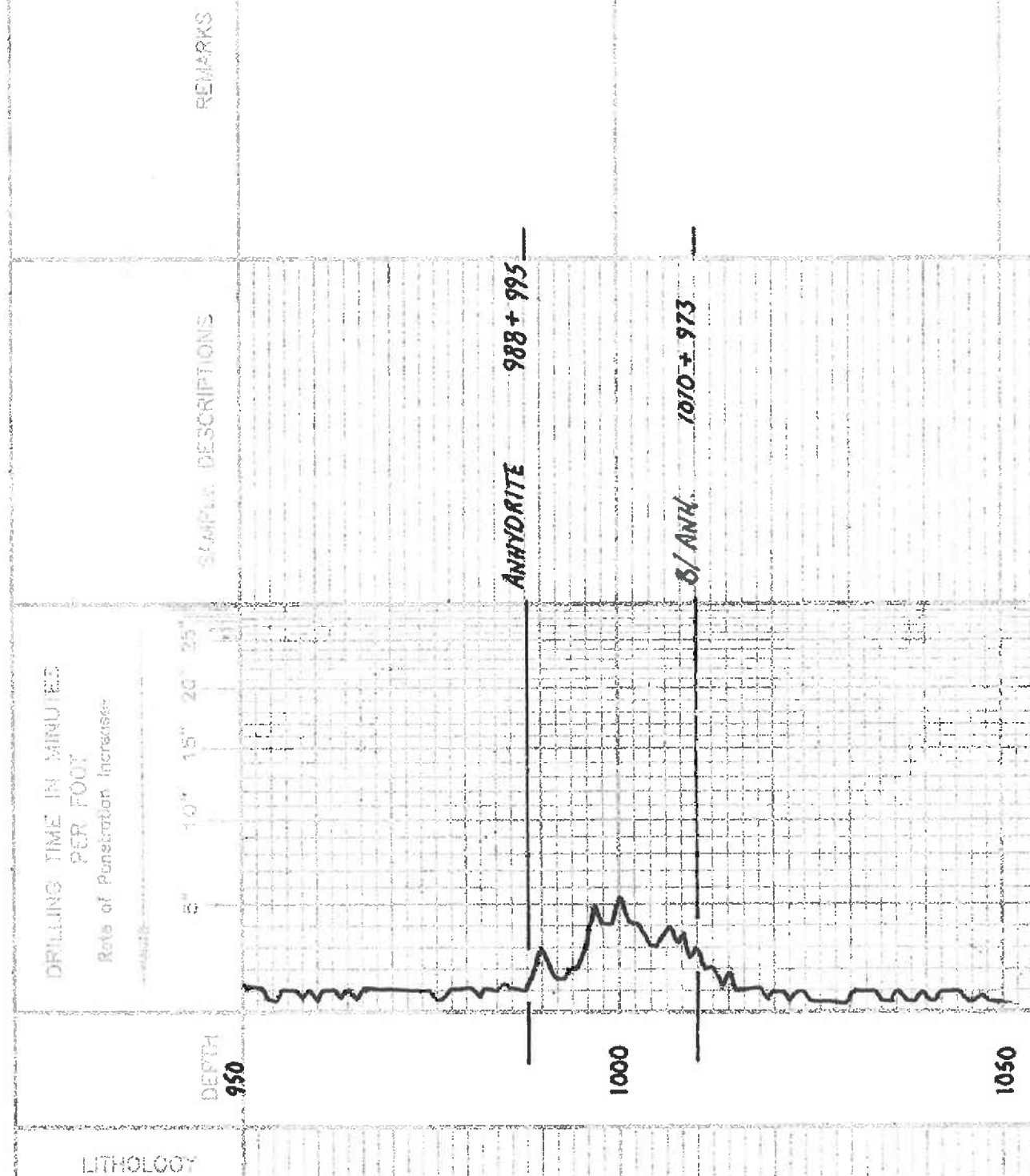
8-6-12... SPUD.
8-7 @ 860'
8-8 @ 1592'
8-9 @ 2720'
8-10 @ 3394'
8-11 @ 3669'
8-12 @ 3720'

API: 15-009 - 25728

LEGEND



SHO-01-06



VIS: 60 @ 2883

WT: 8.7

WT: 8.2

CHL: 2000

2900

HOWARD

2951-10A

3000

Samples are lagged

SH. 219. Silty

TOPEKA 3029-1096

14. Tan w/ sh. fss. Si. chly.

15. Tan w/ sh. fss.

16. Tan w/ sh. fss. chly. w/ clay.

17. Tan. Dm.

18. Tan. To sh. fss. Crabbed.

19. g. Dm.

20. Tan. sh. fss. Crabbed.

SH. g.

21. Tan. sh. fss. 50 ft.

SH. 412 g.

22. Tan. sh. fss.

23. Tan. sh. fss.

24. Tan. sh. fss. 50 ft.

3100

3200

3300

3400

3500

Sh. Dk. G. 1868.

1. g. Sh. Foss.

15. To wh. H. 1868. Sh. D.

15. To wh. V. 1868. Foss. Sh. Chilly.

15. Wh. 1868. out. Sh. 1868. Chilly.

15. To wh. Chilly.

15. To wh. V. 1868. Foss. Sh. Chilly.

HEEBNER 3288-1305

Sh. 1868. (3320)

Sh. 1868.

15. To wh. V. 1868. Foss. Sh. A

Sh. g. 1868. Shilly.

Sh. 1868. Shilly.

Sh. g. 1868. Shilly.

BROWN LIME 3367-1384

Sh. 1868. V. 1868. Foss.

LANSING 3877-1394

Sh. 1868. 1868. Sh. 1868.

15. To wh. 1868. V. 1868. A

Sh. 1868.

15. To wh. Foss. 1868.

15. To wh. V. 1868. Foss. Sh. A

Sh. 1868. 15. To wh. Foss.

15. Wh. Chilly.

15. To wh. 1868. Sh. 1868.

15. Wh. Chilly.

15. To wh. 1868.

Sh. g.

15. Wh. 1868. 1868. Sh. 1868. p.

15. To wh. V. 1868. Foss. Sh. Chilly.

VIS: 51

WT: 93

WL: 9.2

CAL: 4000

TORONTO

DOUGLAS

Temp. 110°