



KANSAS CORPORATION COMMISSION 1066614
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: MV PURCHASING LLC

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 #: _____

<u>09/23/2011</u>	<u>10/01/2011</u>	<u>10/07/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23705-00-00

Spot Description: _____
W2 SW SE SE Sec. 23 Twp. 21 S. R. 12 East West
330 Feet from North / South Line of Section
1255 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Stafford
Lease Name: BERNICE Well #: 4-23
Field Name: WIDENER
Producing Formation: ARBUCKLE

Elevation: Ground: 1831 Kelly Bushing: 1838
Total Depth: 3700 Plug Back Total Depth: 3668
Amount of Surface Pipe Set and Cemented at: 331 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: 13400 ppm Fluid volume: 480 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 Gombor Date: 11/02/2011



1066614

Operator Name: L. D. Drilling, Inc. Lease Name: BERNICE Well #: 4-23
 Sec. 23 Twp. 21 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 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: DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG MICRORESISTIVITY LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Attached Top Attached Datum Attached
---	---

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <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 <i>(Amount and Kind of Material Used)</i>	Depth
2	3610 - 3616'	375 gal 28% HCL NE FE ACID	
4	3604 - 3608'		

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>3665'</u>	Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
----------------	--------------------	----------------------	------------------	--

Date of First, Resumed Production, SWD or ENHR. <u>10/10/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" 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 checked="" 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: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	BERNICE 4-23
Doc ID	1066614

Tops

HEEBNER	3094	-1256
TORONTO	3112	-1274
DOUGLAS	3126	-1288
BROWN LIME	3220	-1382
LANSING	3238	-1400
BASE KANSAS CITY	3474	-1636
CONGLOMERATE	3482	-1644
VIOLA	3513	-1675
SIMPDON SHALE	3533	-1695
ARBUCKLE	3580	-1742

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	BERNICE 4-23
Doc ID	1066614

Casing

SURFACE	12.25	8.625	24	331	A-CON BLEND	175	
SURFACE - CONT	12.25	8.625	24	331	COMMON	175	3%CC,2% Gel,1/4#C F
PRODUC TION	7.875	5.5	14	3695	COMMON	160	
RATHOLE	7.875	5.5	14	3695	60/40 POZMIX	30	



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 04857 A

DATE _____ TICKET NO _____

DATE OF JOB 9-23-2011 DISTRICT PRATT, KS.		NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	JNL <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO:
CUSTOMER LD DRILLING, INC.		LEASE BERNICE			WELL NO. 123		
ADDRESS		COUNTY STAFFORD		STATE KS.			
CITY STATE		SERVICE CREW LESLEY, LAWRENCE, McCASKEY					
AUTHORIZED BY		JOB TYPE: CNW- 8 5/8" S.P.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 9-23-11	DATE TIME
37586	1					ARRIVED AT JOB	8:00 AM 1:45
27463	1					START OPERATION	10:30 PM
17832-21010	1					FINISH OPERATION	11:30 PM
						RELEASED	11:45 PM
						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-CENT BLEND	SK	175		3150.00
CP 102	COMMON	SK	175		2850.00
CC 108	CELL-FLAKE	LB	88		325.00
CC 109	CALCIUM CHLORIDE	LB	875		206.25
CF 153	WOODEN CEMENT PLUG, 8 5/8"	EA	1		160.00
E 100	PICKUP MILEAGE	MILE	45		111.25
E 101	HEAVY EQUIPMENT MILEAGE	MILE	90		630.00
E 113	BULK DELIVERY CHARGE	TIN	743		1118.00
E 200	DEPTH CHARGE 0-500'	HK	1.4		1000.00
E 240	BLENDING SERVICE CHARGE	SK	350		4190.00
E 504	PLUG CONTAINER CHARGE	CONT	1		250.00
G 003	SERVICE SUPERVISOR	CA	1		175.00

SUB TOTAL 12,110.25

CHEMICAL / ACID DATA:			

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

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



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 04862 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>10-2-2011</u> DISTRICT <u>PRATT Ks.</u>		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 <u>LD DRILLING, INC.</u>		LEASE <u>BERNICE</u> WELL NO. <u>4-23</u>						
ADDRESS		COUNTY <u>STAFFORD</u> STATE <u>Ks.</u>						
CITY STATE		SERVICE CREW <u>LESLEY, LAWRENCE, McPASKY, (HONEY)</u>						
AUTHORIZED BY <u>LD DAVIS</u>		JOB TYPE: <u>CNW - 5 1/2" L.S.</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>90-2-11</u> DATE	AM	TIME
<u>19907</u>	<u>2</u>							<u>6:00</u>
<u>37586</u>	<u>2</u>					ARRIVED AT JOB	AM	<u>8:30</u>
<u>19889-19842</u>	<u>2</u>					START OPERATION	AM	<u>11:45</u>
<u>19832-21010</u>	<u>3</u>					FINISH OPERATION	AM	<u>2:00</u>
						RELEASED	PM	<u>3:00</u>
						MILES FROM STATION TO WELL <u>45</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: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
MP100	COMMON	SK	160		2,560.00
MP103	16/40 PZ	SK	30		312.00
CC 113	CAL SET	lb	755		566.25
CC 200	CEMENT GEL	lb	302		75.50
CF 103	TOP RUBBER CNT. PLUG, 5 1/2"	EA	1		105.00
CF 251	REGULAR GUIDE SHOE, 5 1/4"	EA	1		250.00
CF 1451	FLAPPY TYPE INSERT FLOAT VALVE, 5 1/2"	EA	1		215.00
CF 1051	TURBOLIZER, 5 1/4"	EA	6		1,660.00
CC 151	MUD FLUSH	GAL	1000		8,000.00
E 102	PICKUP MILEAGE	MI	45		191.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	90		630.00
E 113	BLK DELIVERY CHARGE	TM	398		1,637.20
CF 204	DEPTH CHARGE, 3001-4000'	HR	1.4		2,160.00
CF 240	BLENDING SERVICE CHARGE	SK	190		2,160.00
CF 504	PLUG CONTAINER CHARGE	SUB	1		2,500.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

CHEMICAL / ACID DATA:			

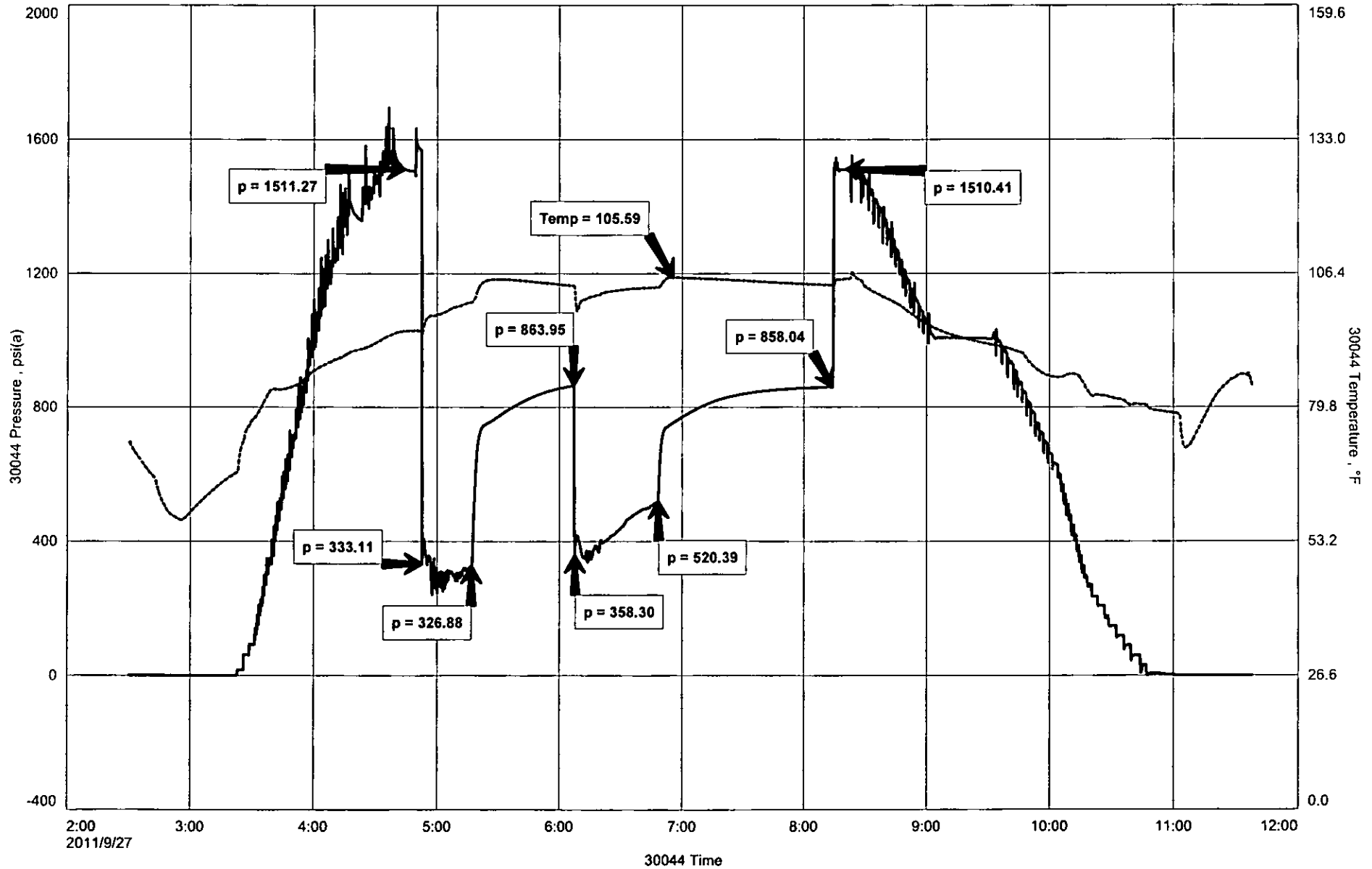
SUB TOTAL		<u>7,867.30</u>
SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		

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

L.D. DRLG
DST#1 3226-3324 LANSING A-F
Start Test Date: 2011/09/27
Final Test Date: 2011/09/27

BERNICE #4-23
Formation: DST#1 3226-3324 LANSING A-F
Pool: WILDCAT
Job Number: M214

PENKA #1-19



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M214
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3226-3324 LANSING A-F	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/09/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3226-3324 LANSING A-F		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/27	Start Test Time	02:30:00
Final Test Date	2011/09/27	Final Test Time	11:38:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:

882' GHOCM 30% GAS, 50% EMULSIFIED OIL, 20% MUD,
882' GMCO 30% GAS, 63% OIL, 7% MUD
498' GMO 5% GAS, 90% OIL, 5% MUD (378' DP 120' DC)
2' MW 94% WTR, 6% MUD, THICK SCUM OF OIL
2264' TOTAL FLUID

GTS 3 MIN 1ST OPEN

FINAL FLOW: 283 MCF/DAY SEE ATTCHD GAS RPT

A LITTLE BIT OF MUD TO SURFACE 40 MIN 2ND OPEN

CHLOR: 58,000 PPM

PH:8.0

RW: .11 @ 100DEG

TOOL SAMPLE: MOSTLY GAS AND SOME OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST1

TIME ON: 0230
TIME OFF: 1138

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation LANSING A-F Effective Pay _____ Ft. Ticket No. M214
Date 09/27/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3226 ft. to 3324 ft. Total Depth 3324 ft.
Packer Depth 3221 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3226 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3222 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3321 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,700 P.P.M. Drill Pipe Length 3086 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 98 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: GSB, BOB 30 SEC. GTS 3 MIN, GAS BURNED NICELY (ORANGE AND BLUE) (BOB BB)
2nd Open: GSB, BOB 12 SEC. A LITTLE BIT OF MUD TO SURFACE 40 MIN 2ND OPEN (BOB BB RIGHT AWAY)

Recovered <u>882 ft.</u> of <u>GHOCM 30% GAS, 50% EMULSIFIED OIL, 20% MUD,</u>	
Recovered <u>882 ft.</u> of <u>GMCO 30% GAS, 63% OIL, 7% MUD</u>	
Recovered <u>498 ft.</u> of <u>GMO 5% GAS, 90% OIL, 5% MUD (378' DP 120' DC)</u>	<u>GRAVITY: 31.8@ 60°</u>
Recovered <u>2 ft.</u> of <u>MW 94% WTR, 6% MUD, THICK SCUM OF OIL</u>	
Recovered <u>2264 ft.</u> of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of <u>PH: 8.0 CHLOR: 58,000 PPM</u>	Other Charges
Remarks: <u>RW: .11 @ 100 °</u>	Insurance
<u>FINAL FLOW: 283 MCF/DAY SEE ATTCHD GAS RPT</u>	
<u>TOOL SAMPLE: MOSTLY GAS AND SOME OIL</u>	Total

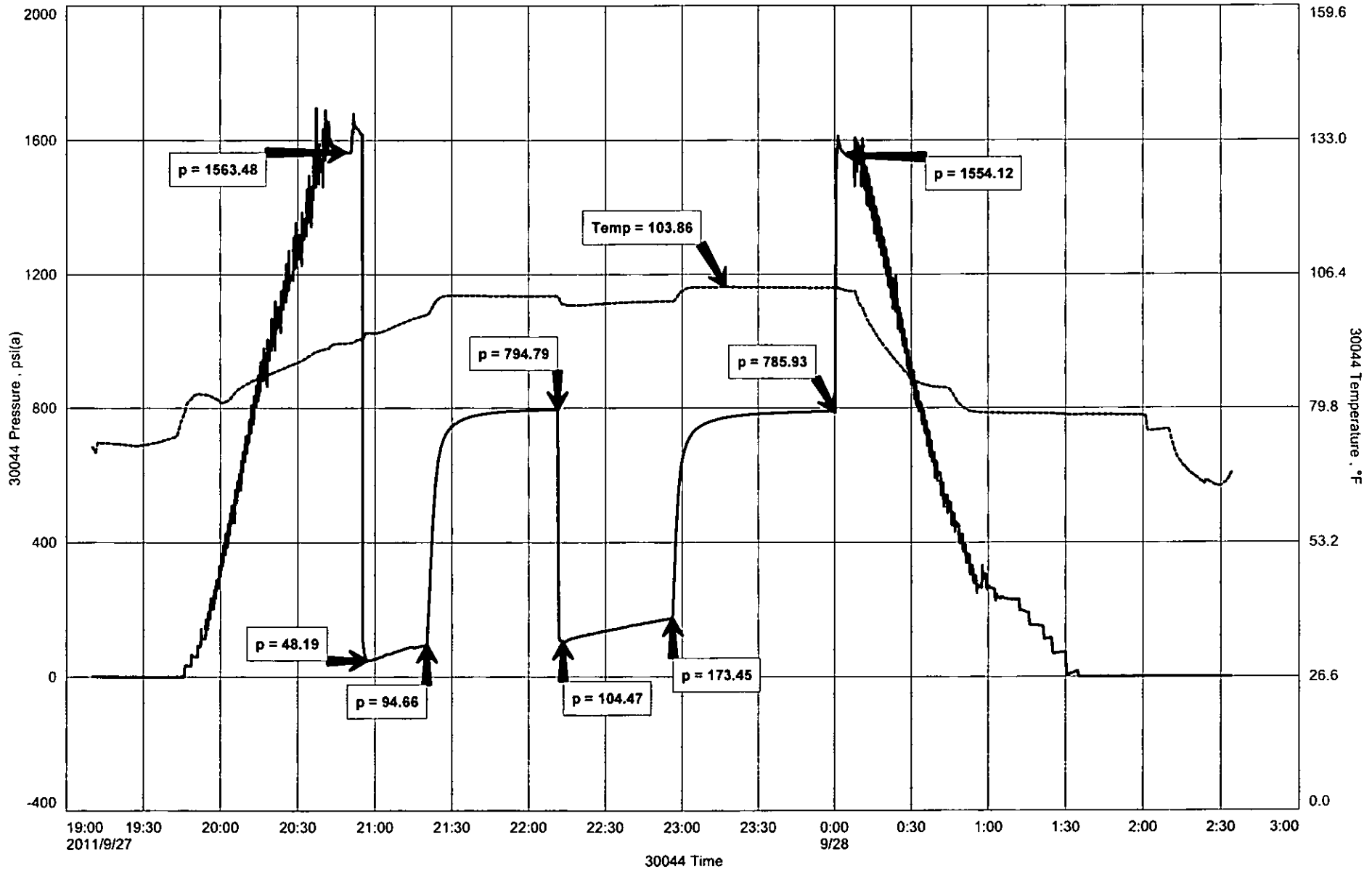
Time Set Packer(s) 4:45 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 7:45 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 106
Initial Hydrostatic Pressure..... (A) 1511 P.S.I.
Initial Flow Period..... Minutes 30 (B) 333 P.S.I. to (C) 327 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 864 P.S.I.
Final Flow Period..... Minutes 45 (E) 358 P.S.I. to (F) 520 P.S.I.
Final Closed In Period..... Minutes 75 (G) 858 P.S.I.
Final Hydrostatic Pressure..... (H) 1510 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. DRLG
DST#2 3364-3390 LANSING H
Start Test Date: 2011/09/27
Final Test Date: 2011/09/28

BERNICE #4-23
Formation: DST#2 3364-3390 LANSING H
Pool: WILDCAT
Job Number: M215

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M215
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3364-3390 LANSING H	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/09/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3364-3390 LANSING H		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/27	Start Test Time	19:10:00
Final Test Date	2011/09/28	Final Test Time	02:35:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

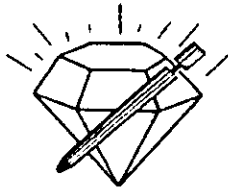
Test Results

Remarks RECOVERED:

563' CO 100% OIL
563' TOTAL FLUID

GRAVITY: 33.2 @ 60

TOOL SAMPLE: GASSY OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST2

TIME ON: 1910 (9/27)
TIME OFF: 0235 (9/28)

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation LANSING H Effective Pay _____ Ft. Ticket No. M215
Date 09/27/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3364 ft. to 3390 ft. Total Depth 3390 ft.
Packer Depth 3359 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3364 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3361 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3387 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 57 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,700 P.P.M. Drill Pipe Length 3222 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 20 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: NO BLOW FOR 30 SEC. THEN BOB RIGHT AWAY (BOB BB)
2nd Open: GSB, BOB RIGHT AWAY (BOB BB)

Recovered 563 ft. of CO 100% OIL (441 DP, 122 DC)
Recovered 563 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of GRAVITY: 33.2 @ 60°
Remarks: _____
TOOL SAMPLE: GASSY OIL

	Price Job
	Other Charges
	Insurance
	Total

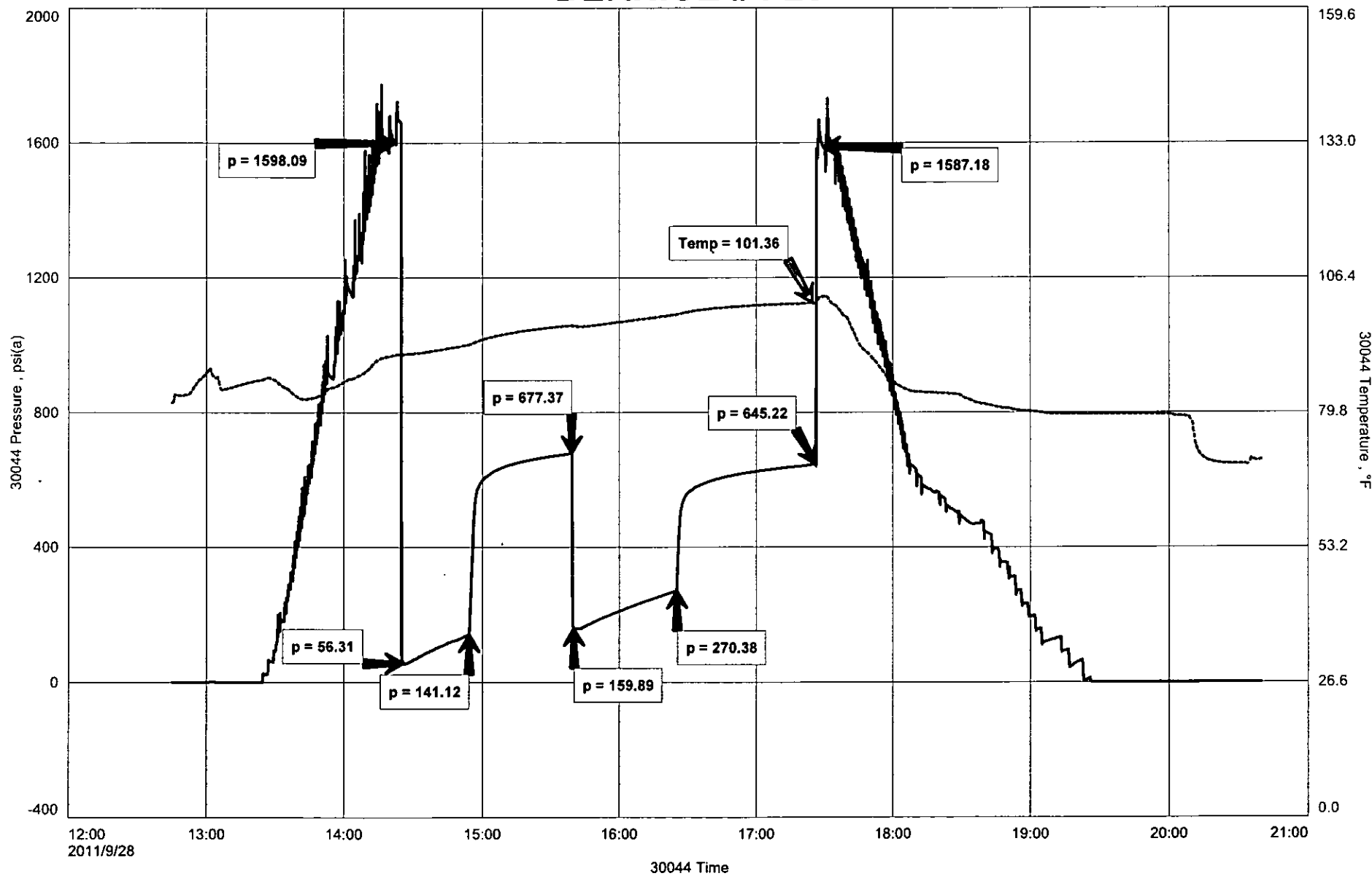
Time Set Packer(s) 9:00 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 12:00 a.M. ^{A.M.}/_{P.M.} Maximum Temperature 104
Initial Hydrostatic Pressure..... (A) 1563 P.S.I.
Initial Flow Period..... Minutes 30 (B) 48 P.S.I. to (C) 95 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 795 P.S.I.
Final Flow Period..... Minutes 45 (E) 104 P.S.I. to (F) 173 P.S.I.
Final Closed In Period..... Minutes 60 (G) 786 P.S.I.
Final Hydrostatic Pressure..... (H) 1554 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. DRLG
DST#3 3390-3475 LANSING I,J,K
Start Test Date: 2011/09/28
Final Test Date: 2011/09/28

BERNICE #4-23
Formation: DST#3 3390-3475 LANSING I,J,K
Pool: WILDCAT
Job Number: M216

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M216
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3390-3475 LANSING I,J,K	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3390-3475 LANSING I,J,K		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/28	Start Test Time	12:45:00
Final Test Date	2011/09/28	Final Test Time	20:40:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
1067' CGO 30% GAS 70% OIL
1067 TOTAL FLUID

GRAVITY: 26.8 @ 60
TOOL SAMPLE: GASSY OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST3

TIME ON: 1245
TIME OFF: 2040

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation LANSING I,J,K Effective Pay _____ Ft. Ticket No. M216
Date 09/28/2011 Sec. 23 Twp. _____ 21 S Range _____ 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3390 ft. to 3475 ft. Total Depth 3475 ft.
Packer Depth 3385 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3390 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3386 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3472 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 61 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 9,500 P.P.M. Drill Pipe Length 3248 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 85 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BOB 34 SEC. GTS 20 MIN SEE ATTACHED RPT (BOB BB)
2nd Open: GSB, BOB 50 SEC (BOB BB)

Recovered 1067 ft. of CGO 30% GAS 70% OIL
Recovered 1067 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>GRAVITY: 26.8 @ 60°</u>	Other Charges
Remarks: <u>FINAL GAS FLOW: 1.71 MCF/D</u>	Insurance
<u>TOOL SAMPLE: GASSY OIL</u>	Total

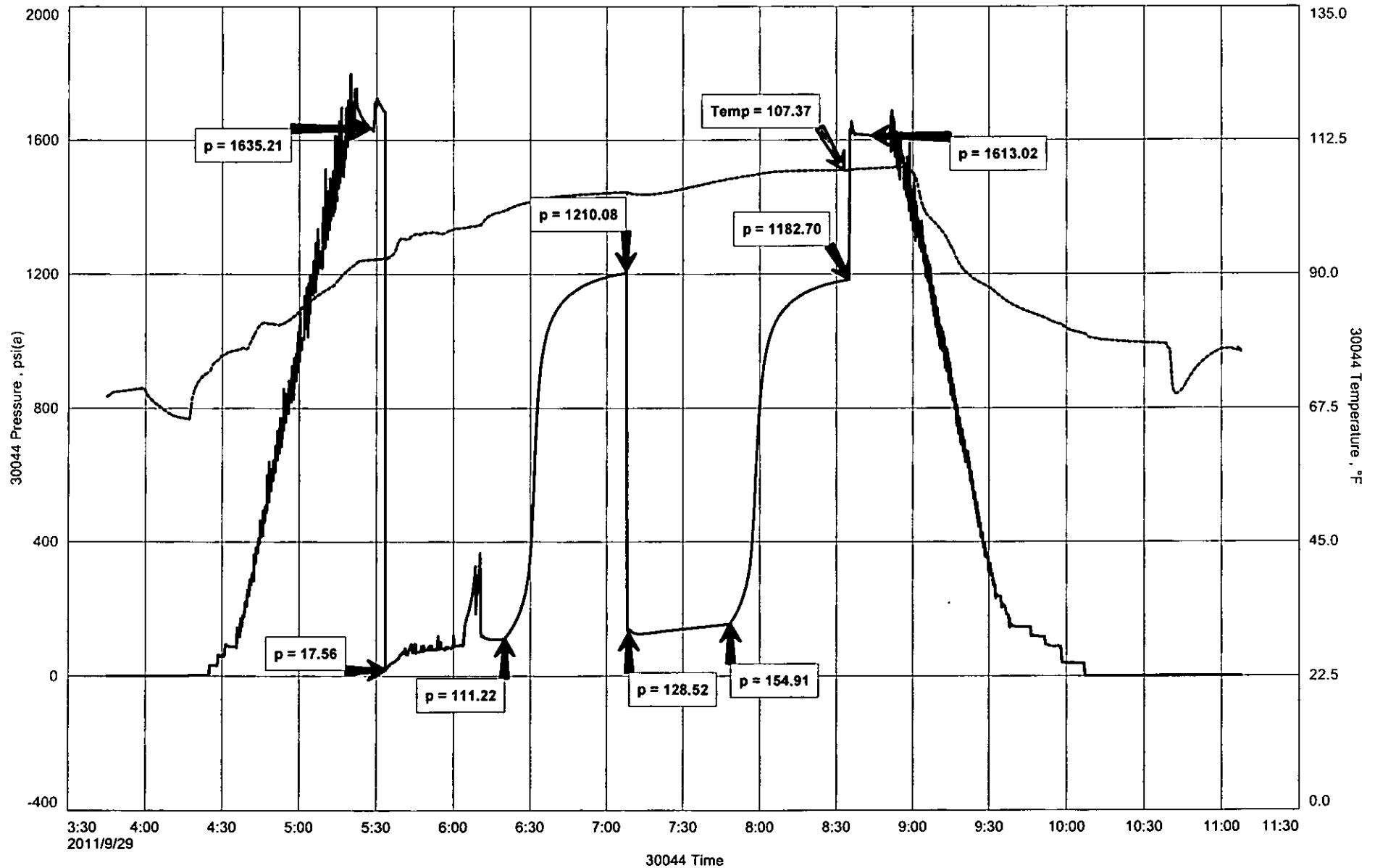
Time Set Packer(s) 2:30 P.M. A.M. P.M. Time Started Off Bottom 5:30 P.M. A.M. P.M. Maximum Temperature 101
Initial Hydrostatic Pressure..... (A) 1598 P.S.I.
Initial Flow Period..... Minutes 30 (B) 56 P.S.I. to (C) 141 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 677 P.S.I.
Final Flow Period..... Minutes 45 (E) 160 P.S.I. to (F) 270 P.S.I.
Final Closed In Period..... Minutes 60 (G) 645 P.S.I.
Final Hydrostatic Pressure..... (H) 1587 P.S.I.

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

L.D. DRLG
DST#4 3475-3530 CONGL/VIOLA
Start Test Date: 2011/09/29
Final Test Date: 2011/09/29

BERNICE #4-23
Formation: DST#4 3475-3530 CONGL/VIOLA
Pool: WILDCAT
Job Number: M217

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M217
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#4 3475-3530 CONGL/VIOLA	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/09/29
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

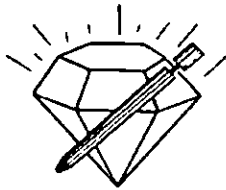
Test Type	CONVENTIONAL		
Formation	DST#4 3475-3530 CONGL/VIOLA		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/29	Start Test Time	03:45:00
Final Test Date	2011/09/29	Final Test Time	10:50:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
462' GMCO 2% GAS, 65% OIL, 33% MUD
462' TOTAL FLUID

TOOL SAMPLE: GASSY MUDDY OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST4

TIME ON: 0345
TIME OFF: 1050

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation CONGL/VIOLA Effective Pay _____ Ft. Ticket No. M217
Date 09/29/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 3475 ft. to 3530 ft. Total Depth 3530 ft.
Packer Depth 3470 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3475 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3468 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3527 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 61 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 9,400 P.P.M. Drill Pipe Length 3333 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 55 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INC. TO BOB 37 MIN (4" BB)
2nd Open: WSB, INC. TO BOB 10 MIN (BOB BB)

Recovered 462 ft. of GMCO 2% GAS, 65% OIL, 33% MUD (340' DP, 122' DC)
Recovered 462 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>THICK STICKY GUMMY OIL</u>	Insurance
TOOL SAMPLE: <u>GASSY MUDDY OIL</u>	Total

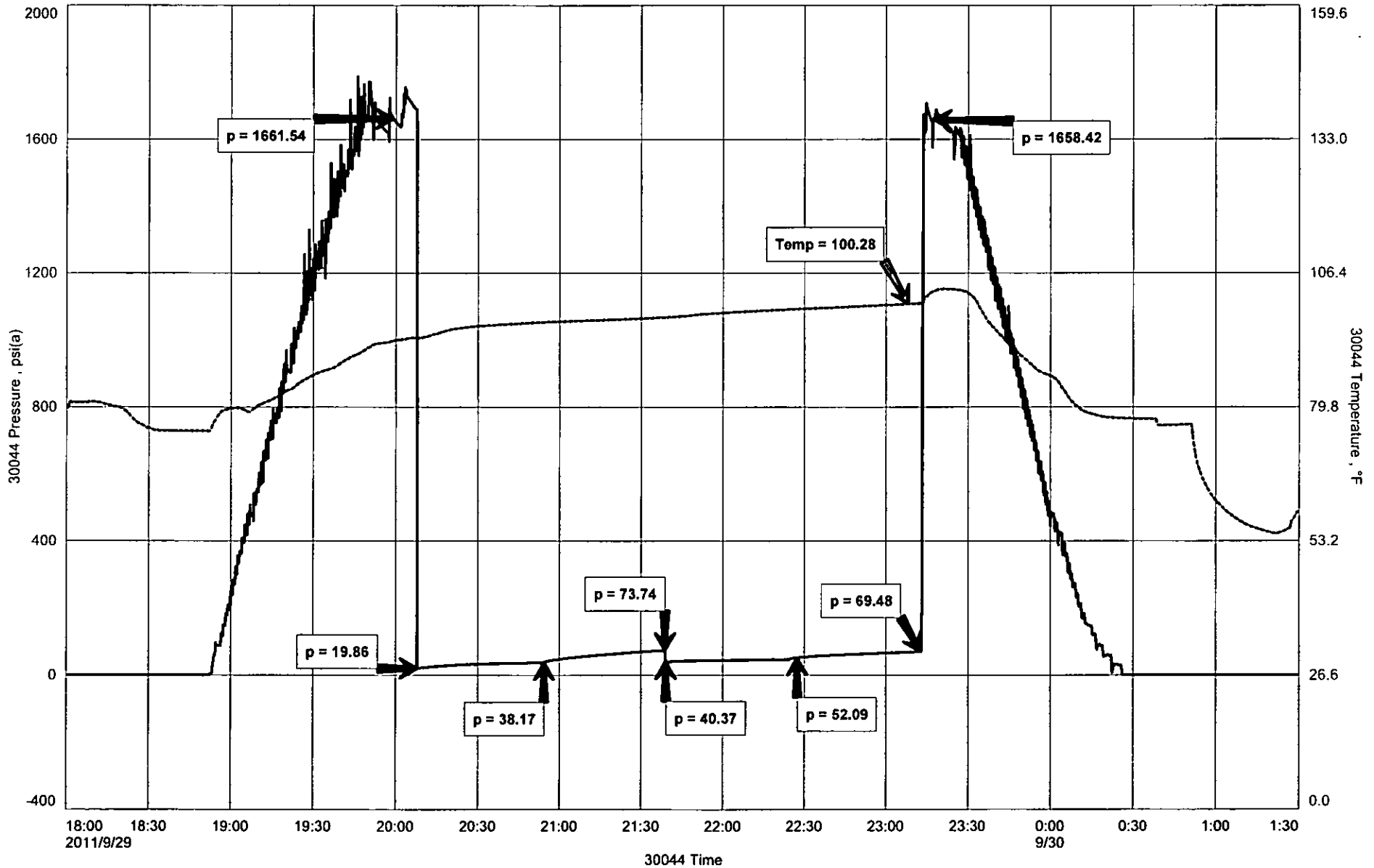
Time Set Packer(s) 5:15 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 8:15 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 107
Initial Hydrostatic Pressure..... (A) 1635 P.S.I.
Initial Flow Period..... Minutes 45 (B) 18 P.S.I. to (C) 111 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1210 P.S.I.
Final Flow Period..... Minutes 45 (E) 129 P.S.I. to (F) 155 P.S.I.
Final Closed In Period..... Minutes 45 (G) 1183 P.S.I.
Final Hydrostatic Pressure..... (H) 1613 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. DRLG
DST#5 3533-3589 ARBUCKLE
Start Test Date: 2011/09/29
Final Test Date: 2011/09/30

BERNICE #4-23
Formation: DST#5 3533-3589 ARBUCKLE
Pool: WILDCAT
Job Number: M218

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M218
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#5 3533-3589 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/09/30
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 3533-3589 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/29	Start Test Time	18:00:00
Final Test Date	2011/09/30	Final Test Time	01:30:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
65' GOSM 2% GAS, 2% OIL, 96% MUD
65' TOTAL FLUID

TOOL SAMPLE: 2% GAS, 25% OIL, 73% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST5

TIME ON: 1800 (9/29)
TIME OFF: 0130 (9/30)

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M218
Date 09/29/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 3533 ft. to 3589 ft. Total Depth 3589 ft.
Packer Depth 3528 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3533 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3526 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3586 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 61 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Weight 8.7 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 9,400 P.P.M. Drill Pipe Length 3391 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 56 ft. Size 4 1/2-FH in.

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

Blow: 1st Open: WSB, INC. TO 6" (NO BB)
2nd Open: WSB, INC. TO 2 1/2" (NO BB)

Recovered 65 ft. of GOSM 2% GAS, 2% OIL, 96% MUD

Recovered 65 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 2% GAS, 25% OIL, 73% MUD

Time Set Packer(s) 8:00 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 11:00 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 100

Initial Hydrostatic Pressure..... (A) 1662 P.S.I.

Initial Flow Period..... Minutes 45 (B) 20 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 74 P.S.I.

Final Flow Period..... Minutes 45 (E) 40 P.S.I. to (F) 52 P.S.I.

Final Closed In Period..... Minutes 45 (G) 69 P.S.I.

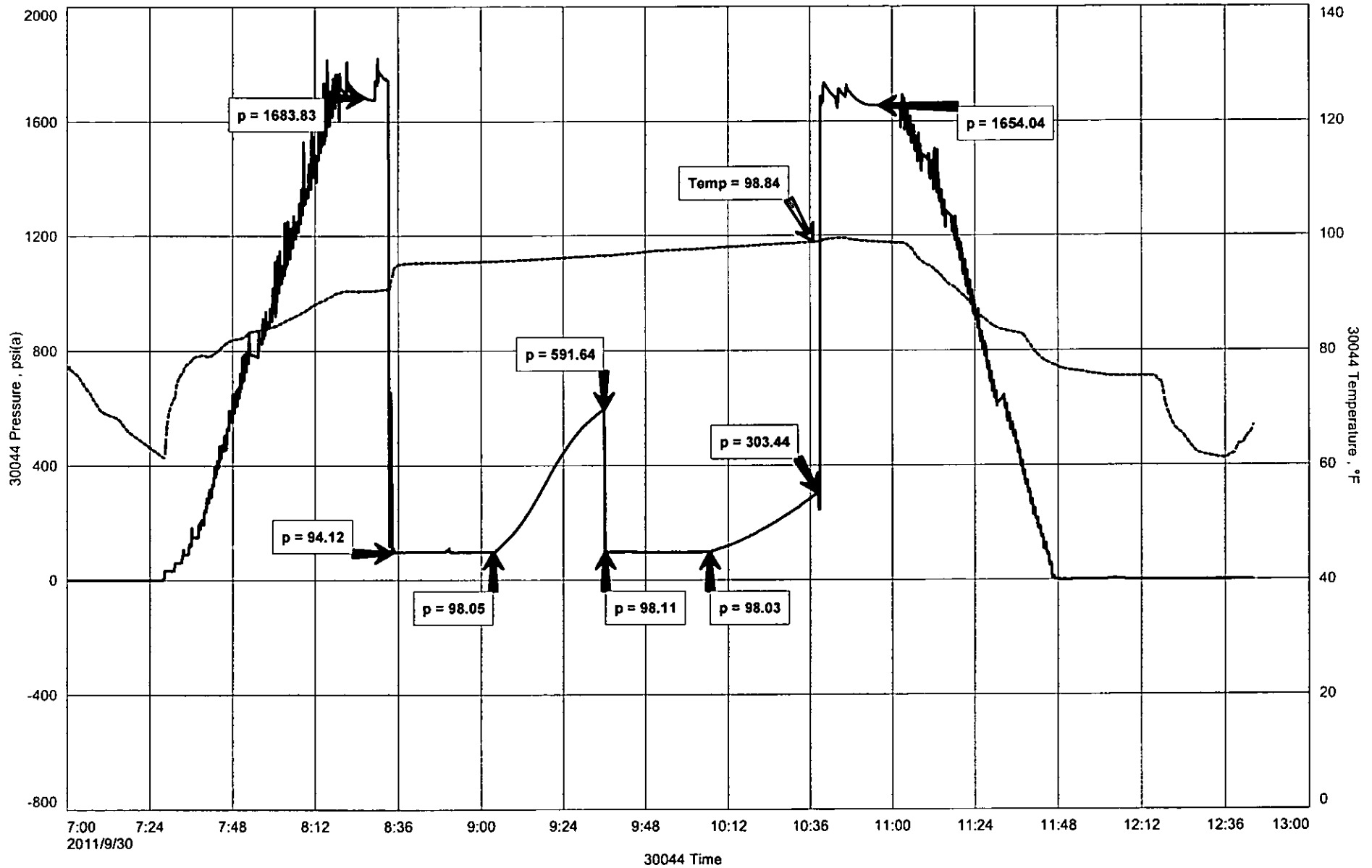
Final Hydrostatic Pressure..... (H) 1658 P.S.I.

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. DRLG
DST#6 3589-3600 ARBUCKLE
Start Test Date: 2011/09/30
Final Test Date: 2011/09/30

BERNICE #4-23
Formation: DST#6 3589-3600 ARBUCKLE
Pool: WILDCAT
Job Number: M219

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M219
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#6 3589-3600 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/09/30
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#6 3589-3600 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/30	Start Test Time	07:00:00
Final Test Date	2011/09/30	Final Test Time	12:45:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
150' DM 100% MUD W/A SCUM OF OIL
150' TOTAL FLUID

TOOL SAMPLE: DM W/ OIL SPOTS AND A SLIGHT GASSY ODOR



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST6

TIME ON: 0700
TIME OFF: 1245

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M219
Date 09/30/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 6 Interval Tested from 3589 ft. to 3600 ft. Total Depth 3600 ft.
Packer Depth 3584 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3589 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3593 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3597 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 53 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Weight 8.7 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 11,800 P.P.M. Drill Pipe Length 3447 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 20 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: WSB, INC TO 1/8" (NO BB)
2nd Open: A FEW BUBBLES ON TOOL OPEN THEN A VWSB, INC. TO 1/8" (NO BB)

Recovered 150 ft. of DM 100% MUD W/A SCUM OF OIL (28'DP, 22' DC)

Recovered 150 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: INITIAL PACKER SEAT POOR, ALLOWED A CAP OF MUD INTO DRILL STRING.

TOOL SAMPLE: DM W/ OIL SPOTS AND A SLIGHT GASSY ODOR

Time Set Packer(s) 8:45 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 10:45 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 99

Initial Hydrostatic Pressure..... (A) 1684 P.S.I.

Initial Flow Period..... Minutes 30 (B) 94 P.S.I. to (C) 98 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 592 P.S.I.

Final Flow Period..... Minutes 30 (E) 98 P.S.I. to (F) 98 P.S.I.

Final Closed In Period..... Minutes 30 (G) 303 P.S.I.

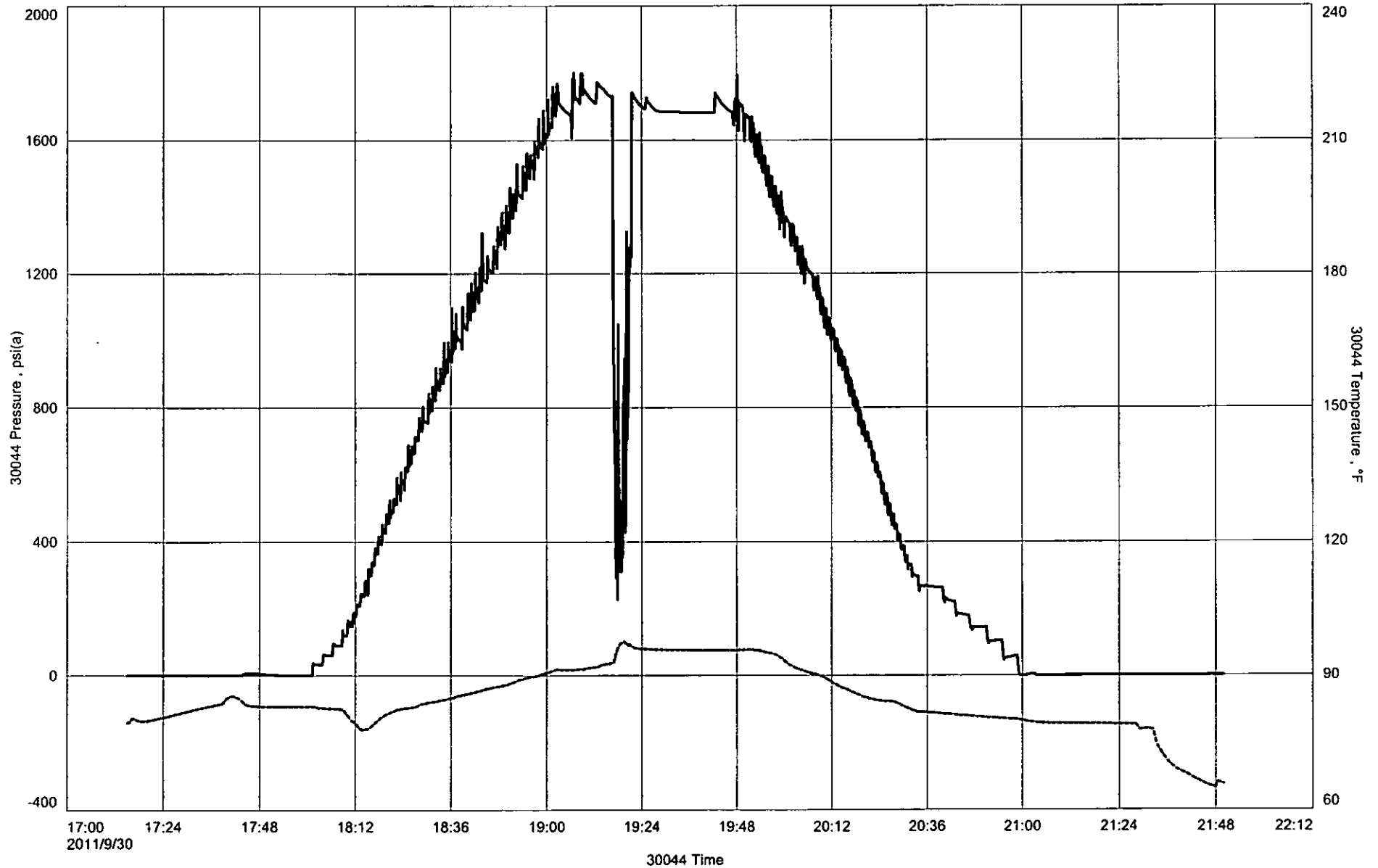
Final Hydrostatic Pressure..... (H) 1654 P.S.I.

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. DRLG
DST#7 3600-3612 ARBUCKLE
Start Test Date: 2011/09/30
Final Test Date: 2011/09/30

BERNICE #4-23
Formation: DST#7 3600-3612 ARBUCKLE
Pool: WILDCAT
Job Number: M220

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M220
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#7 3600-3612 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/09/30
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#7 3600-3612 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/30	Start Test Time	17:15:00
Final Test Date	2011/09/30	Final Test Time	21:50:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
NO PACKER SEAT

TOOL SAMPLE: SPOTS OF OIL IN TOOL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST7

TIME ON: 1715
TIME OFF: 2150

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M220
Date 09/30/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 7 Interval Tested from 3600 ft. to 3612 ft. Total Depth 3612 ft.
Packer Depth 3595 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3600 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3604 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3609 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 53 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 11,800 P.P.M. Drill Pipe Length 3458 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 12 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: NO PACKER SEAT
2nd Open: _____

Recovered 626 ft. of DM (504' DP 122' DC)
Recovered 626 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: SPOTS OF OIL IN TOOL	Total

Time Set Packer(s) 7:15 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 7:20 P.M. ^{A.M.}/_{P.M.} Maximum Temperature _____

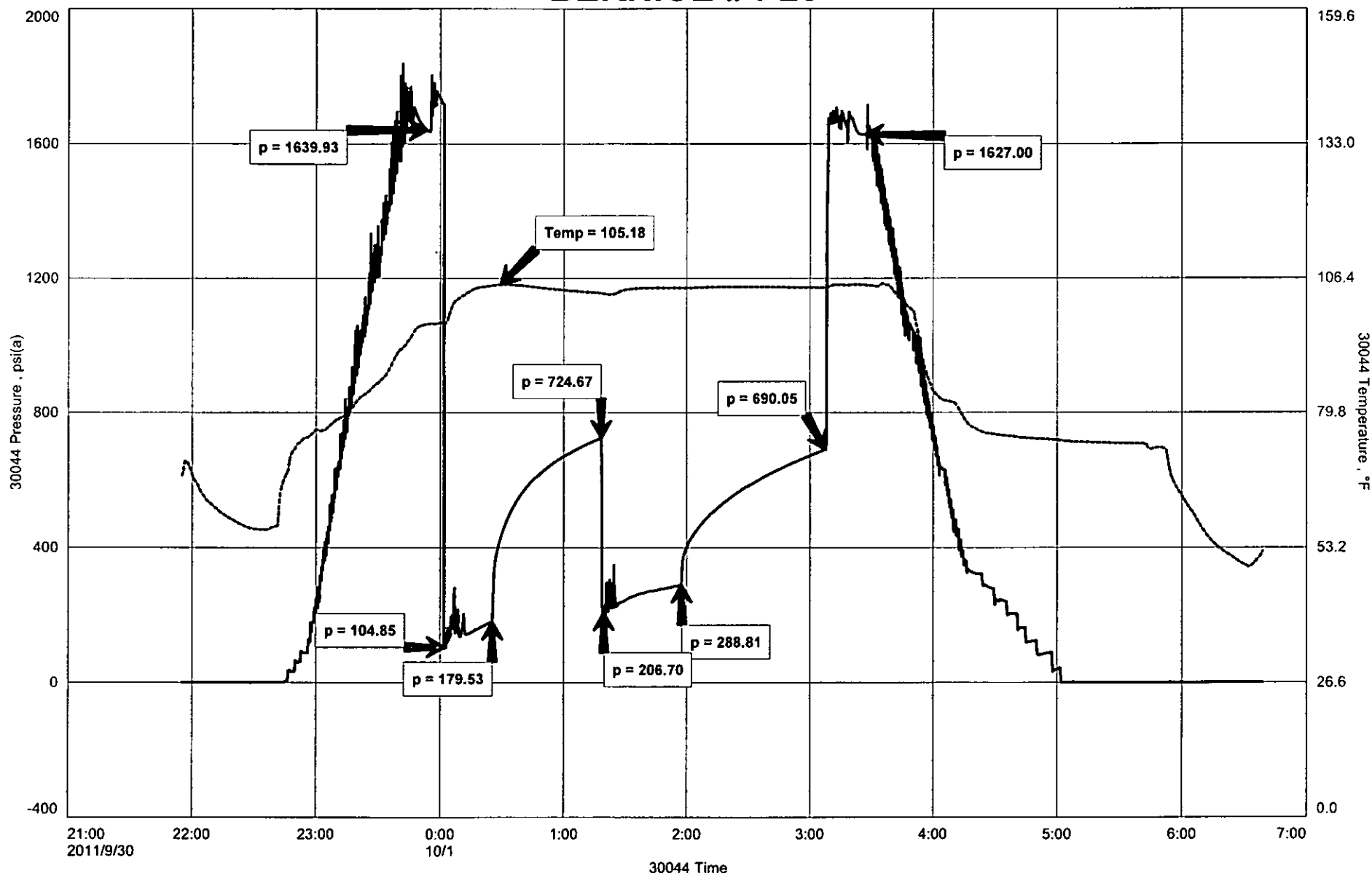
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes (D) _____ P.S.I.
Final Flow Period..... Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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. DRLG
DST#8 3533-3612 ARBUCKLE
Start Test Date: 2011/09/30
Final Test Date: 2011/10/01

BERNICE #4-23
Formation: DST#8 3533-3612 ARBUCKLE
Pool: WILDCAT
Job Number: M221

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M221
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#8 3533-3612 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/10/01
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#8 3533-3612 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/09/30	Start Test Time	21:55:00
Final Test Date	2011/10/01	Final Test Time	06:40:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:

1734' GIP
219' CO 100% OIL
378' GHOCWM 2% GAS, 35% OIL, 17% WTR, 46% MUD
122' GHOCWM 4% GAS, 26% OIL, 20% WTR, 50% MUD
719' TOTAL FLUID

CHLOR: 12,000 PPM
PH:9.5
RW: .46 @79
GRAVITY: 39.0@ 60

TOOL SAMPLE: 2% GAS, 68% OIL, 19% WTR, 11% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST8

TIME ON: 2155 (9/30)
TIME OFF: 0640 (10/1)

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M221
Date 09/30/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 8 Interval Tested from 3533 ft. to 3612 ft. Total Depth 3612 ft.
Packer Depth 3528 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3533 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3537 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3609 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 53 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 11,800 P.P.M. Drill Pipe Length 3391 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 79 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: SSB 4" RIGHT AWAY, BOB 4 MIN (BOB BB)
2nd Open: GSB 1 1/2" RIGHT AWAY, BOB 5 MIN (BOB BB)

Recovered <u>1734</u> ft. of <u>GIP</u>	
Recovered <u>219</u> ft. of <u>CO 100% OIL, GRAVITY: 39.0@ 60°</u>	
Recovered <u>378</u> ft. of <u>GHOCWM 2% GAS, 35% OIL, 17% WTR, 46% MUD</u>	
Recovered <u>122</u> ft. of <u>GHOCWM 4% GAS, 26% OIL, 20% WTR, 50% MUD</u>	
Recovered <u>719</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of <u>CHLOR: 12,000 PPM</u>	Other Charges
Remarks: <u>PH: 9.5</u>	Insurance
<u>RW: .46 @ 79 °</u>	
<u>TOOL SAMPLE: 2% GAS, 68% OIL, 19% WTR, 11% MUD</u>	Total

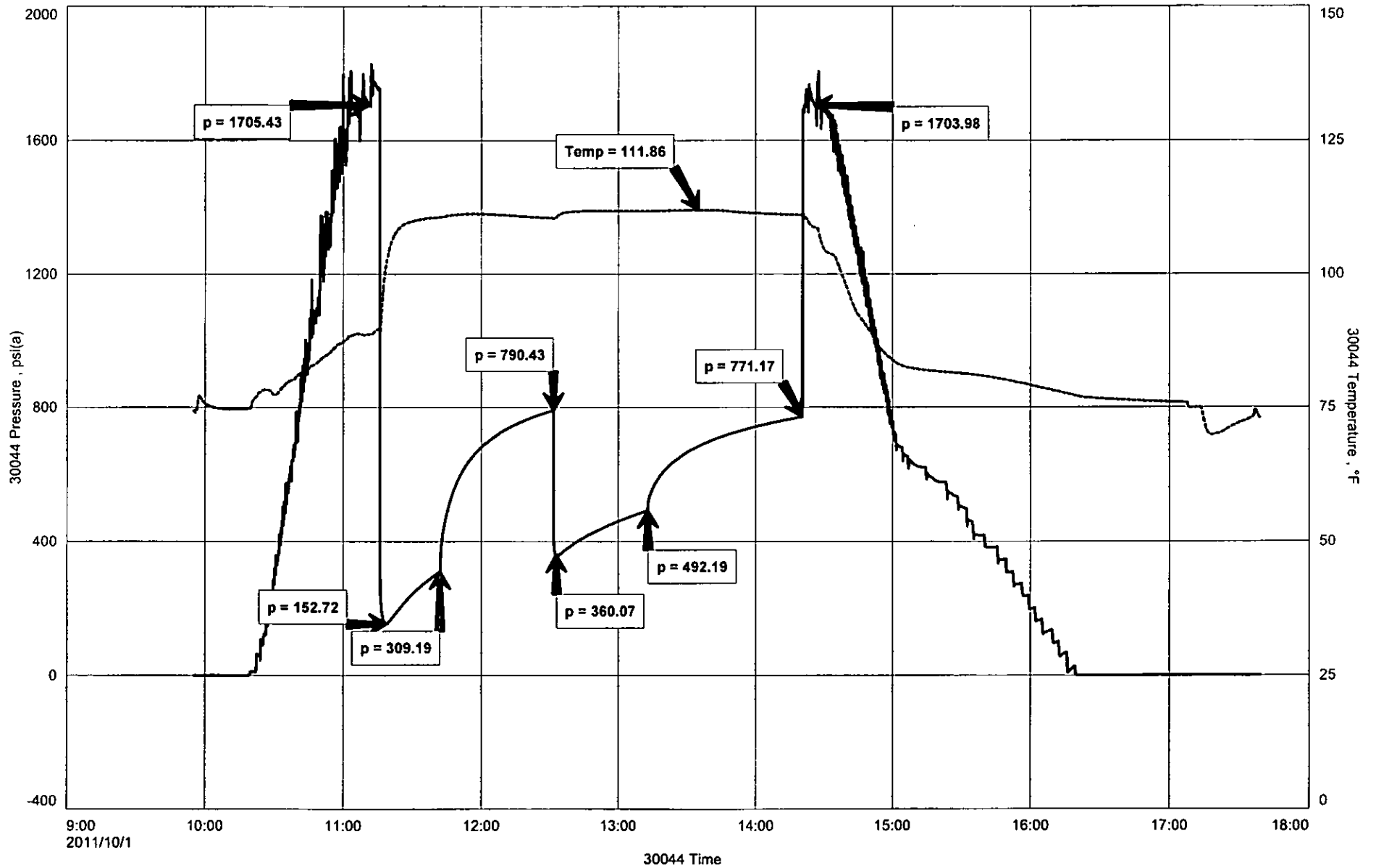
Time Set Packer(s) 12:00 A.M. A.M. P.M. Time Started Off Bottom 3:00 A.M. A.M. P.M. Maximum Temperature 105
Initial Hydrostatic Pressure..... (A) 1640 P.S.I.
Initial Flow Period..... Minutes 30 (B) 105 P.S.I. to (C) 180 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 725 P.S.I.
Final Flow Period..... Minutes 45 (E) 207 P.S.I. to (F) 289 P.S.I.
Final Closed In Period..... Minutes 60 (G) 690 P.S.I.
Final Hydrostatic Pressure..... (H) 1627 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. DRLG
DST#9 3612-3624 ARBUCKLE
Start Test Date: 2011/10/01
Final Test Date: 2011/10/01

BERNICE #4-23
Formation: DST#9 3612-3624 ARBUCKLE
Pool: WILDCAT
Job Number: M222

BERNICE #4-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRLG	Job Number	M222
Well Name	BERNICE #4-23	Representative	MIKE COCHRAN
Unique Well ID	DST#9 3612-3624 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.23-21S-12W STAFFORD CO.KS.	Report Date	2011/10/01
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOSH AUSTIN
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#9 3612-3624 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/10/01	Start Test Time	09:55:00
Final Test Date	2011/10/01	Final Test Time	18:30:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

Test Results

Remarks

RECOVERED:
1953 GIP
1197 FREE OIL
122 GHOCWM 20% GAS, 36% OIL, 20% WTR, 24% MUD
1319 TOTAL FLUID

GRAVITY: 37.2 @ 60

TOOL SAMPLE: 4% GAS, 62% OIL, 12% WTR, 22% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRNCE4-23DST9

TIME ON: 0955
TIME OFF: 1830

Company L.D. DRLG Lease & Well No. BERNICE #4-23
Contractor PETROMARK RIG 2 Charge to L.D. DRLG
Elevation 1838 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M222
Date 10/1/2011 Sec. 23 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative MIKE COCHRAN

Formation Test No. 9 Interval Tested from 3612 ft. to 3624 ft. Total Depth 3624 ft.
Packer Depth 3607 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3612 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3616 ft. Recorder Number 30044 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3621 ft. Recorder Number 13386 Cap. 3,875 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEM Viscosity 58 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 14.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 13,400 P.P.M. Drill Pipe Length 3470 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 12 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: BOB 30 SEC (BOB BB)
2nd Open: BOB 90 SEC. (BOB BB)

Recovered 1953 ft. of GIP
Recovered 1197 ft. of FREE OIL 100% OIL
Recovered 122 ft. of GHOCWM 20% GAS, 36% OIL, 20% WTR, 24% MUD
Recovered 1319 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>GRAVITY: 37.2 @ 60°</u>	Insurance
<u>TOOL SAMPLE: 4% GAS, 62% OIL, 12% WTR, 22% MUD</u>	Total

Time Set Packer(s) 12:00 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 3:00 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 112
Initial Hydrostatic Pressure..... (A) 1705 P.S.I.
Initial Flow Period..... Minutes 30 (B) 153 P.S.I. to (C) 309 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 790 P.S.I.
Final Flow Period..... Minutes 45 (E) 360 P.S.I. to (F) 492 P.S.I.
Final Closed In Period..... Minutes 60 (G) 771 P.S.I.
Final Hydrostatic Pressure..... (H) 1704 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.