



KANSAS CORPORATION COMMISSION 1053622  
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: M V PURCHASING

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
02/07/2011    02/15/2011    02/25/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-185-23667-00-00  
Spot Description: \_\_\_\_\_  
E2 - SE - SE - SW Sec. 23 Twp. 21 S. R. 12  East  West  
330 Feet from  North /  South Line of Section  
2,558 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Stafford  
Lease Name: AUSTIN / BERNICE Well #: 4-23  
Field Name: SAUNDRA  
Producing Formation: ARBUCKLE / BASE KANSAS CITY  
Elevation: Ground: 1836 Kelly Bushing: 1839  
Total Depth: 3677 Plug Back Total Depth: 3615  
Amount of Surface Pipe Set and Cemented at: 353 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: 8600 ppm Fluid volume: 1150 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. 14 Twp. 21 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 Garrison Date: 04/11/2011



1053622

Operator Name: L. D. Drilling, Inc. Lease Name: AUSTIN / 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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run
Electric Log Submitted Electronically
List All E. Logs Run:
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs. / Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives

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

TUBING RECORD: Size: 2.375 Set At: 3612' Packer At: Liner Run: Yes No
Date of First, Resumed Production, SWD or ENHR: 03/01/2011
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
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)
PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	AUSTIN / BERNICE 4-23
Doc ID	1053622

Tops

ANHYDRITE	606	+1233
TOPEKA	2811	-972
HEEBNER	3098	-1259
BROWN LIME	3226	-1387
LANSING	3248	-1409
BASE KANSAS CITY	3478	-1639
VIOLA	3518	-1679
SIMPSON	3556	-1717
ARBUCKLE	3611	-1772



**BASIC**<sup>™</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 03606 A

23-215-12W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>2-8-11</b>		DISTRICT <b>Pratt, Kansas</b>		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 <b>L.D. Drilling, Incorporated</b>		LEASE <b>Austin/Bernice</b>		WELL NO. <b>4-23</b>					
ADDRESS		COUNTY <b>Stafford</b>		STATE <b>Kansas</b>					
CITY		STATE		SERVICE CREW <b>C. Messick, M. Mattal, D. Pbye</b>					
AUTHORIZED BY		JOB TYPE: <b>C.N.W. - Surface</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>37216</b>	<b>.75</b>						<b>2-7-11</b>	<b>8:45</b>	
						ARRIVED AT JOB	<b>2-7-11</b>	<b>11:30</b>	
<b>19903-19905</b>	<b>.75</b>					START OPERATION	<b>2-8-11</b>	<b>1:00</b>	
						FINISH OPERATION	<b>2-8-11</b>	<b>1:45</b>	
<b>19960-19918</b>	<b>.75</b>					RELEASED	<b>2-8-11</b>	<b>2:00</b>	
						MILES FROM STATION TO WELL	<b>45</b>		

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

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

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 101	A Con Blend Cement	sh	175	\$	3,150.00
P CP 100	Common Cement	sh	200	\$	3,200.00
P CC 102	Cellflake	lb	94	\$	347.20
P CC 109	Calcium Chloride	lb	1059	\$	1,111.95
P CC 200	Cement Gel	lb	376	\$	94.00
P CF 153	Wooden Plug, 8 5/8"	ea	1	\$	160.00
P E 100	Pickup Mileage	mi	45	\$	191.25
P E 101	Heavy Equipment Mileage	mi	90	\$	630.00
P E 113	Bulk Delivery	tm	794	\$	1,270.80
P CE 200	Cement Pump: 0 Feet To 500 Feet	hrs	4	\$	1,000.00
P CE 240	Blending and Mixing Service	sh	375	\$	525.00
P CE 504	Plug Container	Job	1	\$	250.00
P S003	Service Supervisor	Job	1	\$	175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		<b>DLS \$ 8,474.06</b>
SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Armando R. M. Ortiz THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer E.D. Drilling, Incorporated	Lease No.	Date 2-8-11
Lease Austin/Bernice	Well # 4-23	
Field Order # 3606	Station Pratt, Kansas	County Stafford
Type Job C.N.W. - Surface	Formation	State Kansas
	Gas 5 1/2" 8 7/8" 24 lb	Depth 353 Feet
		Legal Description 23-215-12W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 8 7/8" 24 lb	Tubing Size 2 7/8"	Shots/Ft	175 sacks	Acid	39	RATE	PRESS	ISIP
Depth 353 Feet	Depth	From	To 12.6 lb	Gal.	11.89 Gal.	5K	2.12	25 lb/st cell flake
Volume 22.5 Bbl.	Volume	From	To 200 sacks	Common with	2.6 Gal.	38		10 Min
Max Press 300 PSI	Max Press	From	To 15 lb	Gal.	6.13 Gal.	Avg	1.34	15 Min
Well Connection Plug on	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 238 Feet	Packer Depth	From	To	Flush	21 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Jim Nichols	Station Manager David Scott	Treater Clarence R. Messich
Service Units	19903	19905
Driver Names Messich	Mattal	Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30					Cementer on location
11:30					Trucks on location and hold safety meeting.
12:00					Petronut Drilling start to run 8 Joints new 24 lb/Ft 8 7/8" casing.
12:50					Casing in well. Circulate for 5 minutes.
1:00	300			5	Start Fresh Water Pre-Flush.
	300		10	5	Start mixing 175 sacks A Concement.
	150		76	5	Start mixing 200 sacks common cement.
	0		123		Stop pumping. Shut in well. Release Wooden Plug. Open Well.
1:30	100			5	Start Fresh Water Displacement
1:35	300		21		Plug down. Shut in well.
					Circulated 5 sacks cement to the pit.
					Washup pump truck.
					Job Complete
					Thank You.
					Clarence, Mike, Dale



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

FIELD SERVICE TICKET  
1718 03701 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>2-15-11</u> DISTRICT <u>Pratt</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>L.D. Drilling</u>		LEASE <u>Austin/Barnie</u>		WELL NO: <u>4-23</u>					
ADDRESS		COUNTY <u>Barton</u>		STATE <u>KS</u>					
CITY STATE		SERVICE CREW <u>Orlando Venick, M. McIsaac</u>							
AUTHORIZED BY		JOB TYPE: <u>CNW 5 1/2 L.S.</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AMP	TIME
<u>27283</u>	<u>1</u>						<u>2-15-11</u>	<u>AM</u>	<u>1:00</u>
<u>27463</u>	<u>1</u>					ARRIVED AT JOB		<u>PM</u>	<u>2:30</u>
<u>19826/19860</u>	<u>1</u>					START OPERATION		<u>AM</u>	<u>7:00</u>
						FINISH OPERATION		<u>PM</u>	<u>8:00</u>
						RELEASED		<u>PM</u>	<u>8:30</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
CPI103	60/40 Poz	SK	150		1800.00
CPI103	60/40 Poz	SK	30		360.00
CC102	Cell Star	Lb	38		140.60
CC111	Salt	Lb	1334		667.00
CC112	Friction Reducer	Lb	65		390.00
CC201	Gilsumit	Lb	750		502.50
CC103	Top Rubber Plug 5 1/2	ea	1		105.00
CC251	Guide Shoe 5 1/2	ea	1		250.00
CC1451	Slapper Type E-cast 5 1/2	ea	1		215.00
CC1651	Turbolizer	ea	5		55.00
C704	KCL Substitute	gal	1		35.00
CC151	Mud Plug	gal	500		430.00
E100	Pickup n. se	mi.	45		191.25
E101	Heavy Equipment Mileage	mi.	90		630.00
G113	Bulk Delivery	Tm	347		558.00
CE204	North Charge 3000-4000	ea	1		2160.00
CE240	Comm. 1 Service Charge	sh	180		252.00
CE204	Plug Contain	ea	1		250.00
SU03	Service Sup 10.00	ea	1		175.00

SUB TOTAL DLS 6956.17

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: \_\_\_\_\_  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>L.D. Drilling</i>	Lease No.	Date <i>2-15-11</i>
Lease <i>Austin/Sun.</i>	Well # <i>11 2 3</i>	
Field Order # <i>3761</i>	Station <i>Pratt</i>	Casing <i>3 1/2"</i>
		Depth <i>3677</i>
Type Job <i>CNW 5/1 L.</i>	Formation	County <i>Barton</i>
		State <i>Ks</i>
		Legal Description <i>23 21-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>3 1/2"</i>	<i>2 3/8"</i>		<i>150</i>	<i>6.0/4.0 P.2</i>				5 Min.
Depth <i>3677</i>	Depth	From	To	Pre Pad	Max			
Volume <i>875</i>	Volume	From	To <i>30</i>	Pad <i>6.0/4.0 P.2</i>	Min			10 Min.
Max Press <i>1170</i>	Max Press	From	To	Frac <i>KH</i>	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>3141</i>	Packer Depth	From	To	Flush <i>86.7</i>	Gas Volume			Total Load

Customer Representative <i>L.D.D.</i>	Station Manager <i>Dave ...</i>	Treater <i>...</i>
Service Units <i>277, 274, 177, 178</i>		
Driver Names <i>W. ... V. ... M. ...</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>3:00 AM</i>					<i>On location - 508 yd ...</i>
					<i>Run 2.6 ...</i>
					<i>Control ...</i>
					<i>On ... On ...</i>
					<i>Break ...</i>
<i>7:07</i>	<i>300</i>		<i>20</i>	<i>5</i>	<i>KGL H2O AM ...</i>
<i>7:11</i>	<i>300</i>		<i>17</i>	<i>5</i>	<i>Mud ...</i>
<i>7:14</i>	<i>300</i>		<i>3</i>		<i>H2O Sp ...</i>
<i>7:15</i>	<i>200</i>		<i>3.8</i>		<i>max 1500 ...</i>
					<i>Shot ...</i>
					<i>Control ...</i>
					<i>Return ...</i>
<i>7:26</i>	<i>8</i>		<i>6</i>	<i>6</i>	<i>Stop H2O Displacement</i>
<i>7:41</i>	<i>400</i>		<i>6</i>		<i>L.S. pressure</i>
<i>7:45</i>	<i>400</i>		<i>7</i>	<i>4</i>	<i>Slow Rate</i>
<i>7:48</i>	<i>100</i>		<i>86.7</i>	<i>4</i>	<i>plug ...</i>
	<i>1800</i>				<i>Control ...</i>
					<i>Control ...</i>
					<i>PL ...</i>
					<i>Control ...</i>
<i>1:00</i>					<i>Control ...</i>

# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 4-23 AUSTIN / BERNICE

FIELD SAUNDRA

LOCATION 330' ESL & 2558' FWL

WELL NO. 23 TWP. 21s R. 12W

COUNTY STAFFORD STATE KANSAS

CONTRACTOR PETROMARK DRILLING, R16.2

SPUD 2-7-11 COMP. 2-15-11

RTD 3675 \* LTD 3648

MUD UP 2823 CHEMICAL TYPE MUD CHEMICAL

ELEVATIONS

KB 1839

DF \_\_\_\_\_

GL 1834

Measurements Are All From 1839 KB

CASING SURFACE 856' @ 318'  
PRODUCTION 511 @

ELECTRICAL SURVEYS  
Dens Int., Dens. - H., Micro

SAMPLES SAVED FROM 3000 TO 3650

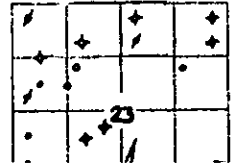
DRILLING TIME KEPT FROM 2750 TO 3675

SAMPLES EXAMINED FROM 3000 TO 3650

GEOLOGICAL SUPERVISION FROM 3200 TO 3650

GEOLOGIST ON WELL KIM B. SHOEMAKER

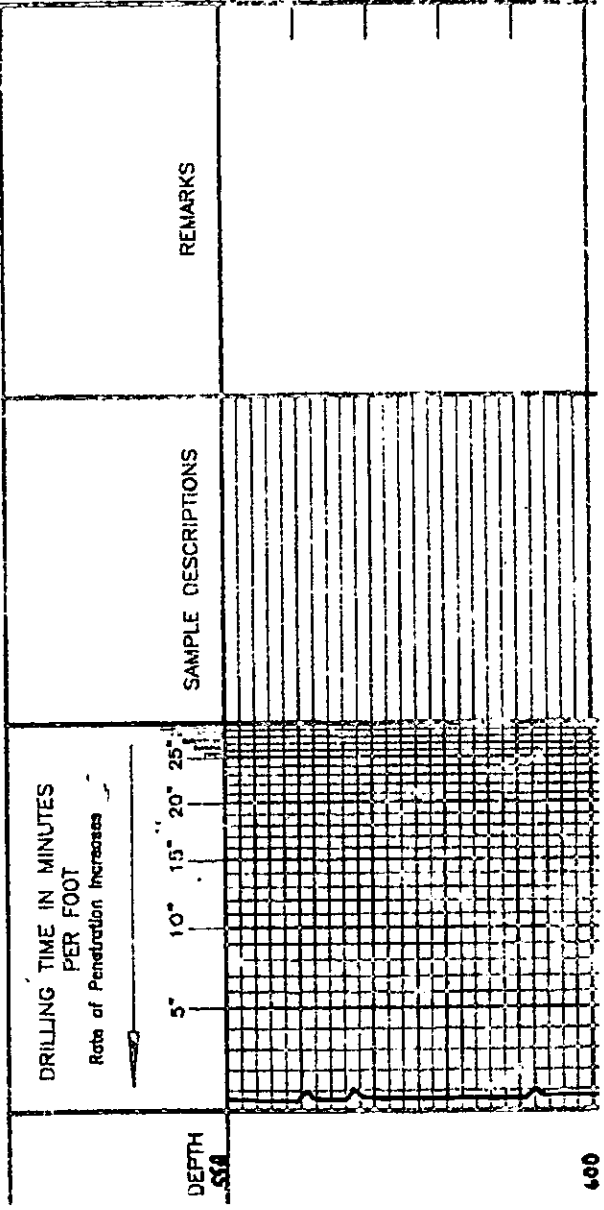
FORMATION TOP'S	LOG	SAMPLES
ANHYDRITE	606+1233	
TOPEKA	2811-972	2811-972
HEESNER	3078-1259	3102-1263
BROWN LIME	3224-1387	3227-1388
LANSING	3248-1409	3248-1409
BIKC	3478-1639	3487-1648
VIOLA	3518-1679	3513-1679



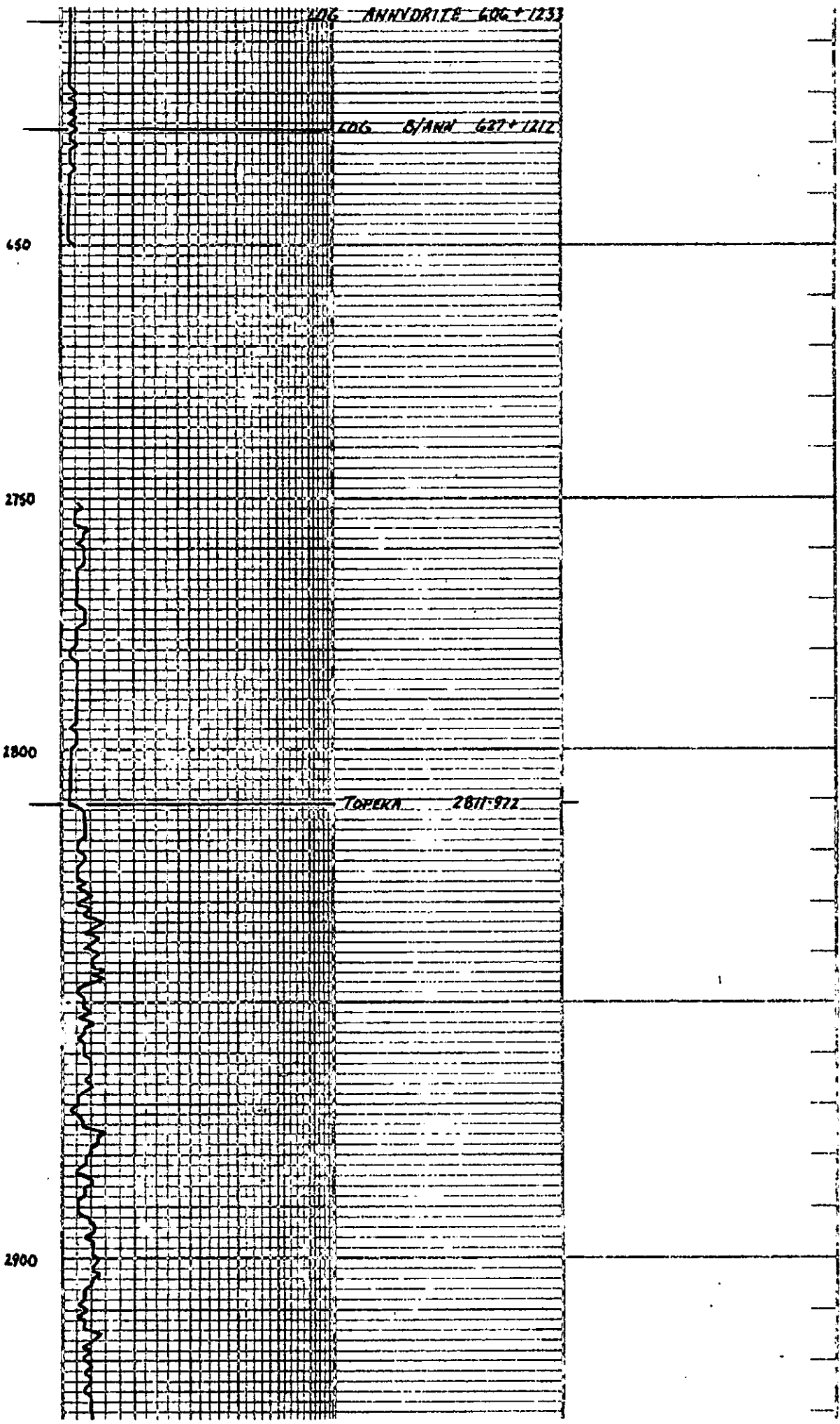
APR. 15. 185 - 2867  
 TO 2. 499 - 3650 drilled 25' (cont.) to 3625 after log

### LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Coar. sh
- Limestone
- Ool. Lime
- Chert
- Dolomite







LOG ANHYDRITE 606+1233

LOG S/ANN 627+1212

650

2750

2800

TOPEKA 2811-972

2900

3000

Sampler acc. lagged

Sh. Dk. Blk. 11. F. Br. 15. F. 10. 11.

15. F. Br. 15. F. 10. 11.

15. F. Br. 15. F. 10. 11.

Sh. G.

15. F. Br. 15. F. 10. 11.

15. F. Br. 15. F. 10. 11.

15. F. Br. 15. F. 10. 11.

15. F. Br. 15. F. 10. 11.

3100

NEEBNER 3102-1265

Sh. Dk. Blk.

11. F. Br. 15. F. 10. 11.

Sh. G.

15. F. Br. 15. F. 10. 11.

15. F. Br. 15. F. 10. 11.

Sh. G.

TORONTO

DOUGLAS

Sh. Dk. Blk. 11. F. Br. 15. F. 10. 11.

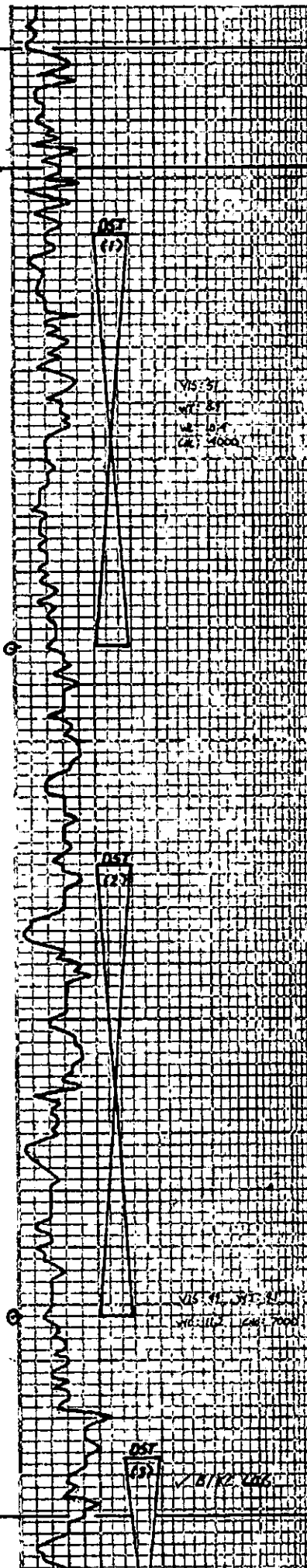
Sh. Dk. Blk. 11. F. Br. 15. F. 10. 11.

3200

Sh. Dk. Blk. 11. F. Br. 15. F. 10. 11.

3300

3400



**BROWN LIME 3227-1388**

13. 7' of St. Paul. Thin.  
Sh. l. gy.

**LANSING 3248-1409**

14. 7' of St. Paul. Thin.  
Sh. l. gy.

15. 7' of St. Paul. Thin.  
Sh. l. gy.

16. 7' of St. Paul. Thin.  
Sh. l. gy.

17. 7' of St. Paul. Thin.  
Sh. l. gy.

18. 7' of St. Paul. Thin.  
Sh. l. gy.

19. 7' of St. Paul. Thin.  
Sh. l. gy.

20. 7' of St. Paul. Thin.  
Sh. l. gy.

21. 7' of St. Paul. Thin.  
Sh. l. gy.

22. 7' of St. Paul. Thin.  
Sh. l. gy.

23. 7' of St. Paul. Thin.  
Sh. l. gy.

24. 7' of St. Paul. Thin.  
Sh. l. gy.

25. 7' of St. Paul. Thin.  
Sh. l. gy.

26. 7' of St. Paul. Thin.  
Sh. l. gy.

27. 7' of St. Paul. Thin.  
Sh. l. gy.

28. 7' of St. Paul. Thin.  
Sh. l. gy.

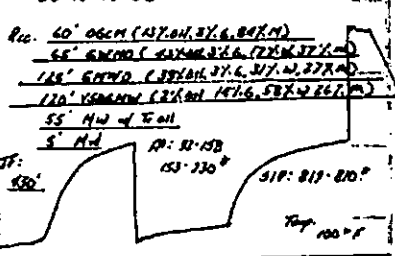
29. 7' of St. Paul. Thin.  
Sh. l. gy.

30. 7' of St. Paul. Thin.  
Sh. l. gy.

**RICKETS TESTING**

**DST (1) 3260-3333**

150' PEN: Bottom bucket 146 MIN. 88: 145"  
200' PEN: " " 305 MIN. 675 35 MIN. 88: 848  
327 MIN. 16 MIN.



15. 7' of St. Paul. Thin.  
Sh. l. gy.

16. 7' of St. Paul. Thin.  
Sh. l. gy.

17. 7' of St. Paul. Thin.  
Sh. l. gy.

18. 7' of St. Paul. Thin.  
Sh. l. gy.

19. 7' of St. Paul. Thin.  
Sh. l. gy.

20. 7' of St. Paul. Thin.  
Sh. l. gy.

21. 7' of St. Paul. Thin.  
Sh. l. gy.

22. 7' of St. Paul. Thin.  
Sh. l. gy.

23. 7' of St. Paul. Thin.  
Sh. l. gy.

24. 7' of St. Paul. Thin.  
Sh. l. gy.

25. 7' of St. Paul. Thin.  
Sh. l. gy.

26. 7' of St. Paul. Thin.  
Sh. l. gy.

27. 7' of St. Paul. Thin.  
Sh. l. gy.

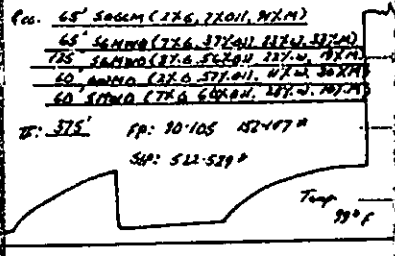
28. 7' of St. Paul. Thin.  
Sh. l. gy.

29. 7' of St. Paul. Thin.  
Sh. l. gy.

30. 7' of St. Paul. Thin.  
Sh. l. gy.

**DST (2) 3372-3452**

150' PEN: Bottom bucket 1 MIN. 88:  
200' PEN: " " 1 MIN. 675 4 MIN. 88:  
5 MIN.



15. 7' of St. Paul. Thin.  
Sh. l. gy.

16. 7' of St. Paul. Thin.  
Sh. l. gy.

17. 7' of St. Paul. Thin.  
Sh. l. gy.

18. 7' of St. Paul. Thin.  
Sh. l. gy.

19. 7' of St. Paul. Thin.  
Sh. l. gy.

20. 7' of St. Paul. Thin.  
Sh. l. gy.

21. 7' of St. Paul. Thin.  
Sh. l. gy.

22. 7' of St. Paul. Thin.  
Sh. l. gy.

23. 7' of St. Paul. Thin.  
Sh. l. gy.

24. 7' of St. Paul. Thin.  
Sh. l. gy.

25. 7' of St. Paul. Thin.  
Sh. l. gy.

26. 7' of St. Paul. Thin.  
Sh. l. gy.

27. 7' of St. Paul. Thin.  
Sh. l. gy.

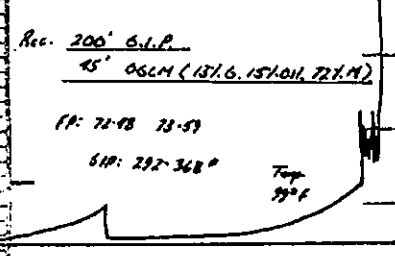
28. 7' of St. Paul. Thin.  
Sh. l. gy.

29. 7' of St. Paul. Thin.  
Sh. l. gy.

30. 7' of St. Paul. Thin.  
Sh. l. gy.

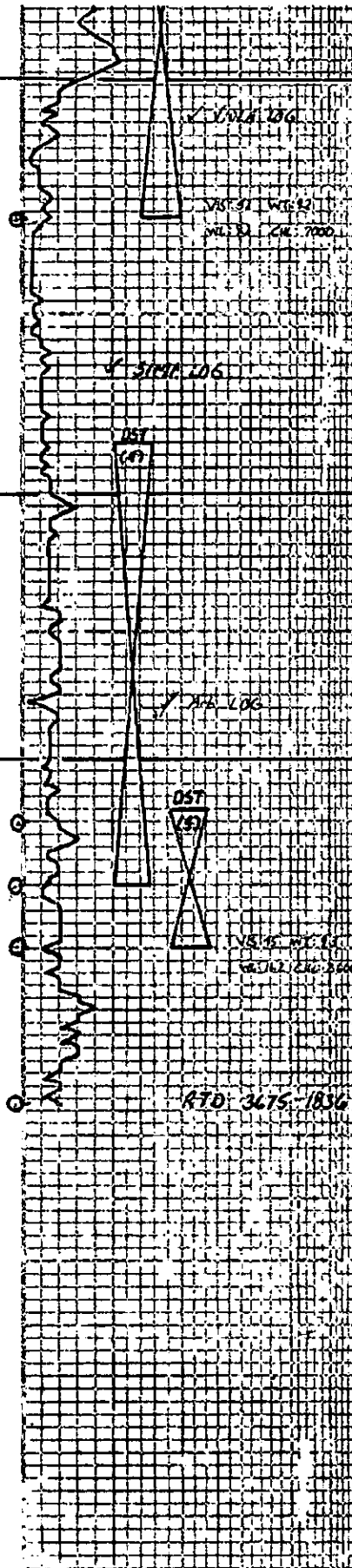
**DST (3) 3472-3535**

150' PEN: Blow hole to 5"  
200' PEN: Bottom bucket 35 MIN. 88: None.



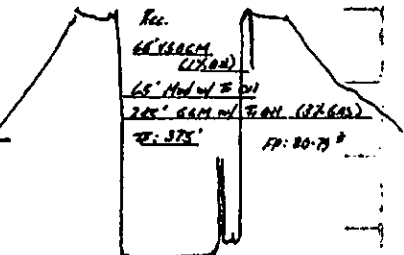
**BIXC 3487-1618**

31. 7' of St. Paul. Thin.  
Sh. l. gy.

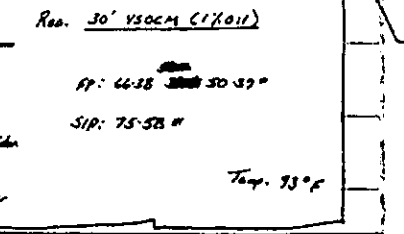


**VICKA 3513-1674**  
 Dr. W. G. ...  
 Dr. ...  
 Dr. ...  
 Dr. ...  
**SIMPSON 3578-7739**  
 Dr. ...  
 Dr. ...  
 Dr. ...  
**ARDUCKLE 3670-1781**  
 Dr. ...  
 Dr. ...  
 Dr. ...  
 Drilled 25 Foot - 21/2" Log  
 TD @ 206 3650  
 DD 3675

**DST LOG 3570-3640 (PACKER FAILED)**  
 1500CM Show built to 8" Packer failed in 28"  
 30



**DST LOG 3628-3650**  
 1500CM Show built to 1 1/2"  
 30-30-30-30



3600

3700

**RTD 3675-1836**

Company **LD Drilling, Inc.**  
 Address **7 SW 28th Ave.**  
 CSZ **Great Bend, KS 67530**  
 Attn. **Kim Shoemaker**

Lease Name **Austen/Bernice**  
 Lease # **4-23**  
 Legal Desc **E/2-SE-SE-SW** Job Ticket **2139**  
 Section **23** Range **12W**  
 Township **21S**  
 County **Stafford** State **KS**  
 Drilling Cont **Petromark Drilling Rig #2**

Comments **Field: Sandra**

**GENERAL INFORMATION**

Test # 1 Test Date **2/12/2011**  
 Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**  
 Mud Type **Gel Chem**  
 Mud Weight **8.9** Viscosity **51.0**  
 Filtrate **10.4** Chlorides **4000**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**  
 Mileage **96** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Safety joint**  
 Time on Site **2:55 PM**  
 Tool Picked Up **5:25 PM**  
 Tool Layed Dwn **12:30 AM**

Drill Collar Len **120.0**  
 Wght Pipe Len **0**

Elevation **1839.00** Kelley Bushings **1844.00**

Formation **Lansing "A-F"**  
 Interval Top **3260.0** Bottom **3333.0**  
 Anchor Len Below **73.0** Between **0**  
 Total Depth **3333.0**

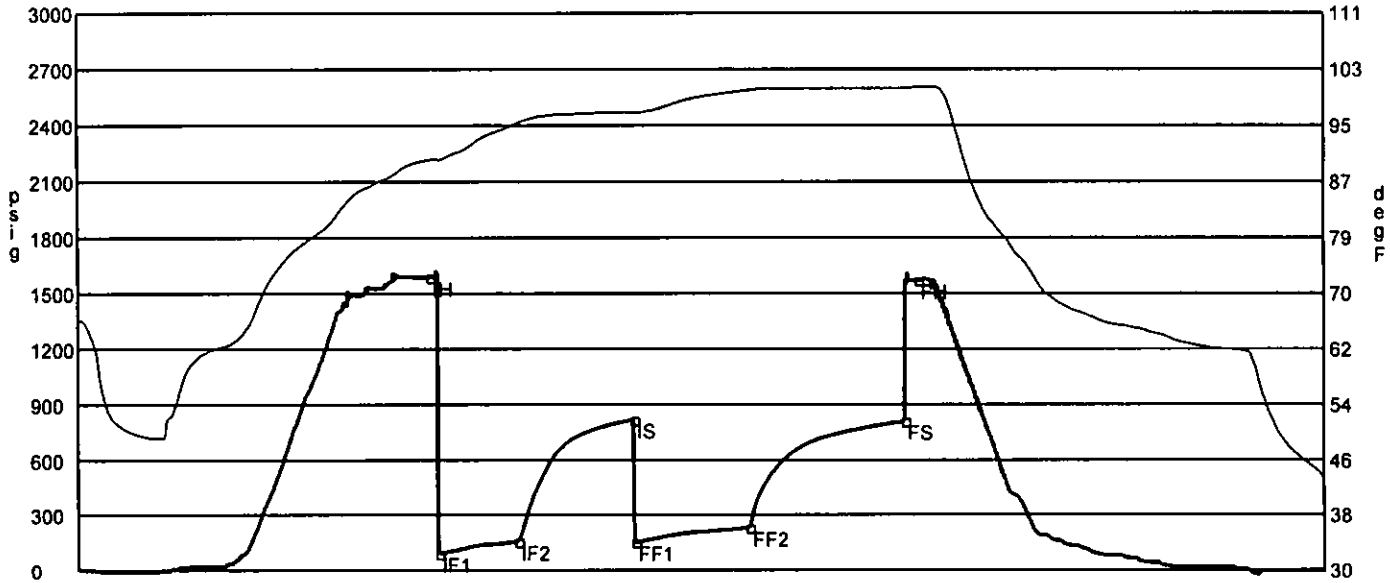
Start Date/Time **2/11/2011 4:54 PM**  
 End Date/Time **2/12/2011 12:56 AM**

Blow Type **Weak 1/2 inch blow at the start of the initial flow period, building, reaching the bottom of the bucket in 1 1/2 minutes. The blow back during the initial shut-in period built to 1 1/2 inches. Strong blow throughout the final flow period, hitting the bottom of the bucket in 30 seconds. Gas to surface in 35 minutes, but was too weak to measure. Weak surface blow back at the start of the final shut-in period, building, reaching the bottom of the bucket in 16 minutes. Times: 30, 45, 45, 60.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
2810	Gas in Pipe	100% 2810ft	0% 0ft	0% 0ft	0% 0ft
60	Gassy, slight oil cut mud	3% 1.8ft	13% 7.8ft	0% 0ft	84% 50.4ft
65	Gassy slight water, very heavy mud cut oil	3% 2ft	43% 28ft	17% 11ft	37% 24ft
125	Gassy, very heavy water, heavy mud cut oil	3% 3.8ft	39% 48.8ft	31% 38.8ft	27% 33.8ft
120	Very gassy, very slight oil, mud cut water	14% 16.8ft	2% 2.4ft	58% 69.6ft	26% 31.2ft
55	Mud cut water with a very slight trace of oil	0% 0ft	trace	72% 39.6ft	28% 15.4ft
5	Mud	0% 0ft	0% 0ft	0% 0ft	100% 5ft

DST Fluids **92000**



	Date	Time	Pressure	Temp	
IH	2/11/2011 7:09:30 PM	2.258333	1587.945	89.813	Initial Hydro-static
IF1	2/11/2011 7:12:50 PM	2.313889	92.263	89.817	Initial Flow (1)
IF2	2/11/2011 7:43:20 PM	2.822222	158.294	95.117	Initial Flow (2)
IS	2/11/2011 8:28:20 PM	3.572222	819.092	96.708	Initial Shut-In
FF1	2/11/2011 8:28:50 PM	3.580556	153.449	96.623	Final Flow (1)
FF2	2/11/2011 9:13:20 PM	4.322222	229.907	99.877	Final Flow (2)
FS	2/11/2011 10:13:20 PM	5.322222	810.394	100.139	Final Shut-In
FH	2/11/2011 10:18:30 PM	5.408333	1571.5	100.306	Final Hydro-static

GAS FLOWS

<u>Min Into IFP</u>	<u>Min Into FFP</u>	<u>Gas Flows</u>	<u>Pressure</u>	<u>Choke</u>
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Company	LD Drilling, Inc.	Lease Name	Austen/Bernice
Address	7 SW 28th Ave.	Lease #	4-23
CSZ	Great Bend, KS 67530	Legal Desc	E/2-SE-SE-SW
Attn.	Kim Shoemaker	Section	23
		Township	21S
		County	Stafford
		Drilling Cont	Petromark Drilling Rig #2
Job Ticket		Range	12W
State			KS

Comments    Field: Sandra

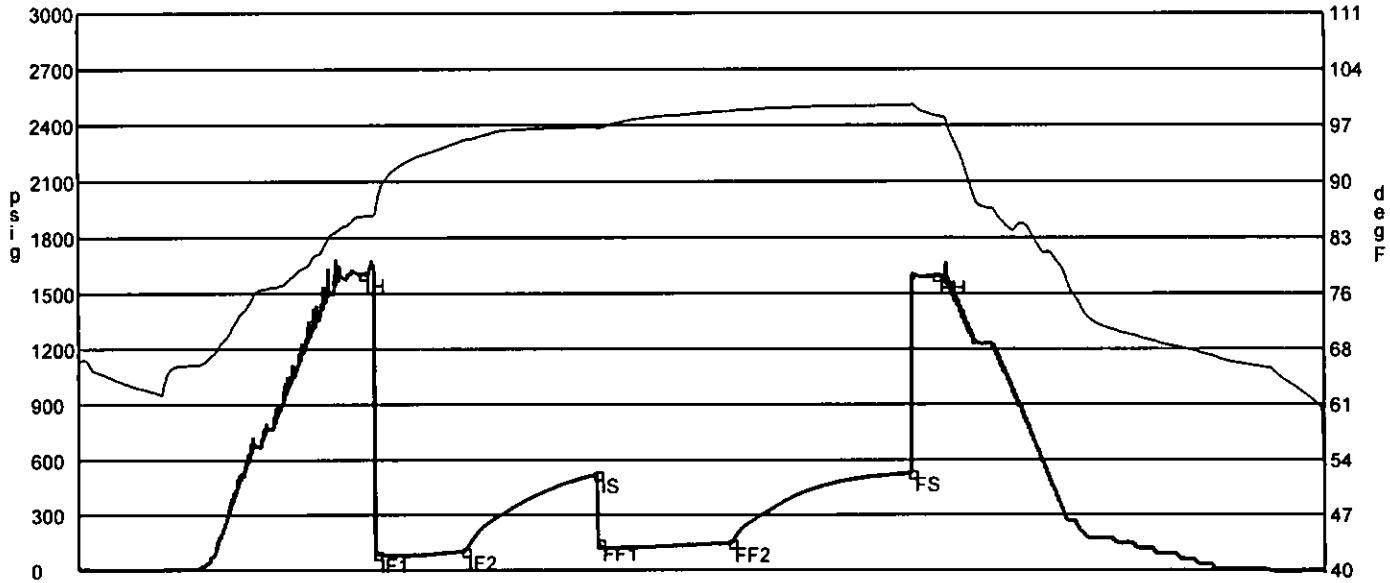
GENERAL INFORMATION

Test # 2	Test Date 2/12/2011	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters	Top Recorder #	W1119		
Test Type	Conventional Bottom Hole	Mid Recorder #	W1022		
	Successful Test	Bott Recorder #	13310		
# of Packers	2.0	Packer Size	6 3/4	Mileage	96
				Standby Time	0
Mud Type	Gel Chem	Extra Equipmnt	Safety joint	Approved By	
Mud Weight	9.1	Viscosity	49.0	Time on Site	10:35 AM
Filtrate	11.2	Chlorides	7000	Tool Picked Up	12:20 PM
				Tool Layed Dwn	6:45 PM
Drill Collar Len	120.0	Elevation	1839.00	Kelley Bushings	1844.00
Wght Pipe Len	0				
Formation	Lansing "H,I,J,K"	Start Date/Time	2/12/2011 11:49 AM		
Interval Top	3372.0	Bottom	3452.0	End Date/Time	2/12/2011 6:49 PM
Anchor Len Below	80.0	Between	0		
Total Depth	3452.0				
Blow Type	Fairly strong 2 1/2 inch blow at the start of the intial flow period, building, reaching the bottom of the bucket in 1 minute. Very strong blow throughout the final flow period, hitting the bottom of the bucket instantaneously. Gas to sur face in 4 minutes. Very weak surface blow back at the start of the final shut-in period, building to 3 inches. Times: 30, 45, 45, 60.				

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
2980	Gas in Pipe	100% 2980ft	0% 0ft	0% 0ft	0% 0ft
65	Gassy, very slight oil cut mud	2% 1.3ft	7% 4.6ft	0% 0ft	91% 59.2ft
65	Gassy, very heavy water, very heavy mud cut oil	7% 4.6ft	37% 24ft	23% 15ft	33% 21.4ft
125	Gassy, water and mud cut oil	3% 3.8ft	56% 70ft	22% 27.5ft	19% 23.8ft
60	Gassy, slight water, mud cut oil	2% 1.2ft	57% 34.2ft	11% 6.6ft	30% 18ft
60	Gassy, slight mud, water cut oil	7% 4.2ft	60% 36ft	23% 13.8ft	10% 6ft

DST Fluids    30000



	Date	Time	Pressure	Temp	
IH	2/12/2011 1:23:50 PM	1.580556	1604.042	85.358	Initial Hydro-static
IF1	2/12/2011 1:28:30 PM	1.658333	89.821	86.413	Initial Flow (1)
IF2	2/12/2011 1:58:20 PM	2.155556	104.746	94.962	Initial Flow (2)
IS	2/12/2011 2:43:00 PM	2.9	522.172	96.529	Initial Shut-In
FF1	2/12/2011 2:43:30 PM	2.908333	152.091	96.474	Final Flow (1)
FF2	2/12/2011 3:28:30 PM	3.658333	146.678	98.621	Final Flow (2)
FS	2/12/2011 4:29:10 PM	4.669444	528.768	99.356	Final Shut-In
FH	2/12/2011 4:37:30 PM	4.808333	1594.2	98.068	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	10	4.91 mcf	8.50 h2o	0.25 in
0	20	5.19 mcf	9.50 h2o	0.25 in
0	30	5.46 mcf	10.50 h2o	0.25 in
0	40	5.05 mcf	9.00 h2o	0.25 in
0	45	4.91 mcf	8.50 h2o	0.25 in



Company **LD Drilling, Inc.**  
 Address **7 SW 28th Ave.**  
 CSZ **Great Bend, KS 67530**  
 Attn. **Kim Shoemaker**

Lease Name **Austen/Bernice**  
 Lease # **4-23**  
 Legal Desc **E/2-SE-SE-SW**  
 Section **23**  
 Township **21S**  
 County **Stafford**  
 Drilling Cont **Petromark Drilling Rig #2**

Job Ticket **2139**  
 Range **12W**  
 State **KS**

Comments **Field: Sandra**

**GENERAL INFORMATION**

Test # **3** Test Date **2/13/2011**  
 Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**

Mud Type **Gel Chem**  
 Mud Weight **9.2** Viscosity **52.0**  
 Filtrate **9.2** Chlorides **7000**

Mileage **96** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Jars & Safety joint**  
 Time on Site **4:00 AM**  
 Tool Picked Up **6:05 AM**  
 Tool Layed Dwn **12:05 PM**

Drill Collar Len **120.0**  
 Wght Pipe Len **0**

Elevation **1839.00** Kelley Bushings **1844.00**

Formation **Cong./Viola**  
 Interval Top **3477.0** Bottom **3535.0**  
 Anchor Len Below **58.0** Between **0**  
 Total Depth **3535.0**

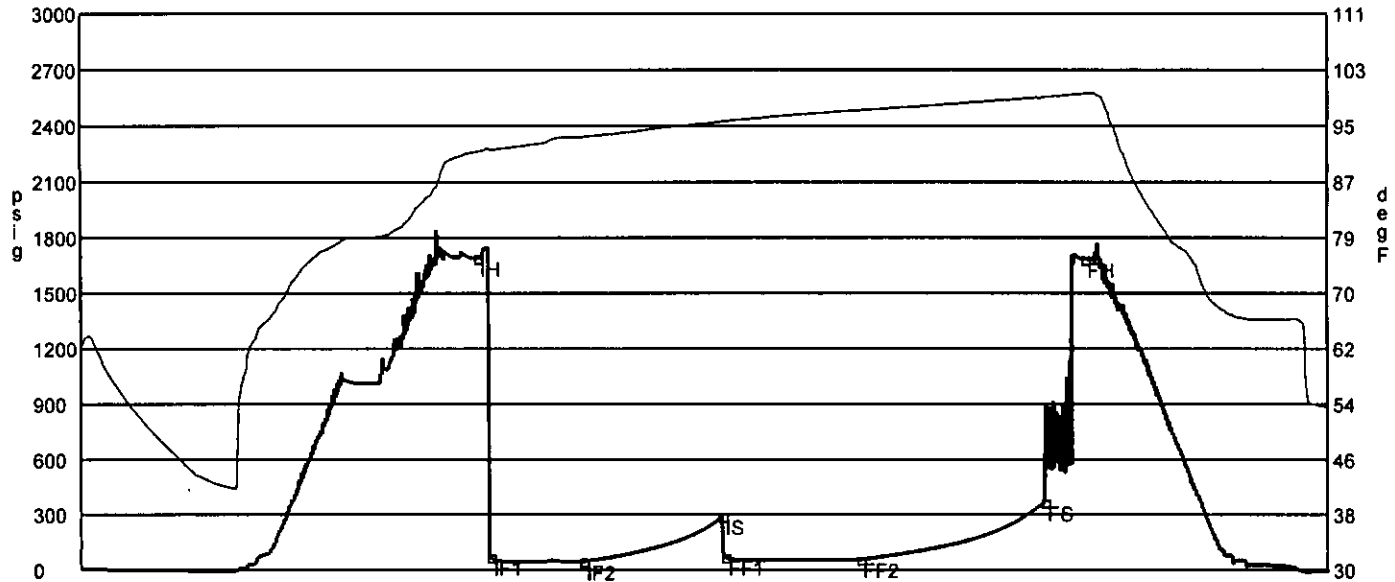
Start Date/Time **2/13/2011 5:23 AM**  
 End Date/Time **2/13/2011 12:08 PM**

Blow Type **Weak surface blow at the start of the initial flow period, building to 5 inches. Very weak surface blow back during the initial shut-in period. Fairly strong 2 1/2 inch blow at the start of the final flow period, building, reaching the bottom of the bucket in 35 minutes. Times: 30, 45, 45, 60.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
200	Gas on Pipe	100% 200ft	0% 0ft	0% 0ft	0% 0ft
45	Gassy, slight oil cut mud	13% 5.9ft	15% 6.8ft	0% 0ft	72% 32.4ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	2/13/2011 7:31:20 AM	2.138889	1691.827	91.125	Initial Hydro-static
IF1	2/13/2011 7:35:20 AM	2.205556	71.974	91.435	Initial Flow (1)
IF2	2/13/2011 8:05:40 AM	2.711111	48.201	93.26	Initial Flow (2)
IS	2/13/2011 8:51:00 AM	3.466667	291.98	95.442	Initial Shut-In
FF1	2/13/2011 8:51:50 AM	3.480556	72.592	95.443	Final Flow (1)
FF2	2/13/2011 9:35:50 AM	4.213889	58.631	97.122	Final Flow (2)
FS	2/13/2011 10:36:00 AM	5.216667	367.51	98.953	Final Shut-In
FH	2/13/2011 10:49:00 AM	5.433333	1685.165	99.48	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **LD Drilling, Inc.**  
 Address **7 SW 28th Ave.**  
 CSZ **Great Bend, KS 67530**  
 Attn. **Kim Shoemaker**

Lease Name **Austen/Bernice**  
 Lease # **4-23**  
 Legal Desc **E/2-SE-SE-SW** Job Ticket **2139**  
 Section **23** Range **12W**  
 Township **21S**  
 County **Stafford** State **KS**  
 Drilling Cont **Petromark Drilling Rig #2**

Comments **Field: Sandra**

**GENERAL INFORMATION**

Test # **4** Test Date **2/14/2011**  
 Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**

# of Packers **2.0** Packer Size **6 3/4**

Mileage **96** Approved By

Mud Type **Gel Chem**  
 Mud Weight **9.2** Viscosity **52.0**  
 Filtrate **9.2** Chlorides **7000**

Standby Time **0**  
 Extra Equipmnt **Jars, Safety joint, Small packer**  
 Time on Site **7:45 PM**  
 Tool Picked Up **10:55 PM**  
 Tool Layed Dwn **2:45 AM**

Drill Collar Len **120.0**  
 Wght Pipe Len **0**

Elevation **1839.00** Kelley Bushings **1844.00**

Formation **Arbuckle**  
 Interval Top **3570.0** Bottom **3640.0**  
 Anchor Len Below **70.0** Between **0**  
 Total Depth **3640.0**

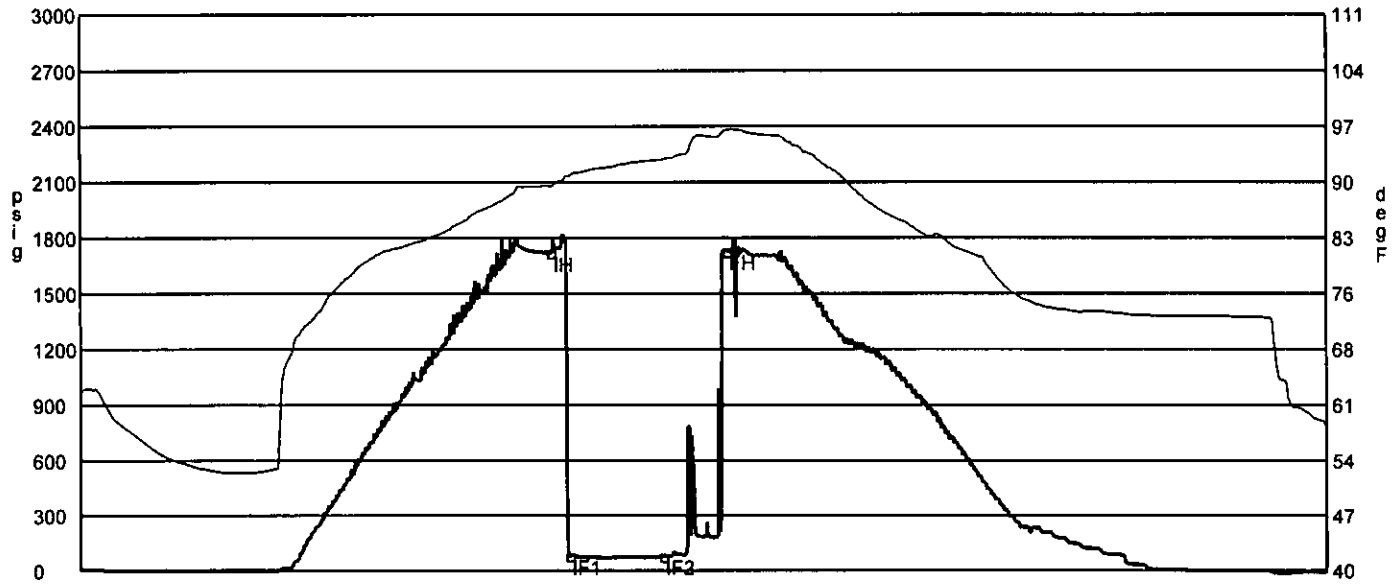
Start Date/Time **2/13/2011 10:24 PM**  
 End Date/Time **2/14/2011 2:47 AM**

Blow Type **Weak 1/2 inch blow at the start of the initial flow period, building to 4 inches in 25 minutes. We lost packer seed before we turned the tool. I'm guessing we would have had a 4 to 5 inch blow. Times: 30, 0, 0, 0.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
65	Very slight oil cut mud	0% 0ft	1% 0.6ft	0% 0ft	99% 64.4ft
65	Mud with a very slight trace of oil	0% 0ft	trace	0% 0ft	100% 65ft
245	Gassy mud with a very slight trace of oil	3% 7.4ft	trace	0% 0ft	97% 237.6ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	2/14/2011 12:02:40 AM	1.644444	1721.014	89.279	Initial Hydro-static
IF1	2/14/2011 12:06:40 AM	1.711111	79.998	90.49	Initial Flow (1)
IF2	2/14/2011 12:26:30 AM	2.041667	78.659	92.603	Initial Flow (2)
FH	2/14/2011 12:40:00 AM	2.266667	1729.201	96.346	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **LD Drilling, Inc.**  
 Address **7 SW 28th Ave.**  
 CSZ **Great Bend, KS 67530**  
 Attn. **Kim Shoemaker**

Lease Name **Austen/Bernice**  
 Lease # **4-23**  
 Legal Desc **E/2-SE-SE-SW** Job Ticket **2139**  
 Section **23** Range **12W**  
 Township **21S**  
 County **Stafford** State **KS**  
 Drilling Cont **Petromark Drilling Rig #2**

Comments **Field: Sandra**

**GENERAL INFORMATION**

Test # **5** Test Date **2/14/2011**  
 Tester **Tim Venters**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**  
 # of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**  
 Mud Weight **9.3** Viscosity **45.0**  
 Filtrate **11.2** Chlorides **8600**

Drill Collar Len **120.0**  
 Wght Pipe Len **0**

Formation **Arbuckle**  
 Interval Top **3628.0** Bottom **3650.0**  
 Anchor Len Below **22.0** Between **0**  
 Total Depth **3650.0**  
 Blow Type **Weak 1/2 inch blow at the start of the intial flow period, building to 1 1/2 inc**

**hes in 10 minutes where it held the rest of the period. Weak surface blow at th**  
**e start of the final flow period, building to 1/4 inch. Weak surface blow back**  
**during the final shut-in period. Times: 30, 30, 30, 30.**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **W1119**  
 Mid Recorder # **W1022**  
 Bott Recorder # **13310**

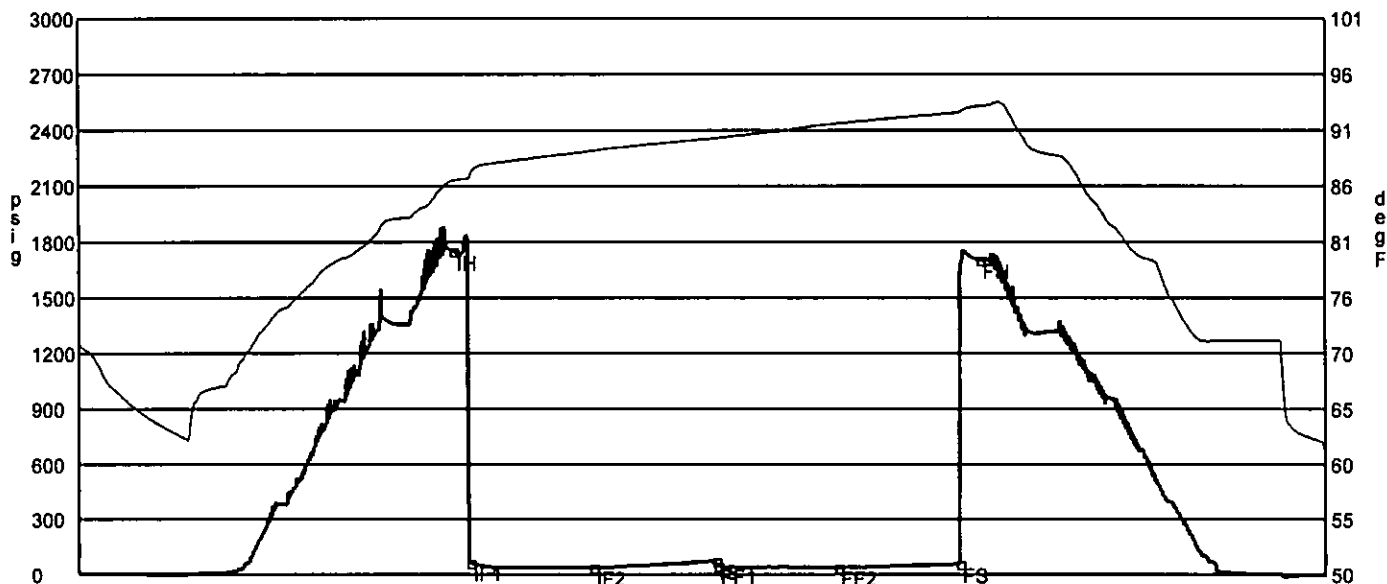
Mileage **0** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Jars & Safety joint**  
 Time on Site **7:45 PM**  
 Tool Picked Up **10:20 AM**  
 Tool Layed Dwn **2:50 PM**

Elevation **1839.00** Kelley Bushings **1844.00**

Start Date/Time **2/14/2011 9:51 AM**  
 End Date/Time **2/14/2011 2:55 PM**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
30	Very slight oil cut mud	0% 0ft	1% 0.3ft	0% 0ft	99% 29.7ft
DST Fluids		<b>0</b>			



	Date	Time	Pressure	Temp	
IH	2/14/2011 11:21:50 AM	1.513889	1751.53	86.222	Initial Hydro-static
IF1	2/14/2011 11:25:50 AM	1.580556	66.091	86.558	Initial Flow (1)
IF2	2/14/2011 11:56:00 AM	2.083333	38.429	88.915	Initial Flow (2)
IS	2/14/2011 12:26:00 PM	2.583333	75.375	90.09	Initial Shut-In
FF1	2/14/2011 12:26:30 PM	2.591667	49.608	90.103	Final Flow (1)
FF2	2/14/2011 12:56:00 PM	3.083333	39.377	91.427	Final Flow (2)
FS	2/14/2011 1:25:50 PM	3.580556	57.774	92.401	Final Shut-In
FH	2/14/2011 1:30:50 PM	3.663889	1703.785	93.007	Final Hydro-static

GAS FLOWS

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke