KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1051655

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

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 #:

11/01/2010	11/07/2010	11/18/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23646-00-00
Spot Description:
SW - SE - NW - NW Sec. 3 Twp. 22 S. R. 12 ☐ East ☐ West
1206 Feet from ☐ North / ☐ South Line of Section
980 Feet from ☐ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
County: Stafford
Lease Name: SIEFKES 'B' Well #: 15-3
Field Name: MAX
Producing Formation: ARBUCKLE
Elevation: Ground: 1851 Kelly Bushing: 1857
Total Depth: 3718 Plug Back Total Depth: 3663
Amount of Surface Pipe Set and Cemented at: 394 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: 8000 ppm Fluid volume: 00 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

☐ **Letter of Confidentiality Received**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 03/04/2011

Side Two

1051655

Operator Name: L. D. Drilling, Inc. Lease Name: SIEFKES 'B' Well #: 15-3

Sec. 3 Twp. 22 S. R. 12 ☐ East ☐ West County: Stafford

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No
Electric Log Run ☐ Yes ☐ No
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

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	394	A-CON	175	3%CC, .25#CF
SURFACE CONT	12.25	8.625	24	394	COMMON	200	2%Gel,3%CC,.25#CF
PRODUCTION - USED	7.875	5.5	14	3717	60/40 POZMIX	180	18%Salt,.5%CFR,5#Gil,.25#CF

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3614 - 3615'; 3614.5 - 3615.5'	250 gal 15% NE FE HCL Acid	
		500 gal 28% NE Acid	

TUBING RECORD: Size: 2.875 Set At: 3663 Packer At:

Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 01/07/2011

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
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SIEFKES 'B' 15-3
Doc ID	1051655

All Electric Logs Run

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
SONIC BOND LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SIEFKES 'B' 15-3
Doc ID	1051655

Tops

Name	Top	Datum
ANHYDRITE	638	+1219
BASE ANHYDRITE	660	+1197
HEEBNER	3128	-1271
TORONTO	3146	-1289
DOUGLAS	3160	-1303
BROWN LIME	3262	-1402
LANSING	3276	-1419
BASE KANSAS CITY	3497	-1640
VIOLA	3518	-1661
SIMPSON SHALE	3556	-1699
ARBUCKLE	3614	-1757

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 02944 A

3-22S-12W

DATE TICKET NO.

DATE OF JOB 11-2-10 DISTRICT Pratt, Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.D. Drilling, Incorporated	LEASE Siefkes "B" WELL NO. 15-3
ADDRESS	COUNTY Stafford STATE Kansas
CITY STATE	SERVICE CREW C. Messick; C. Veatch; L. Wiser
AUTHORIZED BY	JOB TYPE: C.N.W. - Surface

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
19,866	.75				
19,903-19,905	.75				
19,960-19,918	.75				

	DATE	TIME
TRUCK CALLED	11-1-10 AM	9:00
ARRIVED AT JOB	11-1-10 AM	11:30
START OPERATION	11-2-10 AM	1:00
FINISH OPERATION	11-2-10 AM	1:45
RELEASED	11-2-10 AM	2:15
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: _____
(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	sk	175		$ 3,150 00
P	CP 100	Common Cement	sk	200		$ 3,200 00
P	CC 102	Cellflake	Lb	94		$ 347 80
P	CC 109	Calcium Chloride	Lb	1,059		$ 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	Job	1		$ 1,000 00
P	CE 240	Blending and Mixing Service	sk	375		$ 525 00
P	CE 504	Plug Container	Job	1		$ 250 00
P	S 003	Service Supervisor	Job	1		$ 175 00
					SUB TOTAL	$ 8,474 06
					SERVICE & EQUIPMENT %TAX ON $	
					MATERIALS %TAX ON $	
					TOTAL	

DLS

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE: Lawrence R. Messick

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Lee D. Jones
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: L.D. Drilling, Incorporated	Lease No.	Date: 11-2-10	
Lease: Sieftes "B"	Well #: 15-3		
Field Order #: 2944	Station: Pratt, Kansas	Casing: 8⅝" 24Lb.	Depth: 395 Feet
County: Stafford	State: Kansas		
Type Job: C.N.W. - Surface	Formation	Legal Description: 3-22S-12W	

PIPE DATA		PERFORATING DATA	FLUID USED	TREATMENT RESUME		
Casing Size: 8⅝" 24Lb./Ft.	Tubing Size	Shots/Ft: 175 sacks A Con with 3% Calcium Chloride, .25 Lb./Sk. Cellflake		RATE	PRESS	ISIP
Depth: 395 Feet	Depth	From	To: 12.6 Lb. 7 Gal., 11.89 Gal.	Max: 5 Bbl., 2.12 Cu. F T./Sk.		5 Min.
Volume: 2.33 Bbl.	Volume	From: 200 sacks Common with 2% Gel 3% Calcium Chloride, .25 Lb./Sk. Cellflake	Pad	Min: Calcium Chloride, .25 Lb./Sk. Cellflake		10 Min.
Max. Press: 250 PSI	Max Press	From	To: 15 Lb. Gal., 6.13 Gal./Sk.	Avg: 5 Bbl., 1.34 Cu. F T./Sk.		15 Min.
Well Connection: Plug Container	Annulus Vol.	From	To	HHP Used		Annulus Pressure
Plug Depth: 380 Feet	Packer Depth	From	To	Flush: 24 Bbl. Fresh Water	Gas Volume	Total Load

Customer Representative: Jim Michel | Station Manager: David Scott | Treater: Clarence R. Messick

Service Units	19,866	19,903	19,905	19,960	19,918						
Driver Names	Messick	Veatch		Wiser							

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:45	--				Cementer on location.
11:30		Trucks on location and hold safety meeting.			
	Petromark Drilling start to run 9 Joints new 24 Lb./Ft. 8⅝" casing.				
12:53					Casing in well. Circulate for 5 minutes.
1:00	275			5	Start Fresh Water Pre-Flush.
	300		10	5	Start mixing 175 sacks A Con Blend cement.
			76	5	Start mixing 200 sacks common cement.
	-0-		123		Stop pumping. Shut in well. Release Wooden Plug. Open Well.
1:37	100			5	Start Fresh Water Displacement.
1:42	300		24		Plug down. Shut in well.
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
2:15					Job Complete.
					Thank You.
					Clarence, Chris, Lucas

Taylor Printing, Inc. 620-672-3656

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 02798 A

DATE TICKET NO.

DATE OF JOB 11/8/10 DISTRICT PRATT, KS	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L & D DRILLING	LEASE SIEFKES 'B' WELL NO. 15
ADDRESS	COUNTY STAFFORD STATE KS
CITY STATE	SERVICE CREW KC, JH, BRAD
AUTHORIZED BY	JOB TYPE: CNW - LONGSTRING

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
19907		~~19834~~			
		~~19862~~			
19889					
19842	4	19959	4		
		21010			

TRUCK CALLED	DATE 11-8	AM/PM TIME 0500
ARRIVED AT JOB		AM/PM 0900
START OPERATION		AM/PM 1130
FINISH OPERATION		AM/PM 1200
RELEASED		AM/PM 2330
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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP103	60/40 POZ		150 SK		1800.00
CP103	60/40 POZ		30 SK		360.00
CC102	CELLFLAKE		38 lb		140.60
CC111	SALT		1334 lb		667.00
CC112	CFR		65 lb		390.00
CC201	BENSONITE		750 lb		502.50
CF103	5½ TOP RUBBER PLUG		1 EA.		105.00
CF251	5½ GUIDE SHOE		1 EA.		250.00
CF1451	5½ AFU INSERT FLOAT		1 EA.		215.00
CF1651	5½ TURBOLIZER		5 EA.		550.00
C704	CS-1L KCL		1 GAL		35.00
CC151	MUDFLUSH		500 SGL		430.00
E100	PICKUP MILEAGE		45 mile		191.25
E101	TRUCK MILEAGE		90 mile		630.00
E113	BULK DELIVERY		349 TM		558.40
CE204	PUMP CHARGE		1 EA		2160.00
CE240	BLEND CHARGE		180 SK		252.00
CE504	PLUG CONTAINER		1 EA.		250.00
5003	SERVICE SUPERVISOR		1 EA.		175.00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	6473.10

DLS KC

SERVICE REPRESENTATIVE K. GORSUCH

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jim Nichols
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC energy services, L.P.

TREATMENT REPORT

Customer L D DRILLING	Lease No.		Date 11-8-10
Lease SIEFKES 'B'	Well # 15-3		
Field Order # 2178	Station PRATT, KS	Casing 5½ Depth 3717'	County STAFFORD State KS.
Type Job ONW - LONGSTRING		Formation LKC - 3718	Legal Description 3-22-12

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5½	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3717	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 3715	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative LD	Station Manager SCOTT	Treater CORDLEY	
Service Units 19907	19885-15842	~~19831-19866~~	19959-21010
Driver Names KS	JAMES A.	BRAD	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0700					ON LOCATION
					RUN 3714' 5½ CSG - 87 JTS
					GUIDE SHOE, INSERT ON 1ST COLLAR
					CENT. - 1-3-5-7-9
					TAG BOTTOM - DROP BALL - CIRC.
					SET 5½ AT 3717' COLLAR AT G.L.
1130	300		20	6	PUMP 20 bbl 2% KCL H2O
	300		12	6	PUMP 12 bbl MUD FLUSH
	300		3	6	PUMP 3 bbl H2O
	200		31	6	PUMP 150 sk 60/40 POZ
					18% SALT, ¾% CFR, 5# GASONITE, ¼# C.F.
					STOP WASH UP & LINE - DROP PLUG
	0		0	6	START DISP.
	200		72	6	LOST RETURNS
	600		80	3	SLOW RATE
1200	1000		89½	3	PLUG DOWN - HELD
					PLUG RAT HOLE - 30 sk 60/40 POZ
1230					JOB COMPLETE - KEVIN

Taylor Printing, Inc. 620-672-3656

DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D. DRLG

Contact	L.D. DAVIS
Well Name	SIEFKES "B" #15-2
Unique Well ID	DST#1 3294-3360 LANS B-F
Surface Location	SEC. 3-22S-12W STAFFORD CO. KS.
Field	WILDCAT
Well Type	Vertical

Job Number	MO44
Representative	MIKE COCHRAN
Well Operator	L.D. DRLG
Report Date	2010/11/05
Prepared By	MIKE COCHRAN

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 3294-3360 LANS B-F
Well Fluid Type	01 Oil
Test Purpose (AEUB)	

Start Test Time	11:47:00
Final Test Time	16:25:00

Start Test Date	2010/11/05
Final Test Date	2010/11/05

Gauge Name	30037
Test Type Name	

Test Results

RECOVERED: 242' WM 5% WTR, 95% MUD
126' WM 20% WTR, 80% MUD
504 MW 80% WTR, 20% MUD
120' MW 90% WTR, 10 % MUD
994' TOTAL FLUID

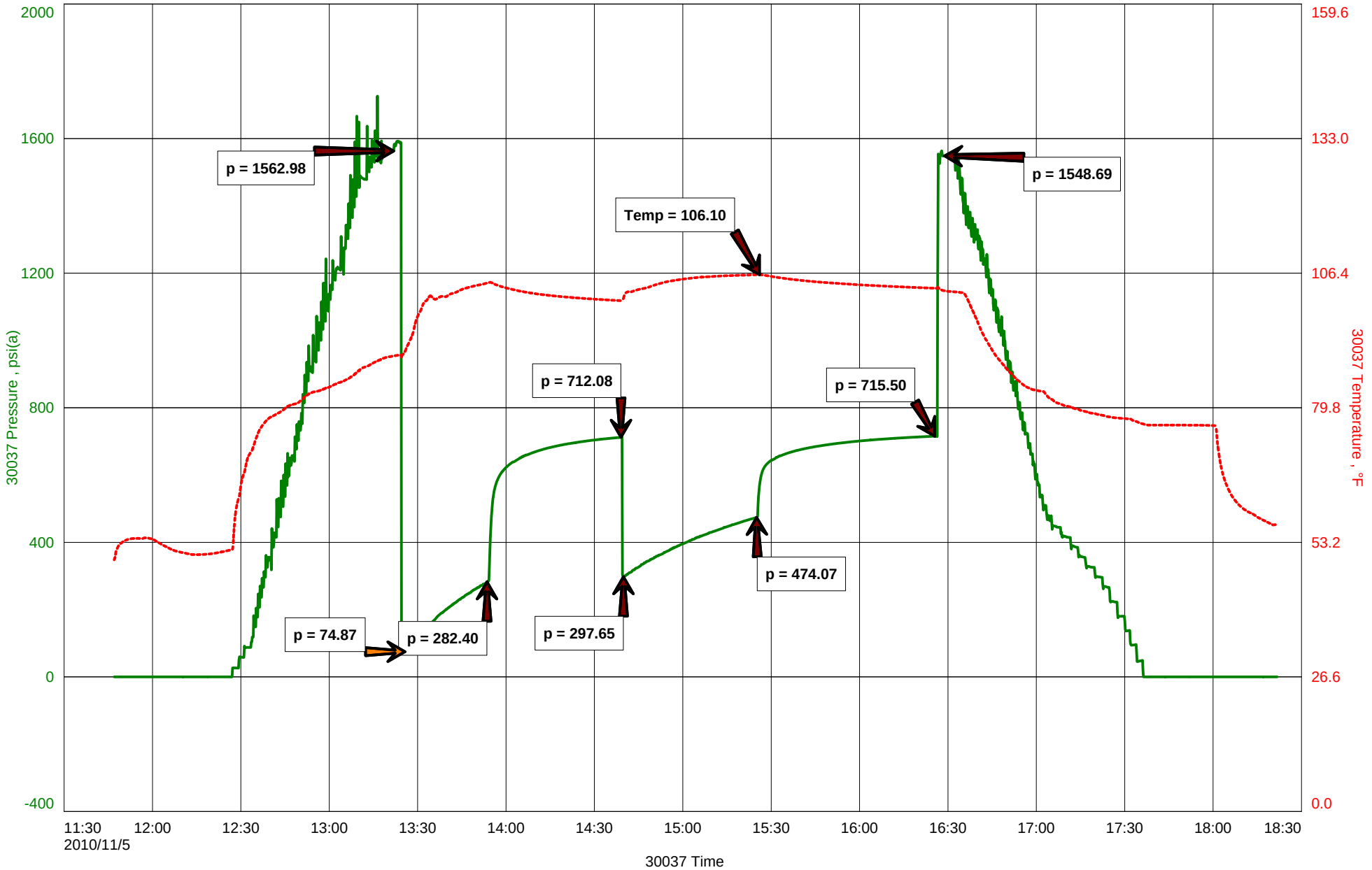
PH 7.5
CHLOR 80,000 PPM
RW .14 @ 64 DEG

TOOL SAMPLE: 99% WTR, 1% MUD FEW OIL SPECKS

L.D. DRLG
DST#1 3294-3360 LANS B-F
Start Test Date: 2010/11/05
Final Test Date: 2010/11/05

SIEFKES "B" #15-2
Formation: DST#1 3294-3360 LANS B-F
Pool: WILDCAT
Job Number: MO44

SIEFKES "B" #15-2



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: SIFKSB15-3DST1

TIME ON: 11:47
TIME OFF: 18:23

Company L.D. DRLG — Lease & Well No. SIEFKES "B" #15-2
Contractor PETROMARK RIG 2 — Charge to L.D. DRLG
Elevation 1852 GL — Formation LANS B-F — Effective Pay ____ Ft. — Ticket No. M044
Date 11-5-10 — Sec. 3 — Twp. 22 S — Range 12 W — County STAFFORD — State KANSAS
Test Approved By JOSH AUSTIN — Diamond Representative MIKE COCHRAN

Formation Test No. 1 — Interval Tested from 3294 ft. to 3360 ft. — Total Depth 3360 ft.
Packer Depth 3289 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 3294 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3283 ft. — Recorder Number 30037 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3357 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth NA ft. — Recorder Number NA — Cap. NA P.S.I.

Mud Type CHEMICAL — Viscosity 48 — Drill Collar Length 120 ft. — I.D. 2 1/4 in.
Weight 9.0 — Water Loss 9.6 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 4,000 P.P.M. — Drill Pipe Length 3149 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number N/A — Test Tool Length 25 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 66 ft. — Size 4 1/2-FH in
(32' D.P.)
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 35 SEC. (BOB BB 11 MIN)
2nd Open: GSB BOB 3 1/2 MIN (2 INCH BB)

Recovered 242 ft. of WM 5% WTR 95% MUD
Recovered 126 ft. of WM 20 % WTR 80 % MUD
Recovered 504 ft. of MW 80% WTR, 20 % MUD
Recovered 120 ft. of MW 90% WTR, 10% MUD
Recovered 992 ft. of TOTAL FLUID
Recovered ____ ft. of PH 7.5
Remarks: CHLOR 80,000
RW .14 @ 64 DEG
TOOL SAMPLE: 99% WTR, 1% MUD FEW OIL SPECKS

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 1:25 P.M. A.M. P.M. — Time Started Off Bottom 4:25 P.M. A.M. P.M. — Maximum Temperature 106

Initial Hydrostatic Pressure ..... (A) 1563 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 75 P.S.I. to (C) 282 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 712 P.S.I.
Final Flow Period ..... Minutes 45 (E) 298 P.S.I. to (F) 474 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 716 P.S.I.
Final Hydrostatic Pressure ..... (H) 1549 P.S.I.

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: SIFKSB15-3DST1

TIME ON: 05:31
TIME OFF: 11:30

Company L.D. DRLG — Lease & Well No. SIEFKES "B" #15-2
Contractor PETROMARK RIG 2 — Charge to L.D. DRLG
Elevation 1852 GL — Formation LANS H,I,J — Effective Pay ____ Ft. — Ticket No. M045
Date 11-6-10 — Sec. 3 — Twp. 22 S — Range 12 W — County STAFFORD — State KANSAS
Test Approved By JOSH AUSTIN — Diamond Representative MIKE COCHRAN

Formation Test No. 2 — Interval Tested from 3420 ft. to 3465 ft. — Total Depth 3465 ft.
Packer Depth 3415 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 3420 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3409 ft. — Recorder Number 30037 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3462 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth NA ft. — Recorder Number NA — Cap. NA P.S.I.

Mud Type CHEMICAL — Viscosity 60 — Drill Collar Length 120 ft. — I.D. 2 1/4 in.
Weight 8.2 — Water Loss 9.6 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 4,000 P.P.M. — Drill Pipe Length 3275 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number N/A — Test Tool Length 25 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 45 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 BUILT TO 4" (NOBB)
2nd Open: WSB BUILT TO 1" (NOBB)

Recovered 15 ft. of SOSWM 5%WTR, 95% MUD
Recovered 100 ft. of SOSWM 10% WTR, 90% MUD
Recovered 20 ft. of SOSMW 80% WTR, 20% MUD
Recovered 135 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: ____

TOOL SAMPLE: 35% WTR, 65% MUD OIL SPECKS

Price Job	
Other Charges	
Insurance	
Total	

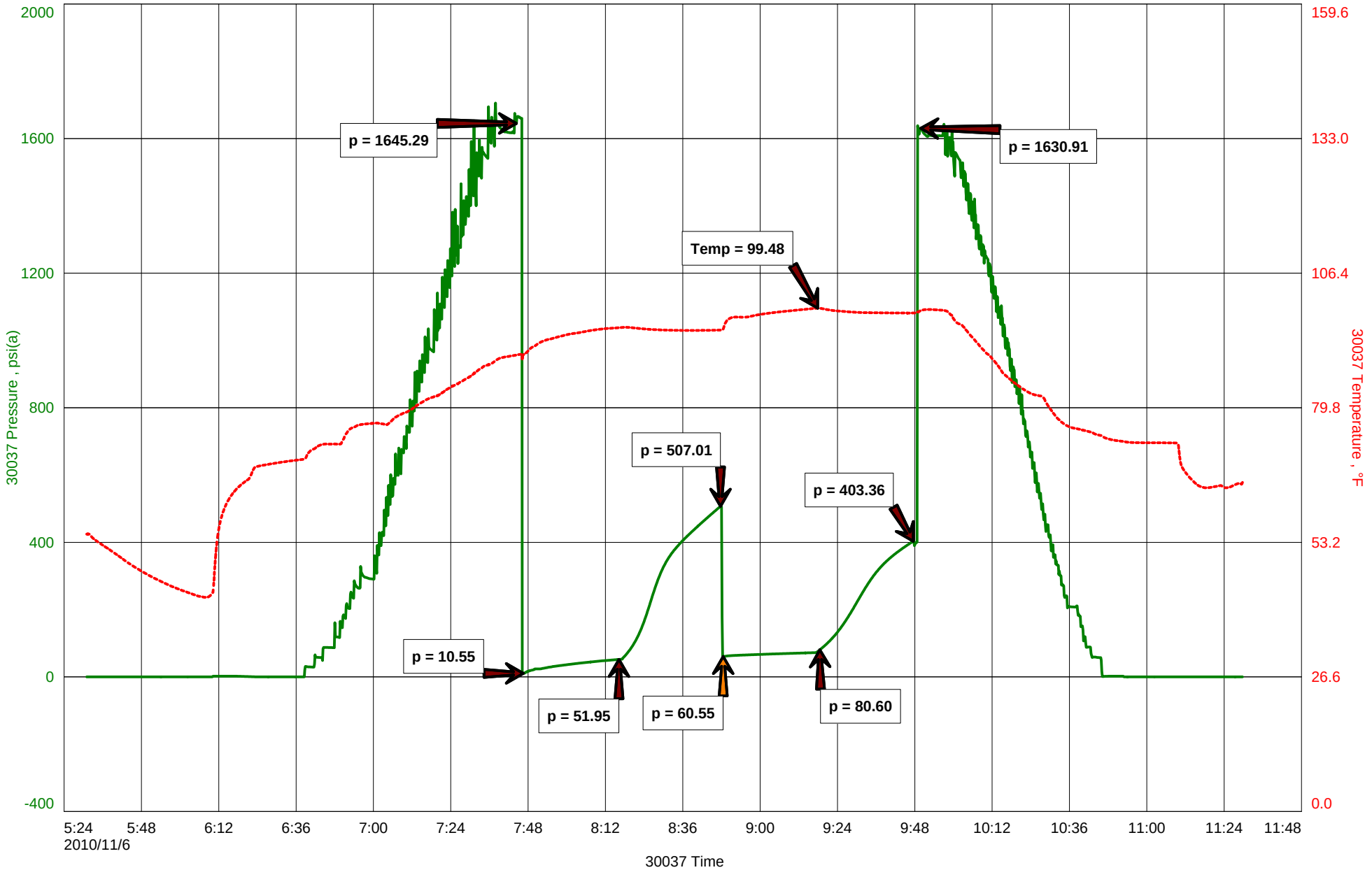
Time Set Packer(s) 7:45 A.M. A.M. P.M. — Time Started Off Bottom 9:45 A.M. A.M. P.M. — Maximum Temperature 99

Initial Hydrostatic Pressure ..... (A) 1645 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 11 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 507 P.S.I.
Final Flow Period ..... Minutes 30 (E) 61 P.S.I. to (F) 81 P.S.I.
Final Closed In Period ..... Minutes 30 (G) 403 P.S.I.
Final Hydrostatic Pressure ..... (H) 1631 P.S.I.

L.D. DRLG
DST#2 3420-3465 LANS. H-I-J
Start Test Date: 2010/11/06
Final Test Date: 2010/11/06

SIEFKES "B" #15-2
Formation: DST#2 3420-3465 LANS. H-I-J
Pool: WILDCAT
Job Number: M045

SIEFKES "B" #15-2



DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D. DRLG

Contact	L.D. DAVIS
Well Name	SIEFKES "B" #15-2
Unique Well ID	DST#2 3420-3465 LANS. H-I-J
Surface Location	SEC. 3-22S-12W STAFFORD CO. KS.
Field	WILDCAT
Well Type	Vertical

Job Number	M045
Representative	MIKE COCHRAN
Well Operator	L.D. DRLG
Report Date	2010/11/06
Prepared By	MIKE COCHRAN

Test Information

Test Type	CONVENTIONAL
Formation	DST#2 3420-3465 LANS. H-I-J
Well Fluid Type	01 Oil
Test Purpose (AEUB)	

Start Test Time	07:45:00
Final Test Time	09:45:00

Start Test Date	2010/11/06
Final Test Date	2010/11/06

Gauge Name	30037
Test Type Name	

Test Results

RECOVERED: 15' SOSWM 5% WTR, 95% MUD
100' SOSWM 10% WTR, 90%MUD
20' SOSMW 80% WTR, 20% MUD
135' TOTAL FLUID

CHLOR 51,000 PPM
PH 7.5
RW .18@ 62 DEG

TOOL SAMPLE: 35% WTR, 65% MUD, OIL SPECKED

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: SIFKSB15-3DST3

TIME ON: 17:16
TIME OFF: 22:05

Company L.D. DRLG — Lease & Well No. SIEFKES "B" #15-2
Contractor PETROMARK RIG 2 — Charge to L.D. DRLG
Elevation 1852 GL — Formation LANS K ZONE — Effective Pay ____ Ft. — Ticket No. M046
Date 11-6-10 — Sec. 3 — Twp. 22 S — Range 12 W — County STAFFORD — State KANSAS
Test Approved By JOSH AUSTIN — Diamond Representative MIKE COCHRAN

Formation Test No. 3 — Interval Tested from 3460 ft. to 3500 ft. — Total Depth 3500 ft.
Packer Depth 3455 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 3460 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3449 ft. — Recorder Number 30037 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3497 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth NA ft. — Recorder Number NA — Cap. NA P.S.I.

Mud Type CHEMICAL — Viscosity 57 — Drill Collar Length 120 ft. — I.D. 2 1/4 in.
Weight 8.7 — Water Loss 10.2 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 6,000 P.P.M. — Drill Pipe Length 3315 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number N/A — Test Tool Length 25 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 40 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 BUILT TO 1 1/2 INCH (NOBB)
2nd Open: NO BLOW (NOBB)

Recovered 60 ft. of DRLG MUD
Recovered 60 ft. of TOTAL FLUID
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Remarks: ____

TOOL SAMPLE: DRLG MUD W/ OIL SPOTS

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 7:50 P.M. A.M. P.M. — Time Started Off Bottom 9:30 P.M. A.M. P.M. — Maximum Temperature 94

Initial Hydrostatic Pressure ..... (A) 1671 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 8 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 979 P.S.I.
Final Flow Period ..... Minutes 20 (E) 31 P.S.I. to (F) 36 P.S.I.
Final Closed In Period ..... Minutes 20 (G) 564 P.S.I.
Final Hydrostatic Pressure ..... (H) 1661 P.S.I.

DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D. DRLG

Contact	L.D. DAVIS
Well Name	SIEFKES "B" #15-2
Unique Well ID	DST#3 360-3500 LANS K
Surface Location	SEC. 3-22S-12W STAFFORD CO. KS.
Field	WILDCAT
Well Type	Vertical

Job Number	M046
Representative	MIKE COCHRAN
Well Operator	L.D. DRLG
Report Date	2010/11/06
Prepared By	MIKE COCHRAN

Test Information

Test Type	CONVENTIONAL
Formation	DST#3 360-3500 LANS K
Well Fluid Type	01 Oil
Test Purpose (AEUB)	

Start Test Time	17:16:00
Final Test Time	22:05:00

Start Test Date	2010/11/06
Final Test Date	2010/11/06

Gauge Name	30037
Test Type Name	

Test Results

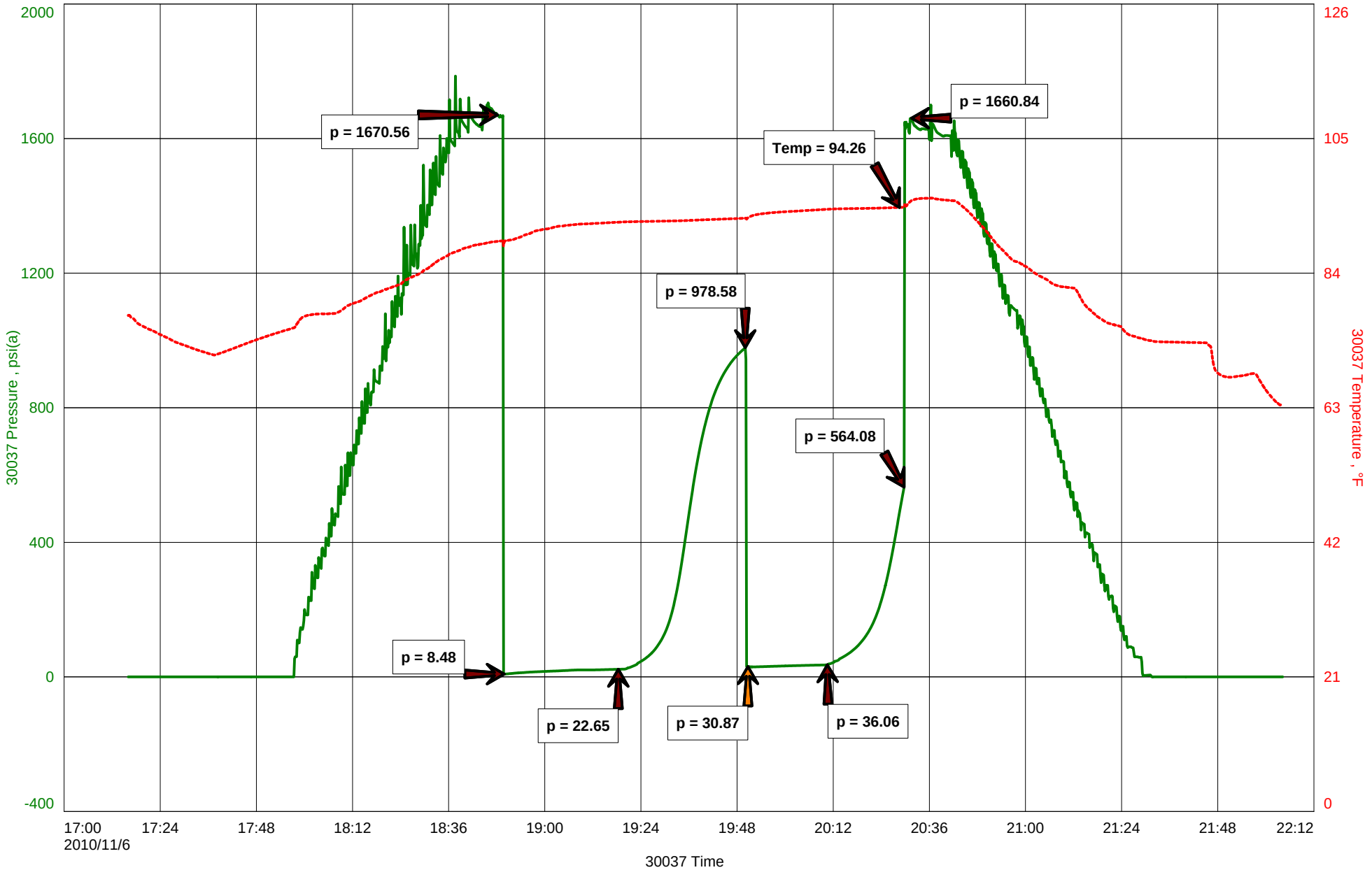
RECOVERED: 60' DRLG MUD
60' TOTAL FLUID

TOOL SAMPLE: DRLG MUD WITH OIL SPOTS

L.D. DRLG
DST#3 360-3500 LANS K
Start Test Date: 2010/11/06
Final Test Date: 2010/11/06

SIEFKES "B" #15-2
Formation: DST#3 360-3500 LANS K
Pool: WILDCAT
Job Number: M046

SIEFKES "B" #15-2



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: SIFKSB15-3DST4

TIME ON: 09:25
TIME OFF: 16:46

Company L.D. DRLG — Lease & Well No. SIEFKES "B" #15-2
Contractor PETROMARK RIG 2 — Charge to L.D. DRLG
Elevation 1852 GL — Formation ARB — Effective Pay ____ Ft. — Ticket No. M047
Date 11-7-10 — Sec. 3 — Twp. 22 S — Range 12 W — County STAFFORD — State KANSAS
Test Approved By JOSH AUSTIN — Diamond Representative MIKE COCHRAN

Formation Test No. 4 — Interval Tested from 3555 ft. to 3618 ft. — Total Depth 3618 ft.
Packer Depth 3550 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Packer Depth 3555 ft. — Size 6 3/4 in. — Packer depth NA ft. — Size 6 3/4 in.
Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3544 ft. — Recorder Number 30037 — Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3615 ft. — Recorder Number 13386 — Cap. 3,875 P.S.I.
Below Straddle Recorder Depth NA ft. — Recorder Number NA — Cap. NA P.S.I.

Mud Type CHEMICAL — Viscosity 50 — Drill Collar Length 120 ft. — I.D. 2 1/4 in.
Weight 9.4 — Water Loss 10.8 cc. — Weight Pipe Length 0 ft. — I.D. 2 7/8 in
Chlorides 8,000 P.P.M. — Drill Pipe Length 3410 ft. — I.D. 3 1/2 in
Jars: Make STERLING — Serial Number N/A — Test Tool Length 25 ft. — Tool Size 3 1/2-IF in
Did Well Flow? NO — Reversed Out NO — Anchor Length 31 ft. (32' D.P.) — 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 2 1/2 MIN (WEAK 1" BB)
2nd Open: GSB, BOB 3 1/2 MIN (WEAK 1" BB)

Recovered 540 ft. of G.I.P.
Recovered 1071 ft. of HOCM 10% GAS, 25% OIL, 35% WTR, 30% MUD
Recovered 126 ft. of MCO 3% GAS, 70% OIL, 26% WTR, 1% MUD
Recovered 189 ft. of WATER W/ THICK SCUM OF OIL
Recovered 120 ft. of WATER W/ THICK SCUM OF OIL
Recovered 1506 ft. of TOTAL FLUID
GRAVITY: 68.8@60 DEG
PH: 7.5 RW: .30@68 DEG
CHLOR: 37,000PPM
Remarks:
TOOL SAMPLE: WATER W/ HEAVY SCUM OF OIL

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 10:50 A.M. A.M. P.M. — Time Started Off Bottom 1:50 P.M. A.M. P.M. — Maximum Temperature 114

Initial Hydrostatic Pressure ..... (A) 1688 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 58 P.S.I. to (C) 367 P.S.I.
Initial Closed In Period ..... Minutes 45 (D) 1206 P.S.I.
Final Flow Period ..... Minutes 45 (E) 361 P.S.I. to (F) 629 P.S.I.
Final Closed In Period ..... Minutes 60 (G) 1208 P.S.I.
Final Hydrostatic Pressure ..... (H) 1680 P.S.I.

DIAMOND TESTING

Drill Test Report

General Information

Company Name L.D. DRLG

Contact	L.D. DAVIS
Well Name	SIEFKES "B" #15-2
Unique Well ID	DST#4 3555-3618 ARB
Surface Location	SEC. 3-22S-12W STAFFORD CO. KS.
Field	WILDCAT
Well Type	Vertical

Job Number	M047
Representative	MIKE COCHRAN
Well Operator	L.D. DRLG
Report Date	2010/11/07
Prepared By	MIKE COCHRAN

Test Information

Test Type	CONVENTIONAL
Formation	DST#4 3555-3618 ARB
Well Fluid Type	01 Oil
Test Purpose (AEUB)	

Start Test Time	09:25:00
Final Test Time	16:46:00

Start Test Date	2010/11/07
Final Test Date	2010/11/07

Gauge Name	30037
Test Type Name	

Test Results

RECOVERED: 504' G.I.P.
1071' HOCM 10% GAS, 25% OIL, 35% WTR, 30% MUD
126' MCO 3% GAS, 70% OIL, 26% WTR, 1% MUD
189' WATER W/ THICK SCUM OF OIL
120' WATER W/ THICK SCUM OF OIL
1506'TOTAL FLUID

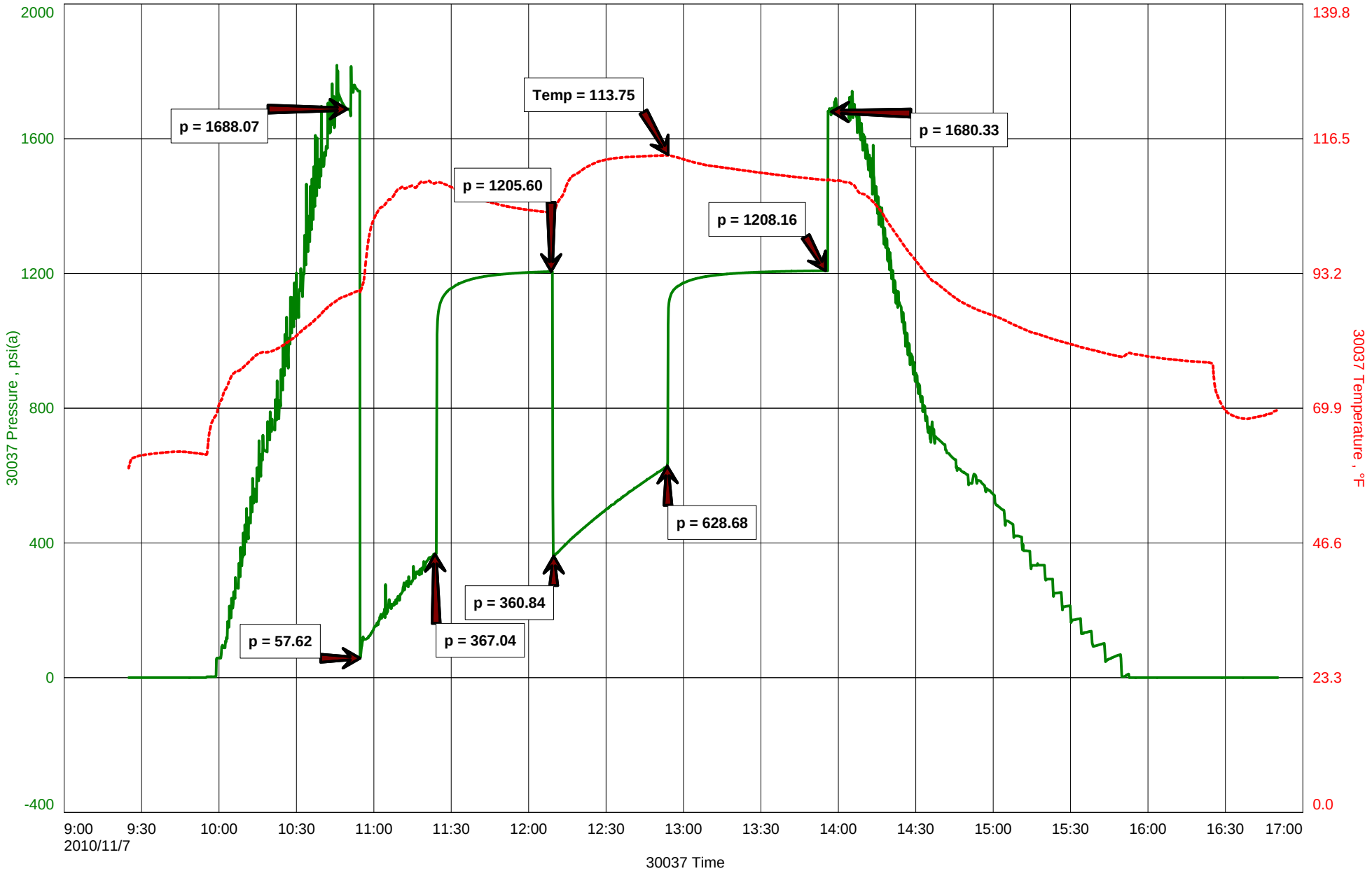
GRAVITY: 68.8 @ 60 DEG
PH: 7.5
CHLOR: 37,000 PPM
RW: .30 @ 68 DEG

TOOLSAMPLE: WATER W/ HVY SCUM OF OIL

L.D. DRLG
DST#4 3555-3618 ARB
Start Test Date: 2010/11/07
Final Test Date: 2010/11/07

SIEFKES "B" #15-2
Formation: DST#4 3555-3618 ARB
Pool: WILDCAT
Job Number: M047

SIEFKES "B" #15-2



Musgrove
James C. Musgrove
Petroleum Geologist
Office (620) 588-4250
212 Main St. • P.O. Box 215 • Claflin, KS 67525
Home (620) 587-3444

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L.D. Drilling Inc.
LEASE Siefkes "B" #15-3
FIELD MAX
LOCATION Sw-Se-Nw-Nw
SEC 3 TWSP 22 s RGE 12 w
COUNTY Stafford STATE Kansas

ELEVATIONS
KB 1857
DF
GL 1852
Measurements Are All From KB

CONTRACTOR Petromark Drilling (rig #2)
SPUD 11-01-2010 COMP 11-08-2010
RTD 3718 LTD 3717
MUD UP 2635 TYPE MUD Chemical Displaced

CASING
SURFACE 8 5/8" @ 395
PRODUCTION 5 1/2" @

ELECTRICAL SURVEYS
By Log-Tech
CNL/CDL DIL Micro

SAMPLES SAVED FROM 2800 TO 3718
DRILLING TIME KEPT FROM 2800 TO 3718 RTD
SAMPLES EXAMINED FROM 2800 TO 3718
GEOLOGICAL SUPERVISION FROM 3080 TO 3718
GEOLOGIST ON WELL Josh Austin

FORMATION TOPS	LOG		SAMPLES
anhydrite	638	+1219	
Base anhydrite	660	+1197	
Heebner	3128	-1271	
Toronto	3146	-1289	
Douglas	3160	-1303	
Brown Lime	3262	-1402	
Lansing	3276	-1419	

3

5 1/2" production Casing was set and cemented at 3717'.

Respectfully Submitted,

Joshua R. Austin
Petroleum Geologist

LEGEND

Dolomite, Chert, Dol. Lime, Limestone, Carb sh, Shale, Sandstone, Salt, Anhydrite

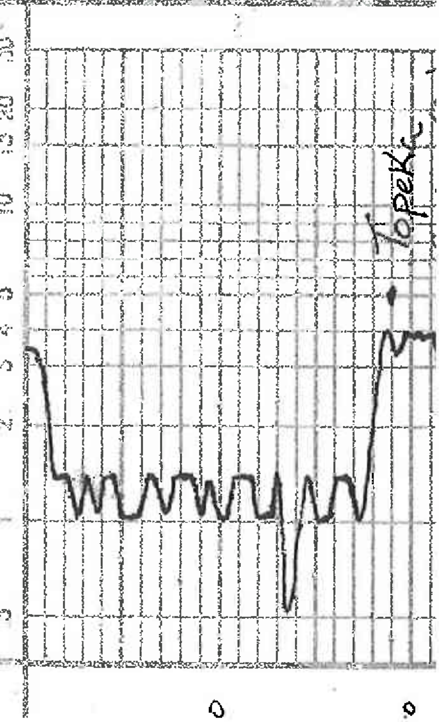
REMARKS

SAMPLE DESCRIPTIONS

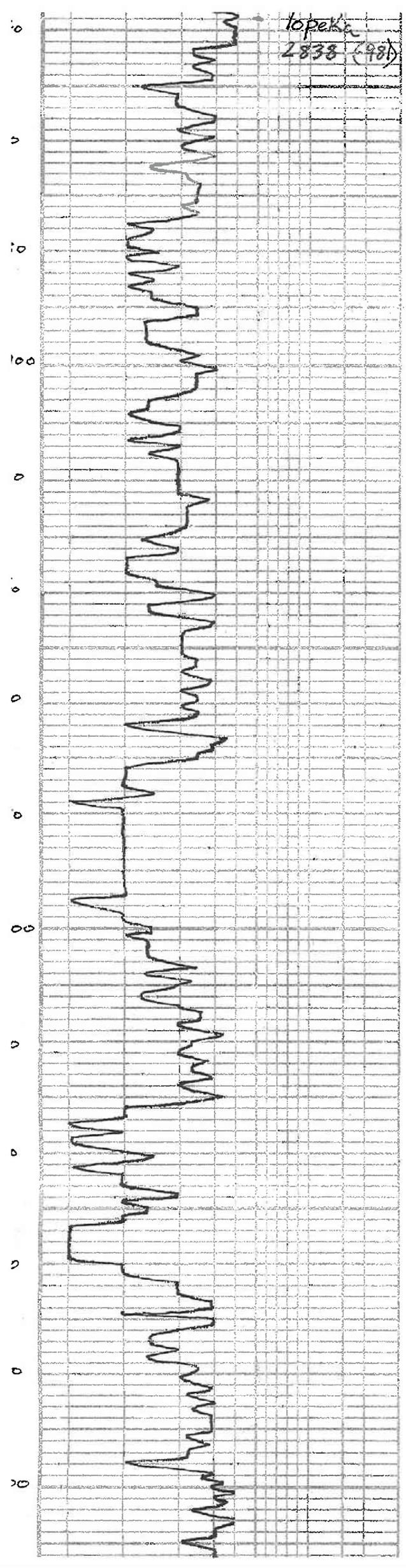
Sand gry-grnish green vfg Mica poor IG n/s

LS. Tan-gry fxln dense

DRILLING TIME (Logarithmic Scale)



DEPTH



LS, Tan-gry fxl dense
Slightly foss Ay in part

gry Soft Shale

LS, gry-crm f-med xl
dense poor vis - Sl. foss N/S

LS, crm-gry f-med xl foss/ool
grnsh, few Scatt. N/S

LS, Tan crm foss dense
Ay Poor vis,
, Lt gry foss
bonay Ls

blk Carb Shale

Lt grayish green limey Sh.

LS, lt gry foss med xl
few sparry Cal cement N/S

LS, Tan foss. finely oot Chlky
fr-gd scatt foss: cst-oom.
(barren)

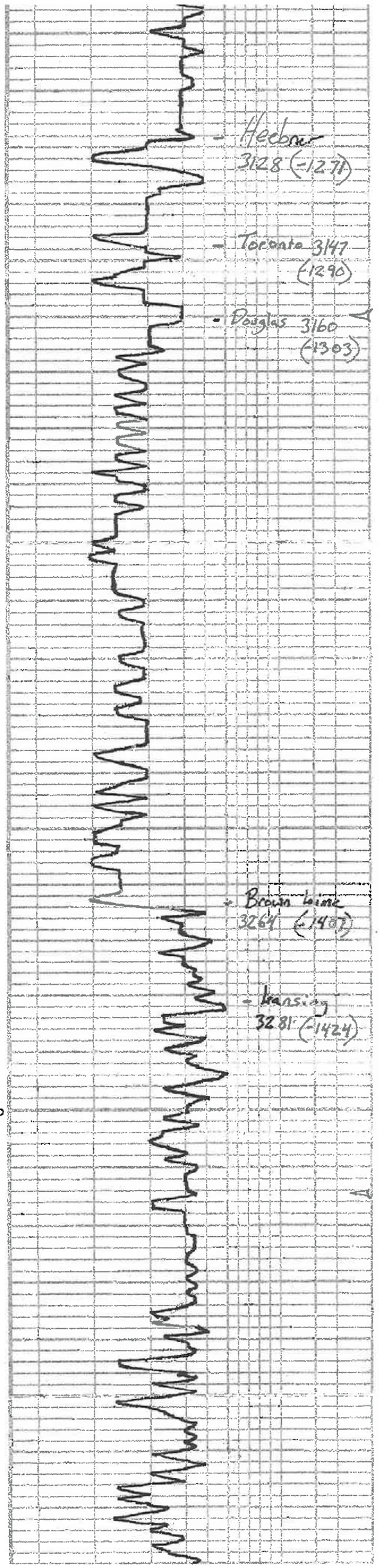
LS, lt gry fxl dense slightly
Chlky poor vis, N/S

blk Carb Sh. - 1857 KB -

LS, Tan-crm foss chlky
Sub oom Scatt. N/S

LS, Tan-gry fxl dense
few sparry Cal Lt gry Ls N/S

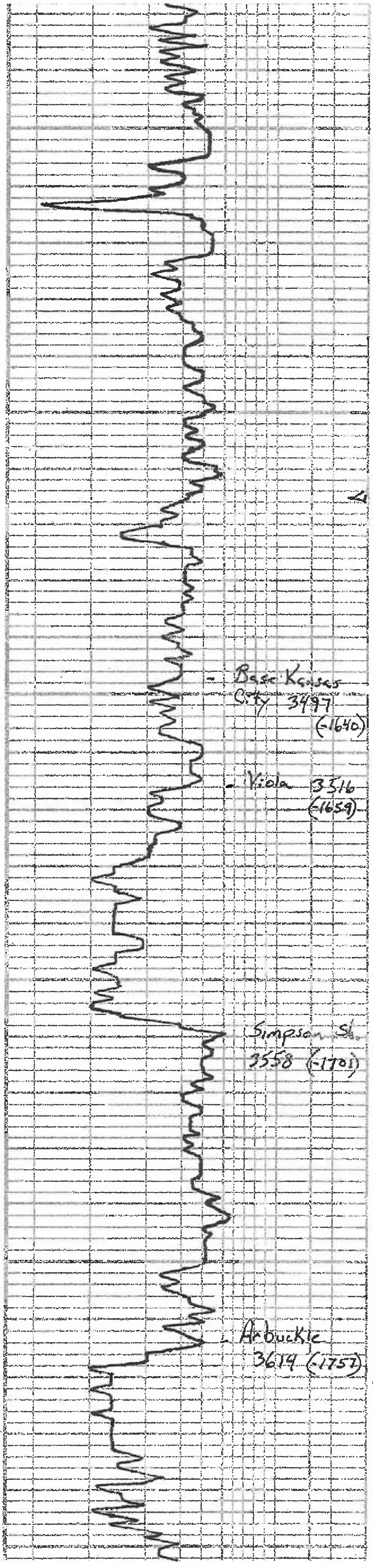
LS: Tan - gry fxl dense



LS: Tan - gry fxl dense
foss grain in part
+Δ gry foss
c blk carb sh
gry - mac shale
LS: Tan - buff fxl dolomitic
scatt PP, N/S
gry - grayish green - mac sh
silty in part
gry - grayish green sh
silty slightly mica
Shale as above
Trace Sand: grayish green
vfg mica poor sg, N/S
Shale & Sand aa
gry - grayish green soft sh.
mica in part
LS: brn - tan - gry fxl dense
Δ slightly foss N/S
LS: wh - ccm - lt gry slightly foss
chalky poor vis, N/S

DST #1 3294-3360
30-45-45-60
Blow Strong OBB in 35sec
BOB blowback in 11min
final; Strong OBB in 3½ min
Strong blowback
Recovery 368' cm
624' mw
Pressures: ISIP 712 PSI
FSIP 716 "
IFP 75-282 "
FFP 298-424 "
HSH 1563 "
-1545

LS: ccm fxl chalky in part
Tr Vuggy, spotty brn stn NSFO
Very weak odor
LS: ccm - Tan fxl-mxl grainy
Part brn spotty stn NSFO
No odor plus wh Δ
LS: Tan - gry foss dense Δy
No vis, N/S
LS: gry fxl dense vuggy - chky
brn stn Tr spotty Fo, ft odor
LS: wh - lt gry foss scatt
blk stn NSFO No odor



Ls. Tan-crm Slightly ool chalky
Poorly dev. ℓy in part tr brn stn
??? SFO No odor

Ls. Tan ool, oom ℓy in part
fr oom; brn stn tr spotty FO
ft odor

Ls. Tan finely ool Poorly dev.
brn stn SFO ft odor

Ls. Tan-gry-crm foss dense
poor vis. tr brn stn Slightly
ℓy in part NSFO No odor

Ls. gry-tan sub oom fr oom;
brn-blk stn SFO ft odor

Ls. gry-crm foss dense fr xl;
brn stn & FO ft odor

gry-green-mar Shale

Chert, wh-crm bony few
Semi trip weathered in part
brn-blk edge staining tr FO
No odor

Δ as above

wh-crm-Tan bony Δ
tr blk-brn stn & FO

gry-green sh.

Sand buff-gry f-med grained
fr-ig; brn stn spotty SFO No odor

Sand & Shale as above

gry-gryish green Shale

gry silty Shale

trace Sand brn-gry Med grain
fr ig; brn stn tr spotty FO [illegible]

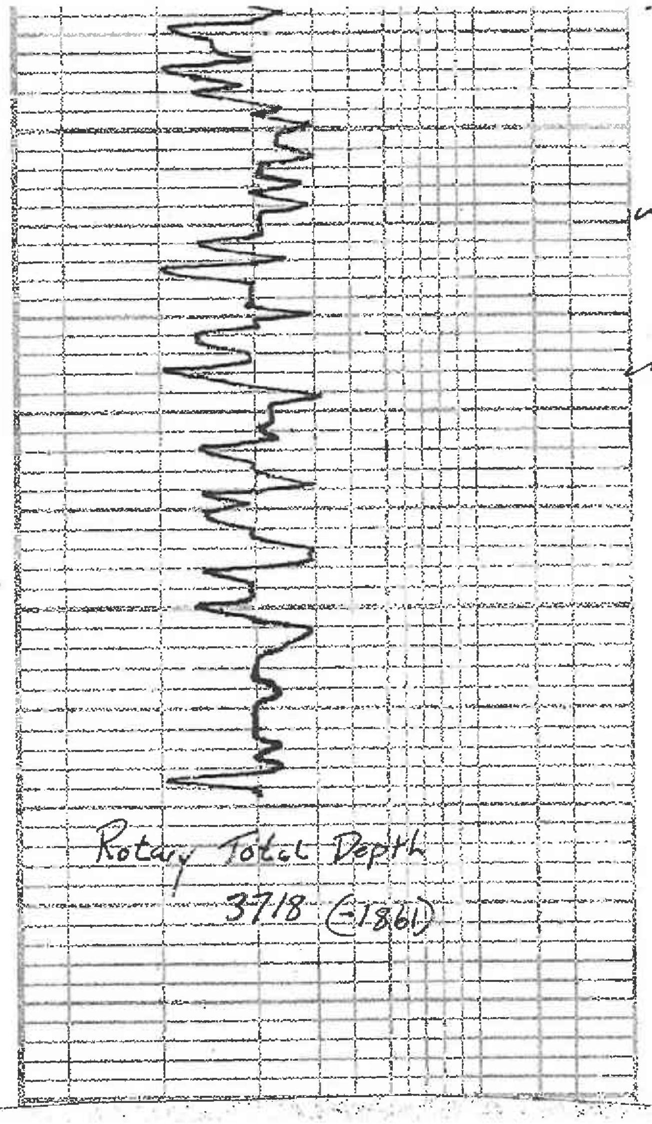
Dolomite, Crm-Tan-buff f-med xl
fr ixl type; brn-golden brn Stn
SFO fr odor tr gas bubbles

Dol. gry-crm-Pink f-med xl
few fr ixl-Vuggy type; golden brn Stn
tr FO fr odor ℓy in part

DST #2 3420-3465
30-30-30-30
Blow; Weak built to 4"
Recovery 115' Sl: oil speck Watery mud
20' Sl: oil speck muddy water
Pressures ISIP 507 PSI
FSIP 403 "
IFP 11-52 "
FFP 61-81 "
HSH 1645 "
-1631

DST #3 3460-3500
30-30-20-20
Blow; Weak built to 1½"
Recovery 60' mud
Pressures ISIP 979 PSI
FSIP 564 "
IFP 8-23 "
~~FFP 31-36~~ "
HSH 1671 "
-1661

DST #4 3555-3618
30-45-45-60
Blow; Strong OBB in 2½ min
Weak blowback
Final; Strong OBB in 3½ min
Weak blowback
Recovery; 504' GIP
1071' HOCWM
(10% gas 25% oil 35% water 30% mud)
126' MWCO
(3% gas 70% oil 26% water 1% mud)
309' Water w/ Scum of oil
Pressures ISIP 1206 PSI
FSIP 1208 "
IFP 58-367 "
FFP 361-629 "
HSH "



Rotary Total Depth
3718 (-1861)

Vot. gry. crm. pink f-med xL
few fr-ixL-voggy type; golden brn stn
tr-fo fr-dir. Δy in part

dolomite, crm-gry fxL dense
tr golden brn. brn stn NSFO very
weak odor Δy poor vis.

dol: wh-lt.gry f-med xL fxL;
tr-brn stn ??? tr spotty fo fnt odor

dolomite: crm-wh fxL dense
Poor vis. Δy N/S

dolomite, as above f-med xL
tr wh-gry Δ N/S

... 1206 ...
FSIP 1208 "
IFP 58-367 "
FFP 361-629 "
HSH 1688 "
-1680