



KANSAS CORPORATION COMMISSION 1064785
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: _____

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 #: _____
09/02/2011 09/08/2011 09/08/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-009-25610-00-00
Spot Description: _____
SE SE SE NW Sec. 10 Twp. 19 S. R. 12 East West
2520 Feet from North / South Line of Section
2520 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: LUCAS UNIT Well #: 1-10
Field Name: CHEYENNE VIEW
Producing Formation: NA
Elevation: Ground: 1830 Kelly Bushing: 1833
Total Depth: 3445 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 335 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: 10500 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: 10/11/2011



1064785

Operator Name: L. D. Drilling, Inc. Lease Name: LUCAS UNIT Well #: 1-10
 Sec. 10 Twp. 19 S. R. 12 East West County: Barton

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

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3000</td> <td>-1167</td> </tr> <tr> <td>Toronto</td> <td>3021</td> <td>-1188</td> </tr> <tr> <td>Douglas</td> <td>3036</td> <td>-1203</td> </tr> <tr> <td>Brown Lime</td> <td>3110</td> <td>-1277</td> </tr> <tr> <td>Lansing</td> <td>3123</td> <td>-1290</td> </tr> <tr> <td>Base Kansas City</td> <td>3355</td> <td>-1522</td> </tr> <tr> <td>Conglomerate</td> <td>3368</td> <td>-1535</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3000	-1167	Toronto	3021	-1188	Douglas	3036	-1203	Brown Lime	3110	-1277	Lansing	3123	-1290	Base Kansas City	3355	-1522	Conglomerate	3368	-1535
Name	Top	Datum																							
Heebner	3000	-1167																							
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Lansing	3123	-1290																							
Base Kansas City	3355	-1522																							
Conglomerate	3368	-1535																							

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	335	60/40 POZMIX	300	3%CC,2%Gel,1/4#CF

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

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

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

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

energy services, L.P.

TREATMENT REPORT

Customer <i>L.D. Dilling</i>	Lease No.	Date <i>09-08-11</i>
Lease <i>10005 UNIT</i>	Well # <i>1-10</i>	
Field Order # <i>4800</i>	Station <i>PRATT KS</i>	Casing <i>2 1/2</i>
Type Job <i>CAUSE P.T.A</i>	Formation	Depth <i>10-19-12</i>
		County <i>Pratt</i>
		State <i>KS</i>
		Legal Description <i>10-19-12</i>

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

Customer Representative	Station Manager <i>DAVE SOUTH</i>	Treater <i>Robert [Signature]</i>
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Service Units	<i>37900</i>	<i>19834</i>	<i>20920</i>	<i>19832</i>	<i>21010</i>				
Driver Names	<i>Sullivan</i>	<i>Makam</i>	<i>McCarty</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>8:45</i>					<i>on low soft matter</i> <i>P.T.A.</i>
<i>9:05</i>			<i>5</i>	<i>3</i>	<i>1" plug @ 675' w/ 25' of 6-1/2" cement</i>
			<i>6</i>		<i>cont</i>
			<i>5</i>		<i>DIP</i>
<i>9:12</i>					<i>shot heard</i>
<i>9:25</i>			<i>5</i>	<i>?</i>	<i>2" plug @ 380' w/ 80' of</i>
			<i>20</i>		<i>cont</i>
<i>9:35</i>			<i>17</i>		<i>plug @ 267' done</i>
<i>9:50</i>			<i>6</i>		<i>2" plug @ 40' w/ 10' of</i>
<i>10:00</i>			<i>8</i>		<i>plug @ 14' w/ 10' of</i> <i>JOB COMPLETE</i>

Thank you



James C. Musgrave
Petroleum Geologist

Office (829) 289-4289 212 Main St. • P.O. Box 215 • Claiborne, MS 39225 (829) 587-2444

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

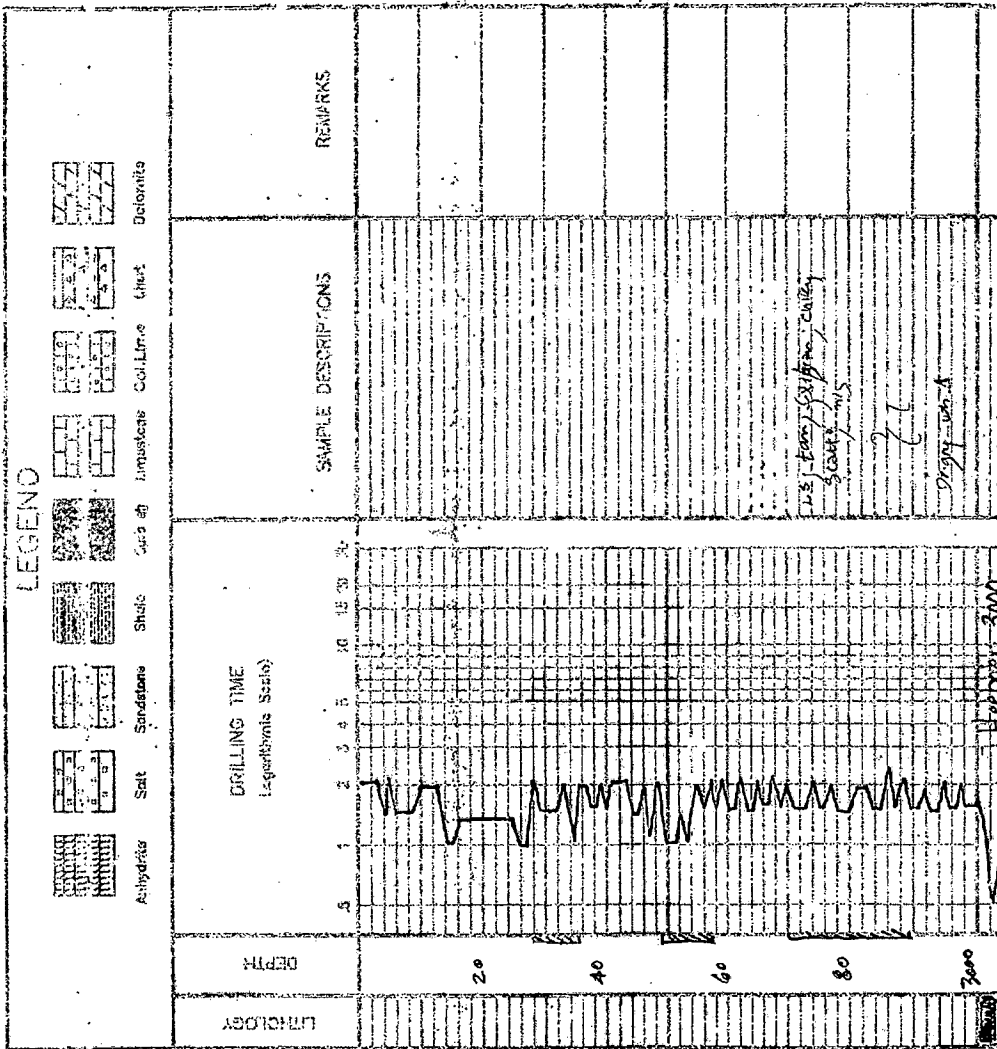
COMPANY LD Drilling Inc.
 LEASE Lucas unit #1-10
 FIELD Cheyenne View
 LOCATION Se. se. se. NW (2520' FWL / 2320' FWL)
 SEC. 10 TWP. 19S RGE. 12W
 COUNTY Barton STATE Kansas
 CONTRACTOR Petromark Drilling Co. #2
 SPUD 9-2-11 COMP. 9-8-2011
 RTD 3445 LTD. N/A
 MUD UP 2600' TYPE MUD Chemical Displacement

ELEVATIONS
 BS. 1833
 DF.
 GI. 1828
 Measurements Are All From KB
 CASING 876' & 310'
 PRODUCTION Done
 ELECTRICAL SURVEYS N/A

SAMPLES SAVED FROM 2900' TO 3445'
 DRILLING TIME KEPT FROM 2900' TO 3445' RTD
 SAMPLES EXAMINED FROM 2900' TO 3445'
 GEOLOGICAL SUPERVISION FROM 2940' TO 3445'
 GEOLOGIST ON WELL Jim Musgrave & John Austin

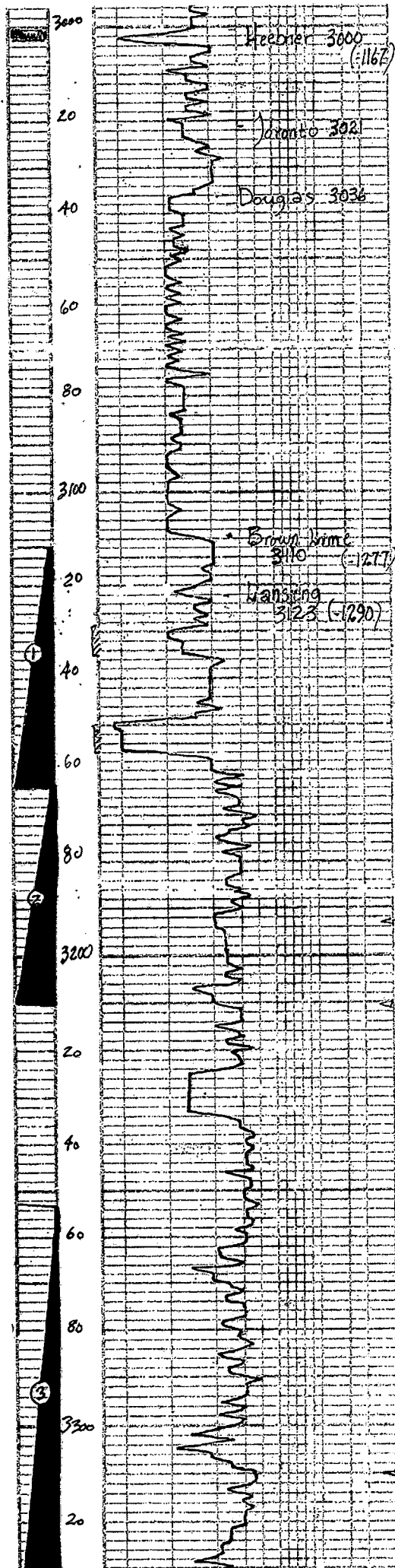
FORMATION TOPS	LOG	SAMPLES
Heehner	3000 - 1167	
Toronto	3021 - 1188	
Douglas	3036 - 1203	
Brown Lime	3110 - 1277	
Hanning	3123 - 1290	
Base Kansas City	3355 - 1522	
Conglomerate	3368 - 1533	
R.T.D.	3445 - 1612	

REMARKS
 The Lucas unit #1-10, was plugged and abandoned at the R.T.D. 3445.
 Respectfully submitted,
 John R. Austin, Petroleum Geologist

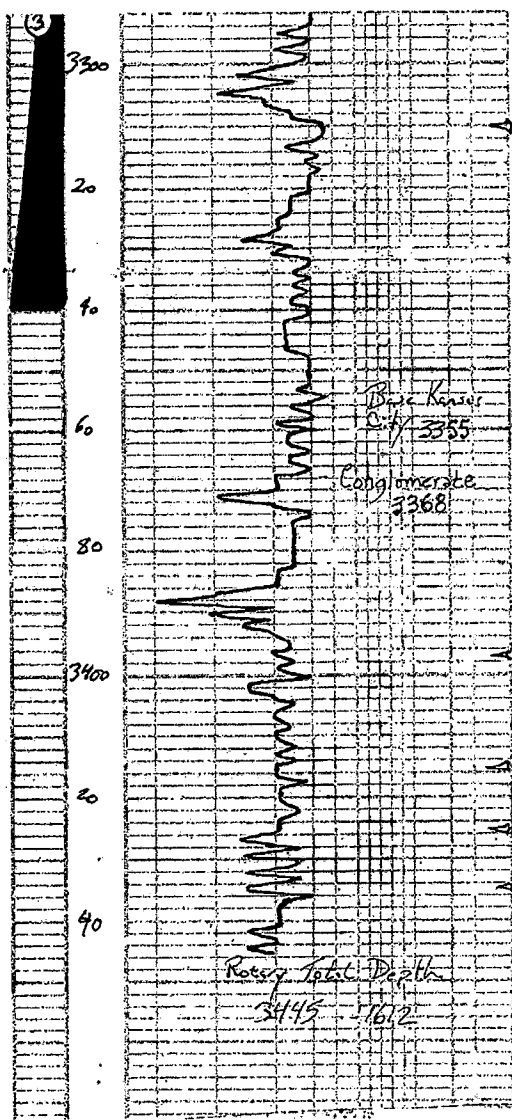


7505

108 702



27	grey mar-bndd red sh	1833 KB-
28	ls. wh/ tan, fr. s. sh med K-F, GSS in peak, cherty	
29	v.c. soft silty sh	
30	grey-green med silty mica sh	
31	grey, mica silty cherty sand n/s	
32	ls. tan-brown slightly sh (dsc)	DST #1 3112-3164 30-30-45-60 Blow Strong BOB in 2 min Final BOB in 4 min No blow Recovery 2967' GIP 120' ocm (10% oil 90% mud)
33	ls. grey tan fr. sh fine GSS / sub ool. golden brown sh / GSS fr. odor	Pressure 151P 554 PSI FSIP 686 " IFP 22-35 " FFP 34-49 " HSH 1472 " -1472
34	ls. tan buff ool. gal. ool. / blk sh. to fo. cherty	DST #2 3164-3210 25-20-X-X Blow weak built to 34" Recovery 8' mud Pressure 151P 357 PSI IFP 7-13 PSI FFP X HSH 1514 PSI -1512
35	ls. tan buff ool. in part / few scuffs	
36	ls. tan grey compact cherty / in part frag. ool. (buried)	
37	ls. tan tan blk. cherty / some product in sh.	
38	blk-grey shale	DST #3 3253-3340 30-30-30-30 Blow weak built to 3" Final built to 124" Recovery 66' mud Pressure 151P 624 PSI FSIP 547 " IFP 9-31 " FFP 35-47 " HSH 1551 " -1550
39	ls. tan tan ool. comp. in ool. / blk. tan sh. to fo. blk. sh.	
40	grey-green sh	
41	ls. tan ool. buff. ool.	



LS. con. tan. oolite, green f.	115500	WIC	-
dk. brn. sh. f. ka. blk. calc.		FSIP 547	11
		IFP 9-31	"
		FFP 25-97	"
		HSH 1551	"
		-1550	
gr. green sh.			
LS. tan. con. highly calc.			
Oil. sh.			
LS. con. th. gr. fat. calc.		DST # 4	3350-3415
poorly sorted 1/2		30-30	X-X
gr. grayish green silty		Blow Work	
shale - M. G. in part		Recovery 5 ml	
LS. con. fat. calc. silty		Pressure 1512.25	
Plur. gr. green sh.		FSIP-X	
LS. con. sh. fat. calc. sh. f.		IFP 10-5	
f. trans. band A		FFP X	
		HSH 1057	
LS. tan. con. ool. blk. sh. f. calc.			
trans. silty A - abundant sh. v. c.			
Silty gr. black gr.			
Orange - pink A			
Chert - blue con. band 1/2			



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

TIME ON: 20:46:00 9-5-11
 TIME OFF: 03:36:00 9-6-11

DRILL-STEM TEST TICKET
 FILE: LUCUSUNIT1-10DST1

Company L.D. Drilling Inc Lease & Well No. Lucus Unit 1-10
 Contractor Petromark Drilling Rig #2 Charge to L.D. Drilling Inc
 Elevation 1830 Est Formation Lansing A-B Effective Pay _____ Ft. Ticket No. S0019
 Date 9-6-11 Sec. 10 Twp. _____ 19 S Range _____ 12 W County _____ Barton State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3112 ft. to 3164 ft. Total Depth 3164 ft.
 Packer Depth 3107 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3112 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3100 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 3161 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 56 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 8.9 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 6300 P.P.M. Drill Pipe Length 2966 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 52 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong 3" blow- Built to BB in 2 min **NOBB**
 2nd Open: Strong BB blow **NOBB**

Recovered 2967 ft. of Gas in pipe
 Recovered 120 ft. of OC Mud 10% Oil 90% Mud
 Recovered 120 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	Total

TOOL SAMPLE: 1% Gas 19% Oil 80% Mud

Time Set Packer(s) 10:37 PM 9-5-11 A.M. P.M. Time Started Off Bottom 1:22 AM 9-6-11 A.M. P.M. Maximum Temperature 107

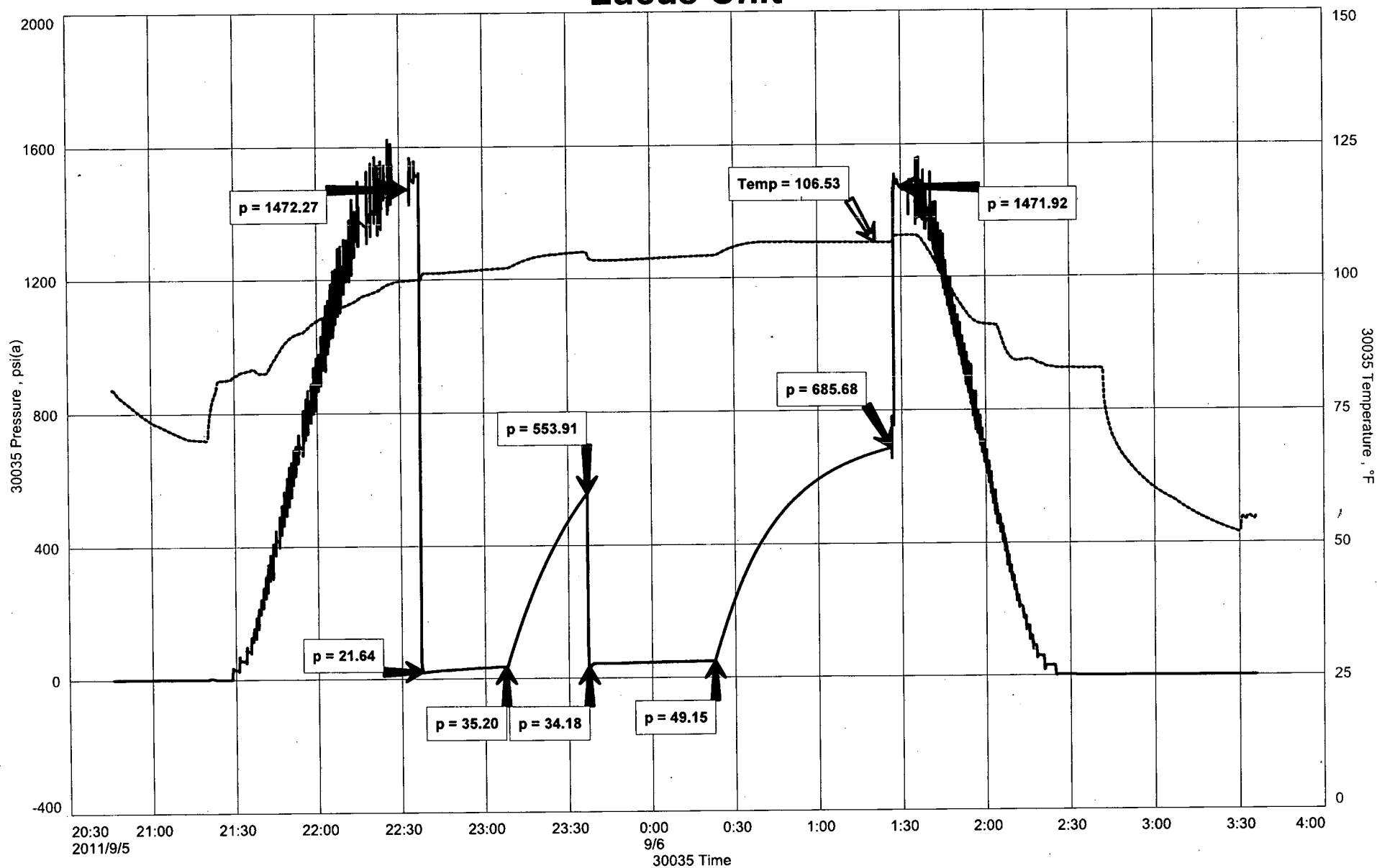
Initial Hydrostatic Pressure..... (A) 1472 P.S.I.
 Initial Flow Period..... Minutes 13 (B) 22 P.S.I. to (C) 35 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 554 P.S.I.
 Final Flow Period..... Minutes 60 (E) 34 P.S.I. to (F) 49 P.S.I.
 Final Closed In Period..... Minutes 120 (G) 686 P.S.I.
 Final Hydrostatic Pressure..... (H) 1472 P.S.I.

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

L.D. Drilling Inc
DST #1 Lansing A-B 3112'-3164'
Start Test Date: 2011/09/05
Final Test Date: 2011/09/06

Lucus Unit
Formation: DST #1 Lansing A-B 3112'-3164'
Job Number: S0019

Lucus Unit



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis	Job Number	S0019
Well Name	Lucus Unit	Representative	Jacob McCallie
Unique Well ID	DST #1 Lansing A-B 3112'-3164'	Well Operator	L.D. Davis
Surface Location	Sec 10-19S-12W Barton County	Report Date	2011/09/06
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Lansing A-B 3112'-3164'		
Well Fluid Type	01 Oil	Start Test Time	20:46:00
		Final Test Time	03:36:00
Start Test Date	2011/09/05		
Final Test Date	2011/09/06		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

2967' Gas in pipe
120' OC Mud 10% Oil 90% Mud
120' Total Recovered

TOOL SAMPLE:

1% Gas 19% Oil 80% Mud



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

TIME ON: 10:48:00
 TIME OFF: 14:55:00

DRILL-STEM TEST TICKET
 FILE: LUCUSUNIT1-10DST2

Company L.D. Drilling Inc Lease & Well No. Lucus Unit 1-10
 Contractor Petromark Drilling Rig #2 Charge to L.D. Drilling Inc
 Elevation 1830 Estimate Formation Lansing C-F Effective Pay _____ Ft. Ticket No. S0020
 Date 9-6-11 Sec. 10 Twp. _____ 19 S Range _____ 12 W County _____ Barton State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3164 ft. to 3210 ft. Total Depth 3210 ft.
 Packer Depth 3159 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3164 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3152 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 3207 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 64 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 10,000 P.P.M. Drill Pipe Length 3018 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 46 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 3/4" in 25 min NOBB
 2nd Open: _____

Recovered 8 ft. of DM 100% DM
 Recovered _____ ft. of _____
 Recovered 8 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____
 Price Job _____
 Other Charges _____
 Insurance _____
 Total _____

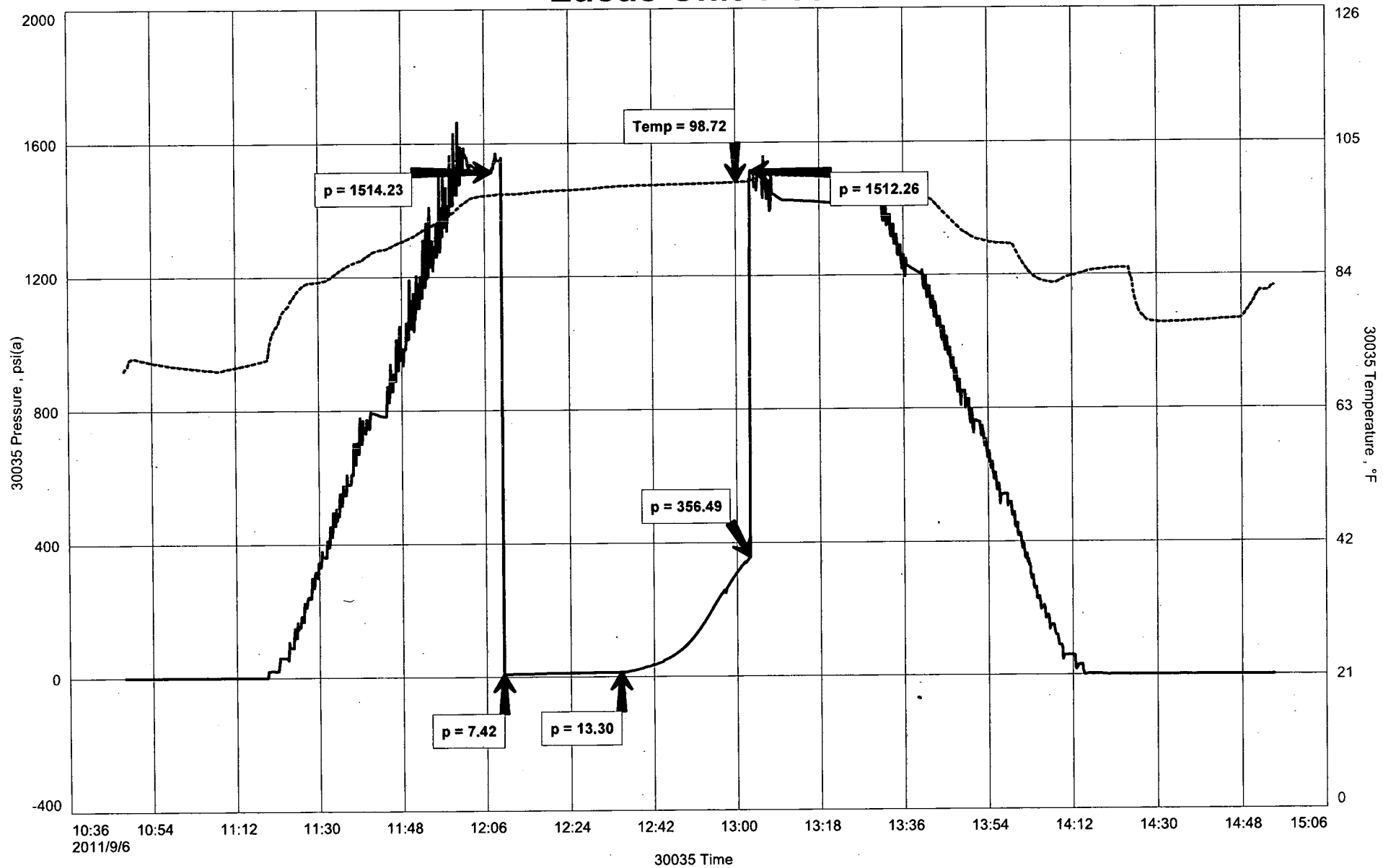
TOOL SAMPLE: 100% DM
 Time Set Packer(s) 12:09 PM A.M. P.M. Time Started Off Bottom 12:54 PM A.M. P.M. Maximum Temperature 99
 Initial Hydrostatic Pressure..... (A) 1514 P.S.I.
 Initial Flow Period..... Minutes 25 (B) 7 P.S.I. to (C) 13 P.S.I.
 Initial Closed In Period..... Minutes 20 (D) 356 P.S.I.
 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) 1512 P.S.I.

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

L.D. Drilling Inc
DST# 2 Lansing C-F 3164-3210'
Start Test Date: 2011/09/06
Final Test Date: 2011/09/06

Lucus Unit 1-10
Formation: DST# 2 Lansing C-F 3164-3210'
Pool: Wildcat
Job Number: S0020

Lucus Unit 1-10



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis	Job Number	S0020
Well Name	Lucus Unit 1-10	Representative	Jacob McCallie
Unique Well ID	DST# 2 Lansing C-F 3164-3210'	Well Operator	L.D. Drilling Inc
Surface Location	SEC 10-19S-12W Barton County	Report Date	2011/09/06
Well License Number		Prepared By	Jacob McCallie
Field	Cheyenne View		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST# 2 Lansing C-F 3164-3210'		
Well Fluid Type	01 Oil	Start Test Time	10:48:00
		Final Test Time	14:55:00
Start Test Date	2011/09/06		
Final Test Date	2011/09/06		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
8' DM 100% DM
8' TOTAL FLUID

TOOL SAMPLE:
100% DM



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: LUCUSUNIT1-10DST3

TIME ON: 01:49:00
 TIME OFF: 07:36:00

Company L.D. Drilling Inc Lease & Well No. Lucus Unit 1-10
 Contractor Petromark Drilling Rig #2 Charge to L.D. Drilling Inc
 Elevation 1830 Estimate Formation Lansing H-K Effective Pay _____ Ft. Ticket No. S0021
 Date 9-7-11 Sec. 10 Twp. _____ 19 S Range _____ 12 W County Barton State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3253 ft. to 3340 ft. Total Depth 3340 ft.
 Packer Depth 3248 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3253 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3241 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 3337 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 66 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 10,000 P.P.M. Drill Pipe Length 3107 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 87 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: Weak 1/4" blow built to 3" in 30 min **NOBB**
 2nd Open: WSB built to 1 1/4" in 30 min **NOBB**

Recovered 66 ft. of DM 100% DM
 Recovered 66 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____
 Price Job _____
 Other Charges _____
 Insurance _____
 Total _____

TOOL SAMPLE: 100% DM

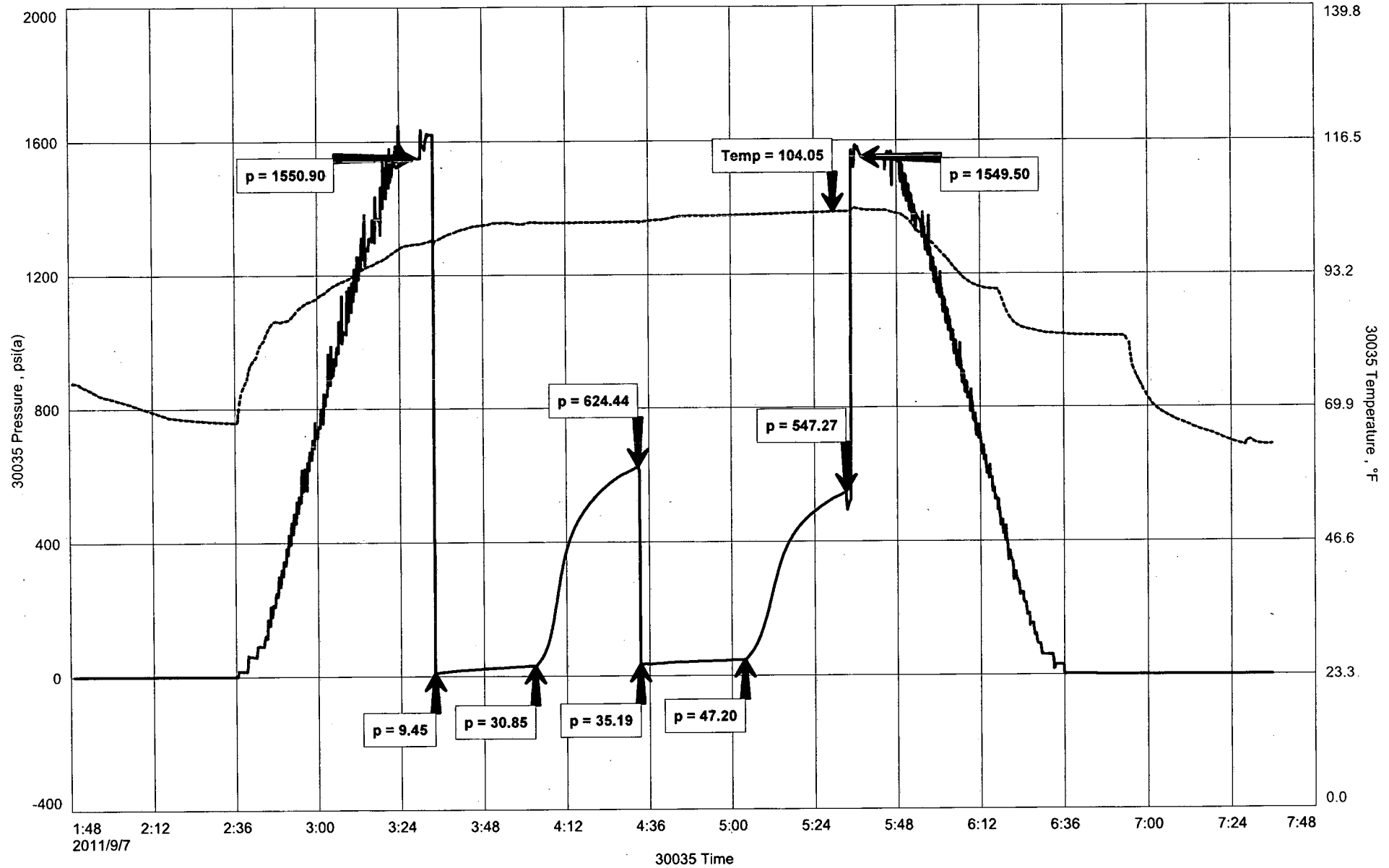
Time Set Packer(s) 3:33 AM A.M. P.M. Time Started Off Bottom 5:33 AM A.M. P.M. Maximum Temperature 104
 Initial Hydrostatic Pressure..... (A) 1551 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 31 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 624 P.S.I.
 Final Flow Period..... Minutes 30 (E) 35 P.S.I. to (F) 47 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 547 P.S.I.
 Final Hydrostatic Pressure..... (H) 1550 P.S.I.

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

L.D. Drilling Inc.
DST# 3 Lansing H-K 3253-3340'
Start Test Date: 2011/09/07
Final Test Date: 2011/09/07

Lucus Unit 1-10
Formation: DST# 3 Lansing H-K 3253-3340'
Pool: Wildcat
Job Number: S0021

Lucus Unit 1-10



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc.

Contact	L.D. Davis	Job Number	S0021
Well Name	Lucus Unit 1-10	Representative	Jacob McCallie
Unique Well ID	DST# 3 Lansing H-K 3253-3340'	Well Operator	L.D. Drilling Inc
Surface Location	SEC. 10-19S-12W Barton County	Report Date	2011/09/07
Well License Number		Prepared By	Jacob McCallie
Field	Cheyenne View		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST# 3 Lansing H-K 3253-3340'		
Well Fluid Type	01 Oil	Start Test Time	01:49:00
		Final Test Time	07:36:00
Start Test Date	2011/09/07		
Final Test Date	2011/09/07		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
66' DM 100% DM
66' TOTAL FLUID

TOOL SAMPLE: 100% DM



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LUCUSUNIT1-10DST4

TIME ON: 15:33:00
TIME OFF: 20:20:00

Company L.D. Drilling Inc Lease & Well No. Lucus Unit 1-10
Contractor Petromark Drilling Rig #2 Charge to L.D. Drilling Inc
Elevation 1830 Estimate Formation _____ Congl. Effective Pay _____ Ft. Ticket No. S0022
Date 9-7-11 Sec. 10 Twp. _____ 19 S Range _____ 12 W County _____ Barton State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3350 ft. to 3415 ft. Total Depth 3415 ft.
Packer Depth 3345 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3350 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3338 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3412 ft. Recorder Number 3851 Cap. 5700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 62 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.15 Water Loss 10 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10,500 P.P.M. Drill Pipe Length 3204 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 65 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: Weak 1/4" blow- Did not build **NOBB**
2nd Open: _____

Recovered 5 ft. of DM 100% DM
Recovered 5 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% Drilling Mud	Total

Time Set Packer(s) 5:23 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 6:23 PM ^{A.M.}/_{P.M.} Maximum Temperature 103

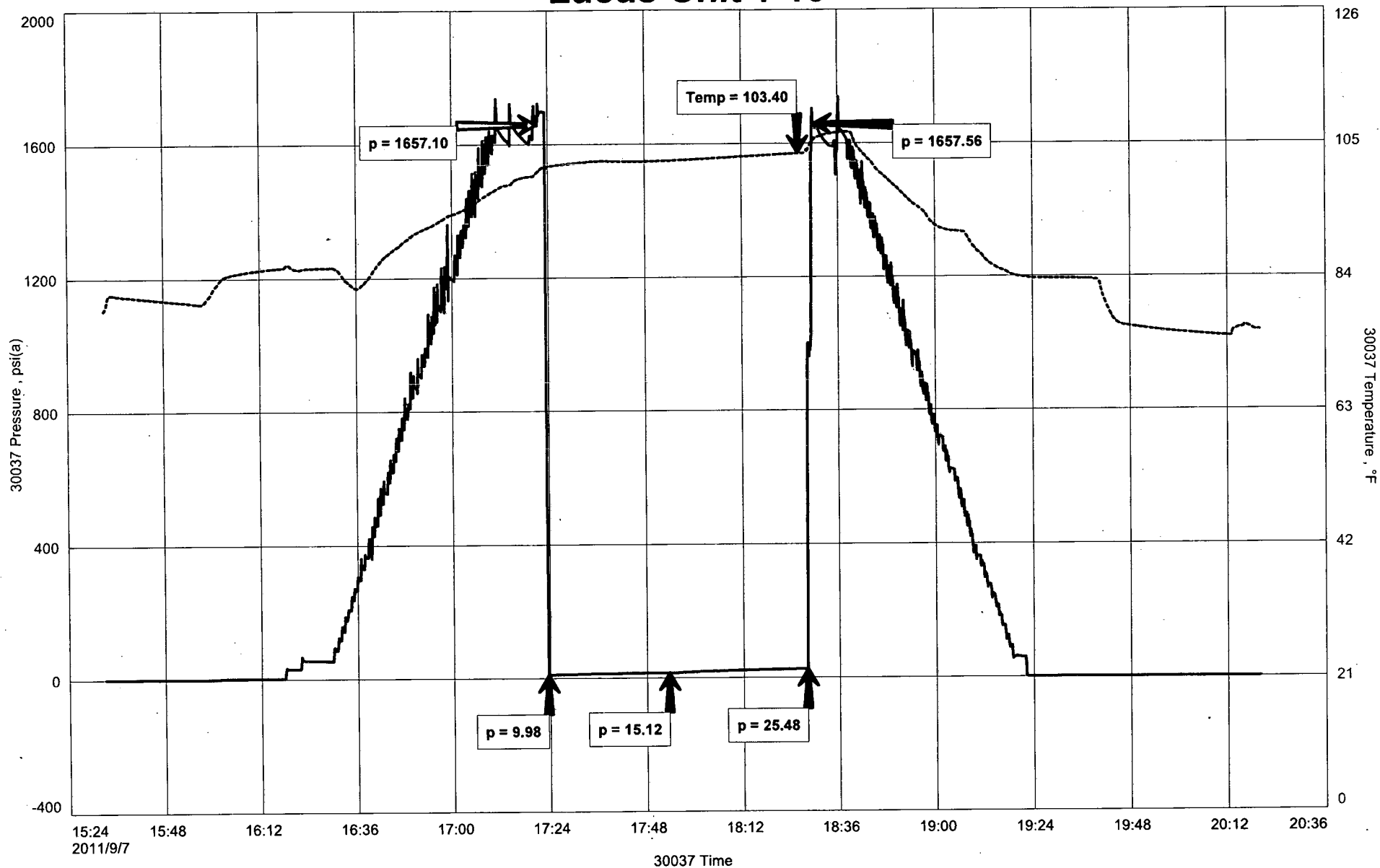
Initial Hydrostatic Pressure..... (A) 1657 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 25 P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) 1657 P.S.I.

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L.D. Drilling Inc
DST#4 Congl. 3350-3415'
Start Test Date: 2011/09/07
Final Test Date: 2011/09/07

Lucus Unit 1-10
Formation: DST#4 Congl. 3350-3415'
Job Number: S0022

Lucus Unit 1-10



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis	Job Number	S0022
Well Name	Lucus Unit 1-10	Representative	Jacob McCallie
Unique Well ID	DST#4 Congl. 3350-3415'	Well Operator	L.D. Davis
Surface Location	Sec. 10-19S-12W Barton County	Report Date	2011/09/07
Well License Number		Prepared By	Jacob McCallie
Field	Cheyenne View		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST#4 Congl. 3350-3415'		
Well Fluid Type	01 Oil	Start Test Time	15:33:00
		Final Test Time	20:20:00
Start Test Date	2011/09/07		
Final Test Date	2011/09/07		
Gauge Name	30037		
Gauge Serial Number			

Test Results

RECOVERED:

5' Drilling Mud
5' TOTAL FLUID

TOOL SAMPLE:

100% Drilling Mud