

KANSAS CORPORATION COMMISSION 1082557
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 #: _____

<u>03/18/2012</u>	<u>03/23/2012</u>	<u>03/23/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23741-00-00

Spot Description: _____
W2_W2_SE Sec. 14 Twp. 21 S. R. 14 East West
1320 Feet from North / South Line of Section
2310 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Stafford

Lease Name: E. L. & C. INC. Well #: 1-14

Field Name: NA

Producing Formation: NA

Elevation: Ground: 1935 Kelly Bushing: 1938

Total Depth: 3800 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 859 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 5000 ppm Fluid volume: 0 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: Deanne Garber Date: 05/29/2012



1082557

Operator Name: L. D. Drilling, Inc. Lease Name: E. L. & C. INC. Well #: 1-14
 Sec. 14 Twp. 21 S. R. 14 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
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 <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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	859	A-CON BLEND	175	3%CC,2%Gel
SURFACE CONT	12.25	8.625	24	859	COMMON	175	

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	E. L. & C. INC. 1-14
Doc ID	1082557

Tops

ANHYDRITE	835	+1103
HEEBNER	3291	-1353
TORONTO	3314	-1376
DOUGLAS	3330	-1392
BROWN LIME	3410	-1472
LANSING	3420	-1482
BASE KANSAS CITY	3641	-1703
CONGLOMERATE	3649	-1711
VIOLA	3711	-1773
SIMPSON	3743	-1805
ARBUCKLE	3794	-1856



BASICSM

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 03985 A

DATE _____ TICKET NO. _____

DATE OF JOB <i>3-19-2018</i> DISTRICT <i>PRATT Ks.</i>		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 <i>LD DRILLING, INC.</i>		LEASE <i>E.L. & C. INC.</i>		WELL NO. <i>1-14</i>		
ADDRESS		COUNTY <i>STAFFORD</i> STATE <i>Ks.</i>				
CITY STATE		SERVICE CREW <i>LESLEY, MARQUEZ, LAWRENCE</i>				
AUTHORIZED BY		JOB TYPE: <i>CNW - 2 5/8" S.P.</i>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <i>3-18-12</i> DATE <i>3-18-12</i> TIME <i>10:00 AM</i>
<i>37586</i>	<i>1</i>					ARRIVED AT JOB <i>3-18-12</i> TIME <i>11:30 AM</i>
<i>19889-19843</i>	<i>1</i>					START OPERATION <i>3-19-12</i> TIME <i>4:00 AM</i>
<i>19832-21010</i>	<i>1</i>					FINISH OPERATION TIME <i>5:00 AM</i>
						RELEASED TIME <i>6:00 AM</i>
						MILES FROM STATION TO WELL <i>45</i>

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

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

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-CON BLEND	SK	<i>175</i>		<i>3,150.00</i>
CP 102C	COMMON CEMENT	SK	<i>175</i>		<i>2,820.00</i>
PC 102	CELL-FLAKE	lb	<i>88</i>		<i>325.00</i>
CC 104	CALCIUM CHLORIDE	lb	<i>825</i>		<i>247.50</i>
CF 105	TOP RUBBER CNT. PLUG, 8 5/8"	EA	<i>1</i>		<i>225.00</i>
CC 131	SUGAR	lb	<i>100</i>		<i>200.00</i>
E 100	PICKUP MILEAGE	MI	<i>45</i>		<i>191.25</i>
E 101	HEAVY EQUIPMENT MILEAGE	MI	<i>90</i>		<i>630.00</i>
E 113	BULK DELIVERY CHARGE	TM	<i>743</i>		<i>1,183.00</i>
CE 201	DEPTH CHARGE: 501'-1000'	HR	<i>1-4</i>		<i>1,200.00</i>
CE 240	BLENDING SERVICE CHARGE	SK	<i>350</i>		<i>490.00</i>
CE 504	PLUG CONTAINER CHARGE	JOBS	<i>1</i>		<i>250.00</i>
S 003	SERVICE SUPERVISOR	EA	<i>1</i>		<i>175.00</i>

SUB TOTAL *9,235.27*
DLS

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: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer LD DRILLING INC.	Lease No.	Date 3-19-2012
Lease E.L. & P. INC.	Well # 1-14	
Field Order # 05485	Station PRATT, Ks.	Casing 5 1/8" Depth
Type Job CNW - 2 5/8" S.P.	Formation TD - 860'	Legal Description 14-21-14
County STAFFORD		State Ks.

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft				RATE	PRESS	ISIP
3.875" x 4.1"								
Depth 859.160	Depth	From	To	Pre Pad	@ 2.47 CUFT ³	Max		5 Min.
Volume 54.6 BBL	Volume	From	To	Pad	175SKS COMMON	Min		10 Min.
Max Press 200	Max Press	From	To	Frac	@ 1.20 CUFT ³	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To			HMP Used		Annulus Pressure
Plug Depth 840	Packer Depth	From	To	Flush	53.5 H ₂ O	Gas Volume		Total Load

Customer Representative **JIM. PETROMARK** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	37586	19889	19843	19832	21010					
Driver Names	LESLEY	MARQUEZ	—	LAURENCE	—					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00 AM					ON LOCATION - SAFETY MEETING
3:00 AM					RUN 21 JTS. 2 5/8" x 4 1/2" CSG.
3:45 AM					CSG. ON BOTTOM
4:00 AM					HOOK UP TO CSG. - BREAK CIRC. W/RIG
4:25 AM	200		5	6	H ₂ O AHEAD
4:26 AM	200		77	6	MIX 175SKS. A-CON @ 12 PPG
4:39 AM	100		37	6	MIX 175SKS. COMMON @ 15.6 PPG
4:45 AM					SHUTDOWN - DROP PLUG
4:48 AM	0		0	5	START DISPLACEMENT
4:57 AM	200		45	3	SLOW RATE
5:00 AM	250		53.5	3	PLUG DOWN - CLOSED IN AT HEAD
					CIRC. THRU JOB
					CIRC. 10 BBL TOP IT

JOB COMPLETE,
THANKS -
KEVEN LESLEY



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 05612 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>3-23-12</u> DISTRICT <u>Kansas</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.A. Drilling Inc</u>		LEASE <u>ELC 1-14</u> WELL NO.:							
ADDRESS		COUNTY <u>Stafford</u> STATE <u>KANS</u>							
CITY STATE		SERVICE CREW <u>Allen, Mike SIEVE</u>							
AUTHORIZED BY		JOB TYPE: <u>P+R</u> <u>C.I.W.</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM?	TIME
<u>28443 PU</u>	<u>2 1/2</u>						<u>3-23-12</u>		<u>4:00</u>
<u>19903-19945</u>	<u>2 1/2</u>					ARRIVED AT JOB	<u>3-23-12</u>	AM?	<u>7:30</u>
<u>19832-21010</u>	<u>2 1/2</u>					START OPERATION	<u>3-23-12</u>	AM?	<u>9:00</u>
						FINISH OPERATION	<u>3-23-12</u>	AM?	<u>11:30</u>
						RELEASED	<u>3-23-12</u>	AM?	<u>12:30</u>
						MILES FROM STATION TO WELL	<u>4.5</u>		<u>mi.</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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>CP103</u>	<u>60/40 P.2</u>	<u>SK</u>	<u>200</u>		<u>\$ 2400.00</u>
<u>CC102</u>	<u>cell flake</u>	<u>lb</u>	<u>50</u>		<u>\$ 185.00</u>
<u>CC200</u>	<u>Cement Cell</u>	<u>lb</u>	<u>344</u>		<u>\$ 86.00</u>
<u>E100</u>	<u>unit w. large chg P.U.</u>	<u>mi</u>	<u>45</u>		<u>\$ 191.25</u>
<u>E101</u>	<u>Heavy Equip. mileage chg</u>	<u>mi</u>	<u>90</u>		<u>\$ 675.00</u>
<u>E112</u>	<u>Build Pol. Chg.</u>	<u>TM</u>	<u>382</u>		<u>\$ 1119.00</u>
<u>CE204</u>	<u>Depth Chg 3000 ft. gravel</u>	<u>ft</u>	<u>1</u>		<u>\$ 2160.00</u>
<u>CE240</u>	<u>Blending Summary Services chg</u>	<u>SK</u>	<u>200</u>		<u>\$ 280.00</u>
<u>S003</u>	<u>Service Supervisor Cost Share on Loc</u>	<u>CA</u>	<u>1</u>		<u>\$ 125.00</u>

SUB TOTAL \$ 5313.90

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: [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.O. Drilling Inc	Lease No.	Date 3-23-12
Lease K.L. + C. INC	Well # 1-14	
Field Order # 25612A	Station Pratt KS	County Stafford
Type Job PTA	Formation C.N.W. TO 3800'	Legal Description 14-22-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	JSIP
	1 1/2"		200	SKs 60/40 P02	4 1/2 gpm	1/4"	C.F. 13.8
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 Jim TP	Station Manager Scott H	Treater Allen
Service Units 28443 19903 19905 19832 28010		
Driver Names Allen Mike Mathal Steve Young		

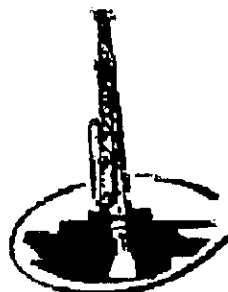
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30 PM					on Loc. Discuss Safety Setup Plans Tol
					Running O.P. Back in Hole
					1st Plug 3790' w/ 50 SKs.
9:15			10	3	Pump 10 BBLs H ₂ O
			12.7	3	Mix + Pump 50 SKs cmt
			4	3	Pump 4 BBL H ₂ O
					Disp w/ 48 BBL mud.
10:45			10	3	2nd Plug 860' w/ 50 SKs
			12.7	3	Pump 10 BBLs H ₂ O
			3	3	Mix + Pump 50 SKs cmt
					Pump 3 BBLs H ₂ O
					3rd Plug 400 SKs 50 SKs cmt
			5	3	Pump 5 BBL H ₂ O
			12.7	3	Mix + Pump 50 SKs cmt
			1	3	Pump 1 BBL H ₂ O
11:25			5		4th Plug 60' To surface 20 SKs cmt
11:30			7 1/2		5th Plug 30 SKs Rat Hole
11:45					washup Equip & Rackup
12:30					Job complete
					Thanks Allen, Mike.

OPERATOR

Company: L D. Drilling, Inc
 Address: 7 SW 26TH AVE
 Great Bend, KS 67530

Contact Geologist:
 Contact Phone Nbr: 620-793-3051
 Well Name: E. L. _C. INC. #1-14
 Location: 8 5/8" @ 860'
 Pool:
 State: Kansas

API: 15-185-23741-00-00
 Field: WILDCAT
 Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: E. L. _C. INC. #1-14
 Surface Location: 8 5/8" @ 860'
 Bottom Location:
 API: 15-185-23741-00-00
 License Number:
 Spud Date: 3/18/2012 Time: 3:34 PM
 Region: STAFFORD CO. W2-W2-SE 14-21s-14w
 Drilling Completed: 3/23/2012 Time: 5:50 PM
 Surface Coordinates: 1320' FROM SOUTH LINE & 2310' FROM EAST LINE
 Bottom Hole Coordinates:
 Ground Elevation: 1933.00ft
 K.B. Elevation: 1938.00ft
 Logged Interval: 3100.00ft To: 3800.00ft
 Total Depth: 3800.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: Chemical mud was displaced at 2787'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1320' FROM SOUTH LINE
 E/W Co-ord: 2310' FROM EAST LINE

LOGGED BY

Company: Musgrove Petroleum
 Address: 212 Main ST.
 Claflin, KS 67525
 Phone Nbr: 620-546-3960
 Logged By: Geologist Name: Josh Austin

CONTRACTOR

Contractor: PETROMARK Drilling LLC
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 3/18/2012 Time: 3:34 PM
 TD Date: 3/23/2012 Time: 5:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1938.00ft Ground Elevation: 1933.00ft

K.B. to Ground: 5.00ft

NOTES

On the basis of the low structural position and lack of shows in the samples, it was recommended by all parties involved in the E.L.&C. 1-14, be plugged and abandoned at the rotary total depth 3800'. No electric log was run.

L.D. Drilling, Inc.

well comparison sheet

DRILLING WELL E. L. & C. INC 1-14					COMPARISON WELL RYCHLEC "B" #1				COMPARISON WELL RYCHLEE #2			
1938 KB		No Log was ran			1934 KB		Structural Relationship		1931 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	835	1103			835	1099			831	1100		
Heebner	3291	-1353	N/A		3270	-1336	-17		3268	-1337	-20	
Toronto	3314	-1376			3284	-1350						
Douglas	3330	-1392			3311	-1377	-15					
Brown Lime	3410	-1472			3391	-1457	-15					
Lansing	3420	-1482	N/A		3401	-1467	-15		3396	-1465	-17	
Base KC	3641	-1703			3607	-1673	-30		3602	-1671	-32	
Conglomerate	3649	-1711			3632	-1698			3655	-1724		
Viola	3711	-1773			3660	-1726	-47		3667	-1736	-37	
Simpson	3743	-1805			3700	-1766	-39		3708	-1777	-28	
Arbuckle	3794	-1856	N/A		3745	-1811	-45		3765	-1834	-22	
Total Depth	3800	-1862			3790	-1856			3955	-2024		



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: ELC1-14DST1

TIME ON: 08:01:00
 TIME OFF: 14:51:00

Company LD Drilling Inc Lease & Well No. E.L. & C. #1-14
 Contractor Petromark Drilling Rig #2 Charge to LD Drilling Inc
 Elevation 1935 Est. Formation Lansing "J" Effective Pay _____ Ft. Ticket No. S0113
 Date 3-22-12 Sec. 14 Twp. _____ 21 S Range _____ 14 W County Stafford State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3565 ft. to 3595 ft. Total Depth 3595 ft.
 Packer Depth 3560 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3565 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3553 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 3592 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 119 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5,000 P.P.M. Drill Pipe Length 3420 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 30 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: 1/4" Blow- Built to 8 1/2" in 30 min **NOBB**
 2nd Open: 1/4" Blow- Built to 9 1/4" in 45 min **NOBB**

Recovered 123 ft. of Mud Cut WTR 98% WTR 2% MUD

Recovered 123 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of Ph: 8

Recovered _____ ft. of RW: .2 @ 55 degrees F

Recovered _____ ft. of Chlorides: 75,000 ppm

Remarks: _____

TOOL SAMPLE: 99% WTR 1% OIL

Time Set Packer(s) 9:52 AM A.M. P.M. Time Started Off Bottom 12:52 PM A.M. P.M. Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1704 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 646 P.S.I.

Final Flow Period..... Minutes 45 (E) 73 P.S.I. to (F) 112 P.S.I.

Final Closed In Period..... Minutes 60 (G) 635 P.S.I.

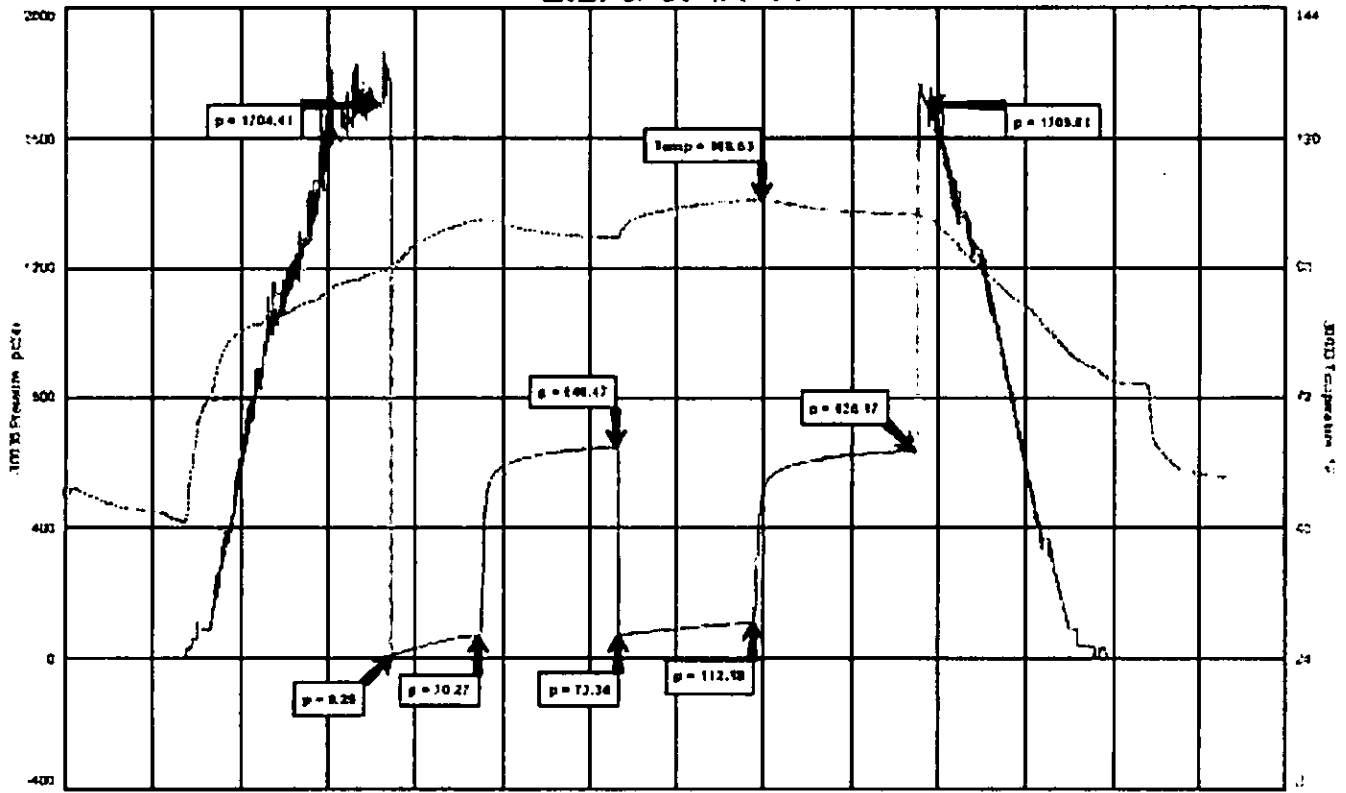
Final Hydrostatic Pressure..... (H) 1705 P.S.I.

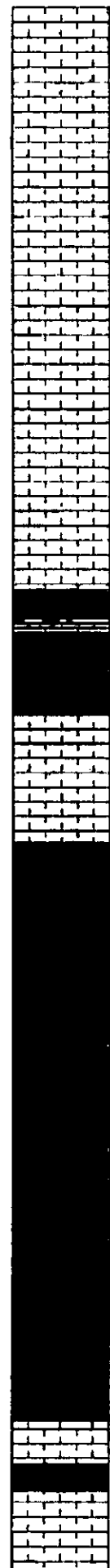
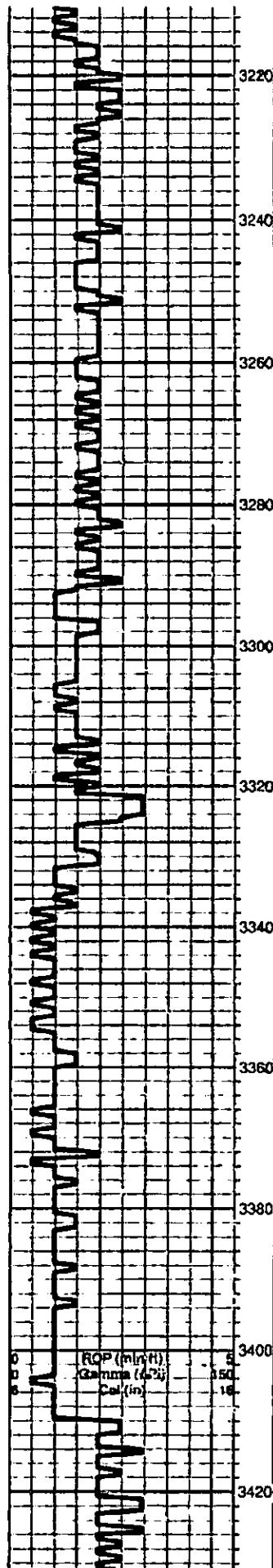
Camdard Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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

LD Drilling INC
 DST #1 Lansing "J" 3565-3595
 Start Test Date: 2012/03/22
 Final Test Date: 2012/03/22

E.L. & C. #1-14
 Formation: DST#1 Lansing "J" 3565-3595
 Pool: Wildcat
 Job Number: GC113

E.L. & C. #1-14





fossiliferous-oolitic, few scattered porosity, questionable trace golden brown stain, NSFO, no odor

Limestone; lt. grey-cream, fine xln, chalky, slightly fossiliferous, few mottled pieces, poorly developed porosity, no shows, plus grey boney chert

Limestone; cream-tan, fine xln, dense, fossiliferous in part, slightly cherty, no shows

plus grey-lt. grey boney Chert

HEEBNER 3291 (-1353)
Black Carboniferous Shale

Grey-maroon-green, Shale

TORONTO 3314 (-1376)
Limestone; cream, fine xln, chalky in part, dense, slightly dolomitic, no shows, plus white chalk

DOUGLAS 3330 (-1392)
Shale; grey-greyish green-maroon, soft

Shale; grey-greyish green, soft, slightly silty, micaceous in part

Shale; as above

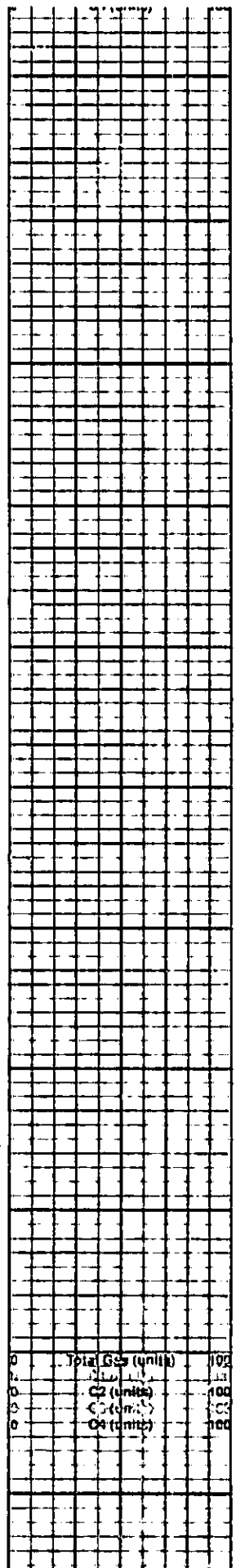
trace Sand; grey, very fine grained, silty, poor porosity, micaceous, no shows

shale as above, soft, micaceous, silty in part

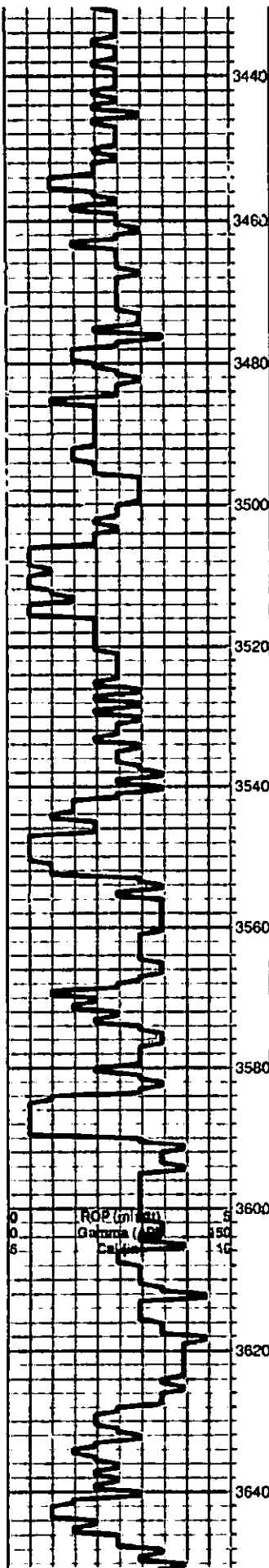
as above

BROWN LIME 3410 (-1472)
Limestone; tan-brown, fine xln, dense, cherty, fossiliferous in part

LANSING 3420 (-1482)
Limestone; cream-lt. grey, fine xln, chalky,



ROP (m/ft)	Gamma (API)	Cal (in)	Total Gas (units)
5	150	10	100
10	160	12	100
15	170	14	100
20	180	16	100



fossiliferous, dense, poor porosity, no shows

Limestone; cream-white-buff, fine xln, chalky in part, fossiliferous-oolitic, cherty, poorly developed porosity N/S trace Chert; cream fossiliferous
black carboniferous shale

Limestone; cream-white, fine xln, chalky in part, slightly fossiliferous, dense, no shows

Limestone; cream-tan, oolitic-fossiliferous, scattered porosity in part, chalky, questionable brown stain, NSFO, no odor

Limestone; tan-grey, oomoldic, few oolitic, slightly chalky, fair-good oomoldic porosity (barren)

Limestone; cream-tan, fine xln, dense, cherty in part, oolitic, poor visible porosity, no shows

dark grey-grey soft shale

Limestone; cream-tan, oolitic, oomoldic, fair-good oomoldic porosity, questionable trace golden brown stain (1 piece), no show free oil, no odor

Limestone; tan-cream, fine xln, oolitic in part, dense, poorly developed porosity, no shows

Limestone; cream-grey, oomoldic, chalky in part, good oomoldic porosity, grey-dark brown stain, SFO/SAT, trace gas bubbles, fair-good odor

Limestone; cream-grey, fine xln, dense, chalky in part, poorly developed porosity, slightly fossiliferous, no shows

Limestone; white-cream, fine-medium xln, fossiliferous, cherty, poor porosity, trace black stain, NSFO, no odor

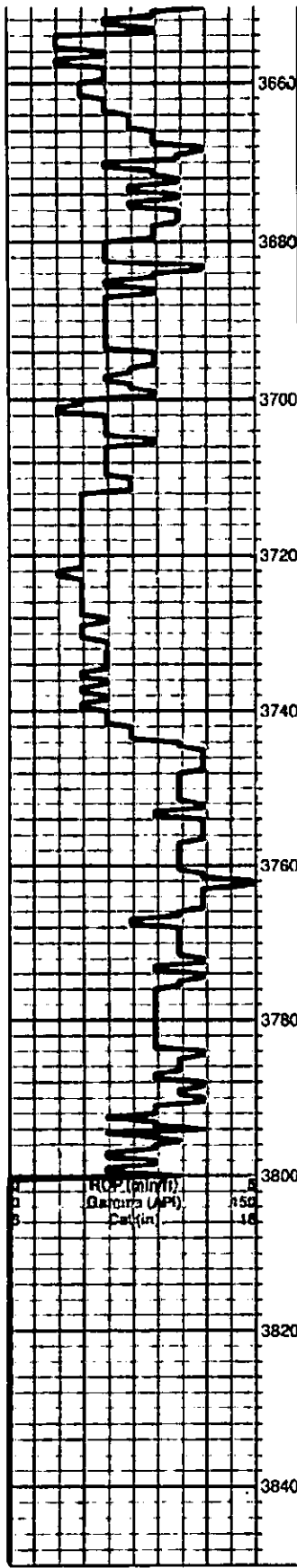
Shale; green-greyish green

BASE KANSAS CITY 3641 (-1703)
grey-green-marron; Shale

CONGLOMERATE 3649 (-1711)

DST #1 3585-3585
30-45-45-60
Blow; built to 8 1/2"
Final built to 9 1/4"
no blow back
Recovery 123' MCW
Pressure;
ISIP 646
FSIP 635
IFP 9-70
FFP 73-112
HSH 1704-1705

Total Gas (units)	100
CO ₂ (units)	100
C ₁ (units)	100
C ₂ (units)	100



CONGLOMERATE 3670 (-1777)

Limestone; tan-cream, fine xln, slightly chalky, fossiliferous-oolitic in part, cherty, no shows trace Chert; tan-cream, boney

Limestone; cream-white, fine xln, fossiliferous, granular, chalky in part, slightly cherty plus Chert; variety colors

Shale; brick red, maroon, grey, soft-gummy

VIOLA 3711 (-1773)

Chert; cream-white-mustard, boney, semi tripolitic in part, few weathered pieces, brown-black edge staining, trace spotty free oil, faint odor, poor visible porosity

Chert; white-cream, boney, few semi tripolitic, brown-black stain, NSFO, faint odor

SIMPSON SHALE 3743 (-1805)

Shale; green-grey, waxey

Trace Sand; greyish green, very fine grained, micaceous, silty, friable, no show

Shale; grey-green-maroon, micaceous in part

Shale; maroon-grey-dark grey, fissle in part

ARBUCKLE 3794 (-1856)

Dolomite; white-lt. grey, fine-medium xln, slightly sucrosic, poorly developed porosity, no shows, plus FeS2

ROTARY TOTAL DEPTH 3800 (-1862)

0	Total Gas (units)	100
0	CO2 (units)	100
0	CH4 (units)	100
0	C2H6 (units)	100



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ELC1-14DST1

TIME ON: 08:01:00

TIME OFF: 14:51:00

Company LD Drilling Inc Lease & Well No. E.L. & C. #1-14
Contractor Petromark Drilling Rig #2 Charge to LD Drilling Inc
Elevation 1935 Est. Formation Lansing "J" Effective Pay _____ Ft. Ticket No. S0113
Date 3-22-12 Sec. 14 Twp. _____ 21 S Range _____ 14 W County Stafford State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3565 ft. to 3595 ft. Total Depth 3595 ft.
Packer Depth 3560 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3565 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3553 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3592 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 119 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3420 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 30 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: 1/4" Blow- Built to 8 1/2" in 30 min **NOBB**
2nd Open: 1/4" Blow- Built to 9 1/4" in 45 min **NOBB**

Recovered 123 ft. of Mud Cut WTR 98% WTR 2% MUD
Recovered 123 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of Ph: 8
Recovered _____ ft. of RW: .2 @ 55 degrees F Price Job _____
Recovered _____ ft. of Chlorides: 75,000 ppm Other Charges _____
Remarks: _____ Insurance _____
TOOL SAMPLE: 99% WTR 1% OIL Total _____

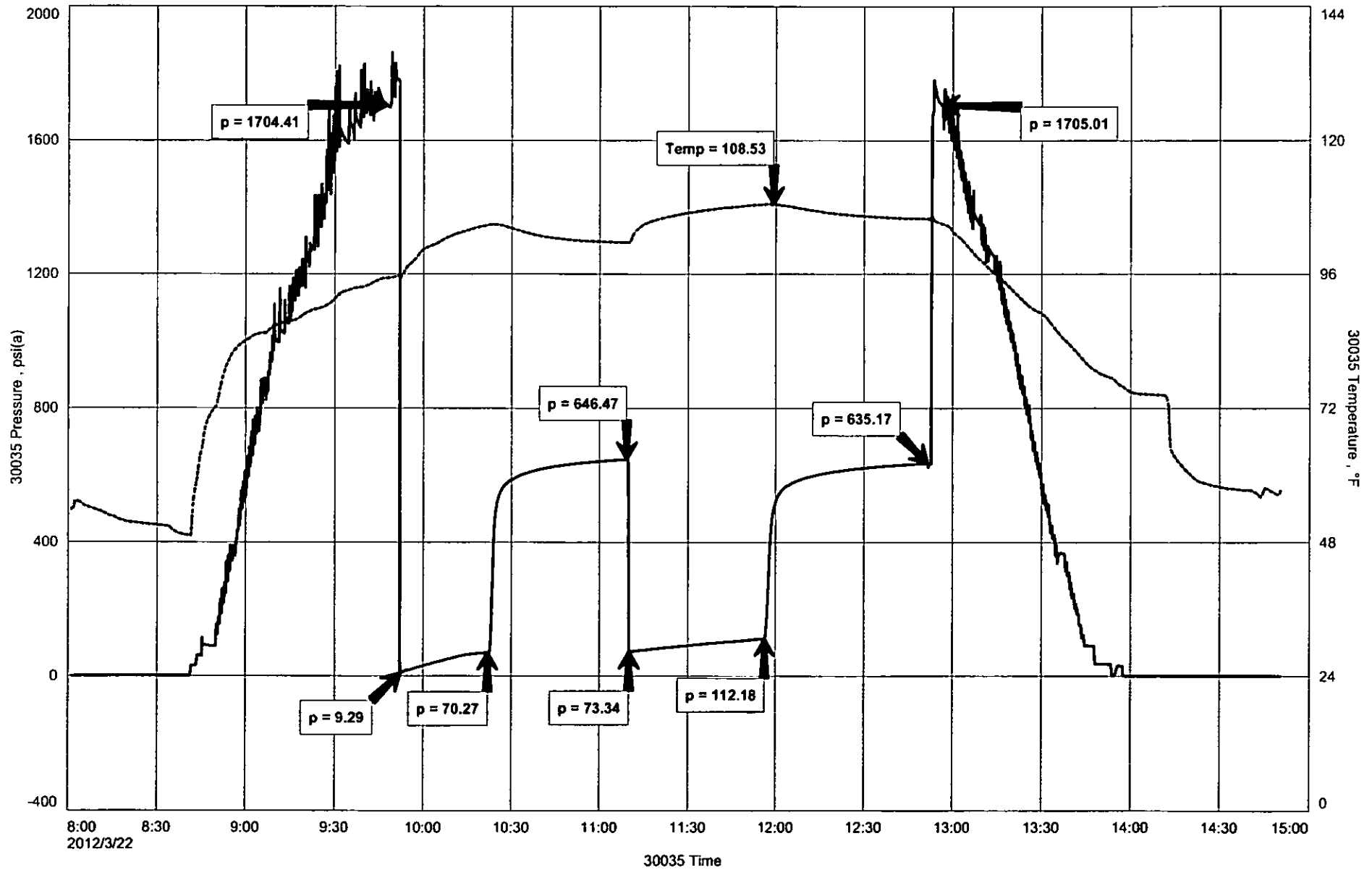
Time Set Packer(s) 9:52 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 12:52 PM ^{A.M.}/_{P.M.} Maximum Temperature 109
Initial Hydrostatic Pressure..... (A) 1704 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 70 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 646 P.S.I.
Final Flow Period..... Minutes 45 (E) 73 P.S.I. to (F) 112 P.S.I.
Final Closed In Period..... Minutes 60 (G) 635 P.S.I.
Final Hydrostatic Pressure..... (H) 1705 P.S.I.

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LD Drilling INC
DST #1 Lansing "J" 3565-3595'
Start Test Date: 2012/03/22
Final Test Date: 2012/03/22

E.L. & C. #1-14
Formation: DST #1 Lansing "J" 3565-3595'
Pool: Wildcat
Job Number: S0113

E.L. & C. #1-14



Diamond Testing

General information Report

General Information

Company Name LD Drilling INC

Contact	LD Davis	Job Number	S0113
Well Name	E.L. & C. #1-14	Representative	Jacob McCallie
Unique Well ID	DST #1 Lansing "J" 3565-3595'	Well Operator	LD Drilling INC
Surface Location	SEC. 14-21S-14W Stafford County	Report Date	2012/03/22
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	08:01:00
Formation	DST #1 Lansing "J" 3565-3595'	Final Test Time	14:51:00
Well Fluid Type	01 Oil		
Start Test Date	2012/03/22		
Final Test Date	2012/03/22		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
123' Mud Cut WTR 98% WTR 2% MUD
123' TOTAL FLUID

PH: 8
RW: .2 @ 55 degrees F
CHLORIDES: 75,000 ppm

TOOL SAMPLE:
99% WTR 1% OIL