



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1088206

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input 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 type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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)</i> <i>(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	J S 1-12
Doc ID	1088206

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	J S 1-12
Doc ID	1088206

Tops

Name	Top	Datum
TOPEKA	2630	-778
HEEBNER	2910	-1058
TORONTO	2926	-1074
DOUGLAS	2940	-1088
BROWN LIME	2998	-1146
LANSING	3011	-1159
BASE KANSAS CITY	3275	-1423
ARBUCKLE	3351	-1499
REAGAN SAND	3334	-1482



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 06258 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>4-26-2012</u> DISTRICT _____		NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: _____								
CUSTOMER <u>LD DRILLING, INC.</u>		LEASE <u>JS</u> WELL NO. <u>1-12</u>								
ADDRESS _____		COUNTY <u>BARTON</u> STATE <u>Ks.</u>								
CITY _____ STATE _____		SERVICE CREW <u>LESLEY, MARQUEZ, YOUNG</u>								
AUTHORIZED BY _____		JOB TYPE: <u>CNW - 8 5/8" S.P.</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>37586</u>	<u>1.5</u>						<u>4-26-12</u>			<u>12:40</u>
<u>19959-19843</u>	<u>1.5</u>					ARRIVED AT JOB				<u>2:00</u>
<u>19960-19918</u>	<u>1.5</u>					START OPERATION				<u>3:00</u>
						FINISH OPERATION				<u>3:45</u>
						RELEASED				<u>4:30</u>
						MILES FROM STATION TO WELL				<u>85</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
CP 101	H-CON BLEND	SK	175		3,150.00
CP 100C	COMMON	SK	175		2,800.00
CC 102	CELL-FLARE	Tb	88		325.00
CC 109	CALCIUM CHLORIDE	Lb	825		816.25
CF 105	TOP RUBBER CONT. PLUG, 8 5/8"	EA	1		285.00
E 100	PICKUP MILEAGE	MI	85		361.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	170		1,196.00
E 113	BULK DELIVERY CHARGE	TM	1903		2,244.00
CF 201	DEPTH CHARGE, 501'-1000'	HR	1-4		1,200.00
CF 240	BLENDING SERVICE CHRG.	SK	350		490.00
CF 504	PLUG CONTAINER CHRGS.	YOB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL 10,488.91

CHEMICAL / ACID DATA:			

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

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



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 06261 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-2-2012 DISTRICT PRATT, KS.		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 LD DRILLING, INC.		LEASE JS		WELL NO. 1-12		
ADDRESS		COUNTY BARTON		STATE Ks.		
CITY STATE		SERVICE CREW LESLEY, MARQUEZ, PIERSON				
AUTHORIZED BY		JOB TYPE: CNW - 5 1/2" C.S.				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 5-2-12 DATE 5-2-12 TIME 6:00 PM
37586						ARRIVED AT JOB 8:00 PM
19889-19843						START OPERATION 10:00 PM
19832-21010						FINISH OPERATION 11:57 PM
						RELEASED 5-3-12 TIME 7:00 AM
						MILES FROM STATION TO WELL 85

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 100C	COMMON CMT.	SK	150		2,400.00
CP 103	60/40 POZ	SK	30		360.00
CC 102	CELL-FLAKE	lb	38		140.60
CC 112	CEMENT FRICTION REDUCER	lb	43		258.00
CC 113	GYPSON	lb	705		528.75
CC 129	FLA-322	lb	43		322.50
CC 200	CEMENT GEL	lb	282		70.50
CF 103	TOP RUBBER CMT. PLUG, 5 1/2"	EA	1		105.00
CF 251	REGULAR GUIDE SHOE 5 1/2"	EA	1		250.00
CF 1451	FLAPPERTYPE INSERT FLOAT VALVE, 5 1/2"	EA	1		215.00
CF 11651	TURBOLIZER, 5 1/2"	EA	6		660.00
CC 151	MUD FLUSH	GAL	1000		860.00
E 100	PICKUP MILEAGE	MI	85		361.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	170		1,190.00
E 113	BULK DELIVERY CHARGE	TM	710		1,135.60
CE 204	DEPTH CHARGE: 3000'-4000'	HR	1-4		2,160.00
CE 240	BLENDING SERVICE CHARGE	SK	180		252.00
CE 504	PLUG CONTAINER CHARGE	JOB	1		250.00
3 003	SERVICE SUPERVISOR	EA	1		175.00
SUB TOTAL					9,238.40

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 LD DRILLING, INC.	Lease No.	Date 5-2-2012
Lease JS	Well # 1-12	
Field Order # 06201	Station PRATT, KS.	Casing 1/2" v 5 1/2"
Type Job CNW-5 1/2" L.S.	Depth	County BARTON
	Formation TD-3525'	State Ks.
		Legal Description 12-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size # 5 1/2" X 14"	Tubing Size	Shots/Ft	CMT-	Acid 150 SKS AA-2	RATE	PRESS	ISIP	
Depth 3412.59'	Depth	From	To	Pre Pad @ 1.37 CUP³	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3412.78'	Packer Depth	From	To	Flush 84.2 BBL	Gas Volume		Total Load	

Customer Representative **LD DAVIS** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	37586	19889	19843	19832	21010				
Driver Names	LESLEY	MARNEZ	PERSON						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00PM					ON LOCATION - SAFETY MEETING
8:30PM					RUN 82 JTS. 5 1/2" X 14" CSG.
9:00PM					TURBO. - 1, 5, 7, 9, 11, 13
10:00PM					CSG. ON BOTTOM
10:05PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
11:18PM	300		5	6	H2O AHEAD
11:13PM	300		24	5	MUD FLUSH
11:18PM	300		5	5	H2O SPACER
11:19PM	300		36.5	5	MIX 150 SKS. AA-2 @ 15.0 PPG
11:25PM					CLEAR PUMP & LINE / DROP T.R. PLUG
11:30PM	0		0	7	START DISPLACEMENT
11:38PM	400		58	5	LIFT PRESSURE
11:48PM	500		74	3	SLOW RATE
11:45PM	1000		84.2	2	PLUG DOWN - DIDN'T HOLD
11:47PM	1000		1	2	PST UP ON PLUG - DIDN'T HOLD
11:55PM	800		1	2	BUMP PLUG DOWN - CLOSE IN AT HEAD
					CIRC. THRO JOB
					PLUG R.H. & WASH UP TRUCK
1:00AM					CHECK CMT. - TAKE OFF HEAD & MANIFOLD
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. **2 1/4** in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. **2 7/8** in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. **3 1/2** in.
Jars: Make **STERLING** Serial Number _____ Test Tool Length _____ ft. Tool Size **3 1/2-IF** in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size **4 1/2-FH** in.
Main Hole Size **7 7/8** Tool Joint Size **4 1/2** in. Surface Choke Size **1** in. Bottom Choke Size **5/8** in.

Blow: 1st Open: _____
2nd Open: _____

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

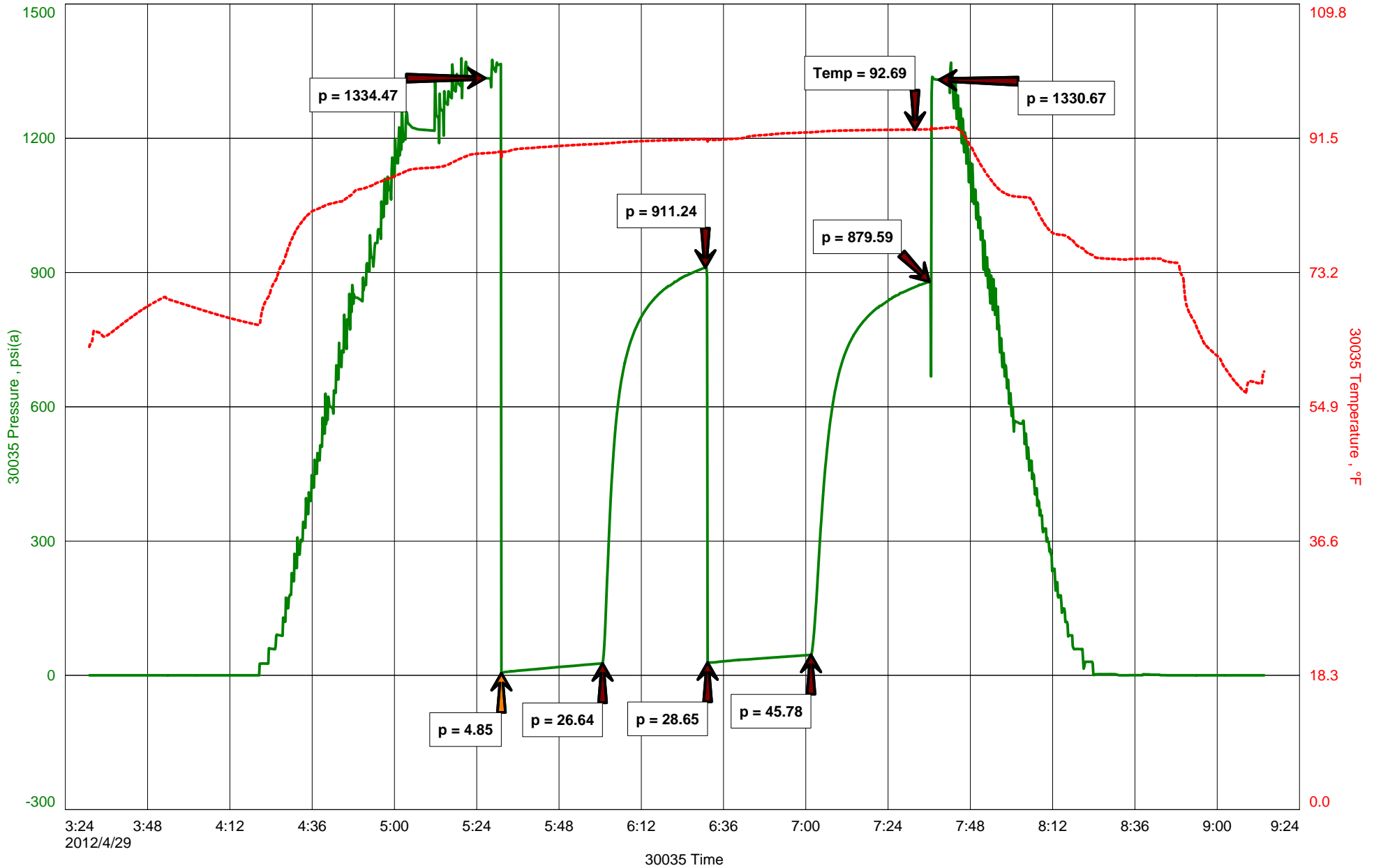
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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

LD Drilling Inc
DST #1 Platsmouth (Topeka) 2850-2890'
Start Test Date: 2012/04/29
Final Test Date: 2012/04/29

JS #1-12
Formation: DST #1 Platsmouth (Topeka) 2850-2890'
Pool: Wildcat
Job Number: S0137

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0137
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #1 Platsmouth (Topeka) 2850-2890'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell KS	Report Date	2012/04/29
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Platsmouth (Topeka) 2850-2890'		
Well Fluid Type	06 Water	Start Test Time	03:31:00
		Final Test Time	09:14:00
Start Test Date	2012/04/29		
Final Test Date	2012/04/29		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
110' Watery Mud 45% WTR 55% MUD
110' TOTAL FLUID

Ph: 8
RW: .75 @ 50 degrees F
CHLORIDES: 13,000 PPM

TOOL SAMPLE:
60% WTR 40% MUD



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

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

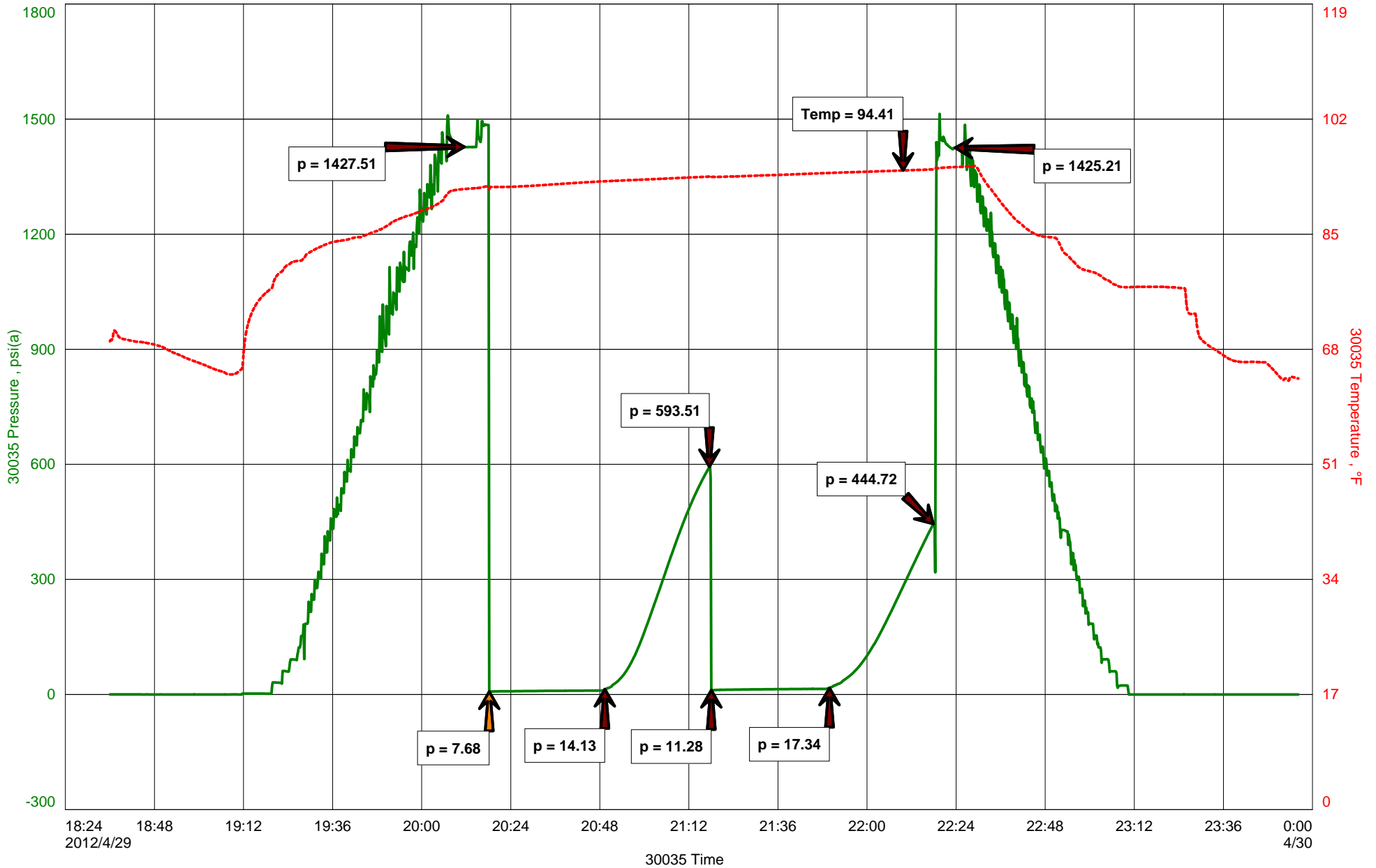
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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

LD Drilling Inc.
DST #2 Lansing A-C 3004-3055'
Start Test Date: 2012/04/29
Final Test Date: 2012/04/29

JS #1-12
Formation: DST #2 Lansing A-C 3004-3055'
Pool: Wildcat
Job Number: S0138

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc.

Contact	LD Davis	Job Number	S0138
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #2 Lansing A-C 3004-3055'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/04/29
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 Lansing A-C 3004-3055'		
Well Fluid Type	01 Oil	Start Test Time	18:36:00
		Final Test Time	23:57:00
Start Test Date	2012/04/29		
Final Test Date	2012/04/29		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
8' Slightly Oil Specked Mud 100% MUD
8' TOTAL FLUID

TOOL SAMPLE:
100% MUD



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

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

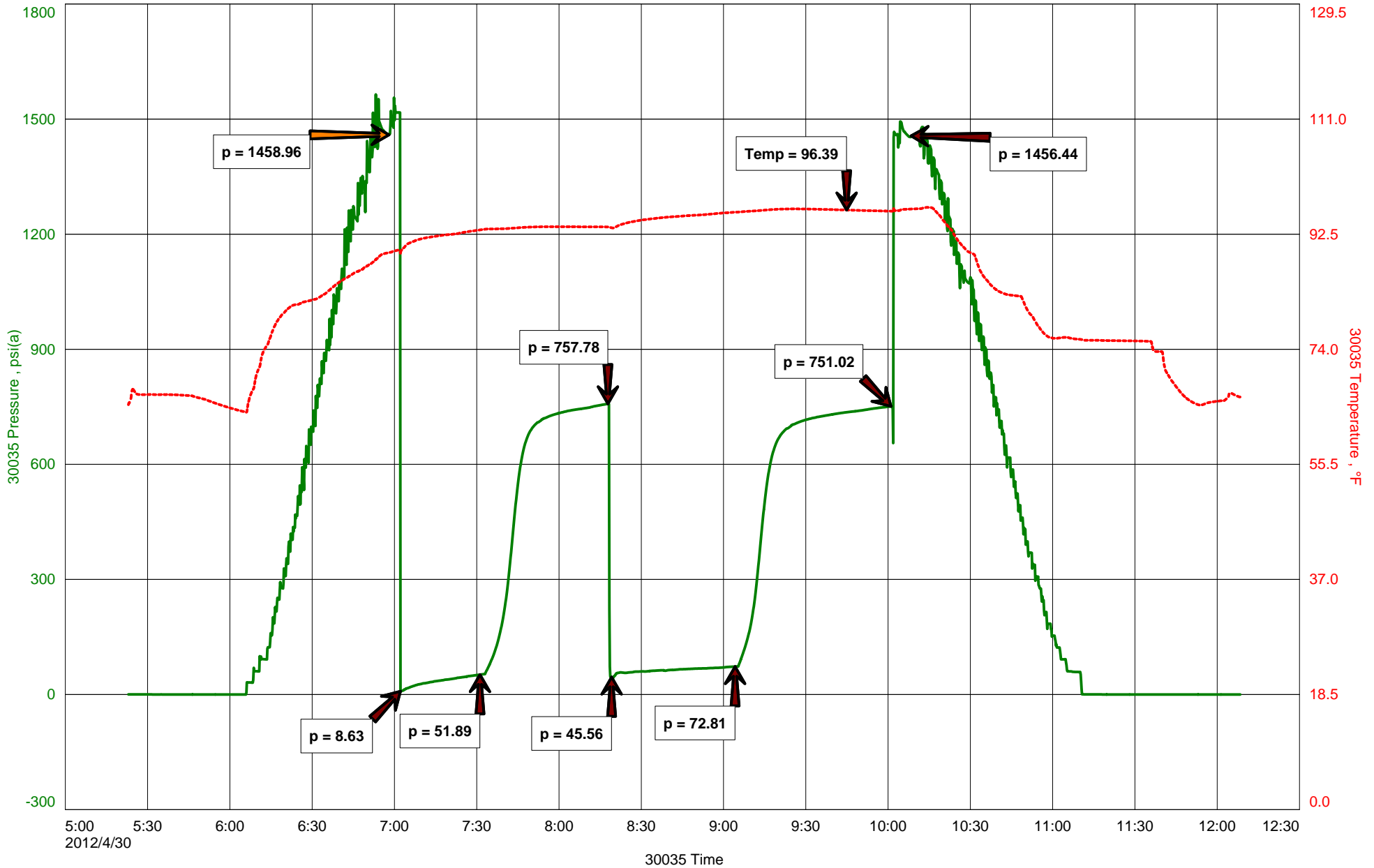
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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LD Drilling Inc
DST #3 Lansing D-F 3056-3090'
Start Test Date: 2012/04/30
Final Test Date: 2012/04/30

JS #1-12
Formation: DST #3 Lansing D-F 3056-3090'
Pool: Wildcat
Job Number: S0139

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0139
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #3 Lansing D-F 3056-3090'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/04/30
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Lansing D-F 3056-3090'		
Well Fluid Type	01 Oil	Start Test Time	05:23:00
		Final Test Time	12:10:00
Start Test Date	2012/04/30		
Final Test Date	2012/04/30		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

441'	GIP	
60'	GC Oily Mud	2% GAS 30% OIL 68% MUD
120'	GC Muddy Oil	12% GAS 63% Oil 25% MUD
180'	TOTAL FLUID	

TOOL SAMPLE:

8% GAS 64% Oil 28% MUD



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

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

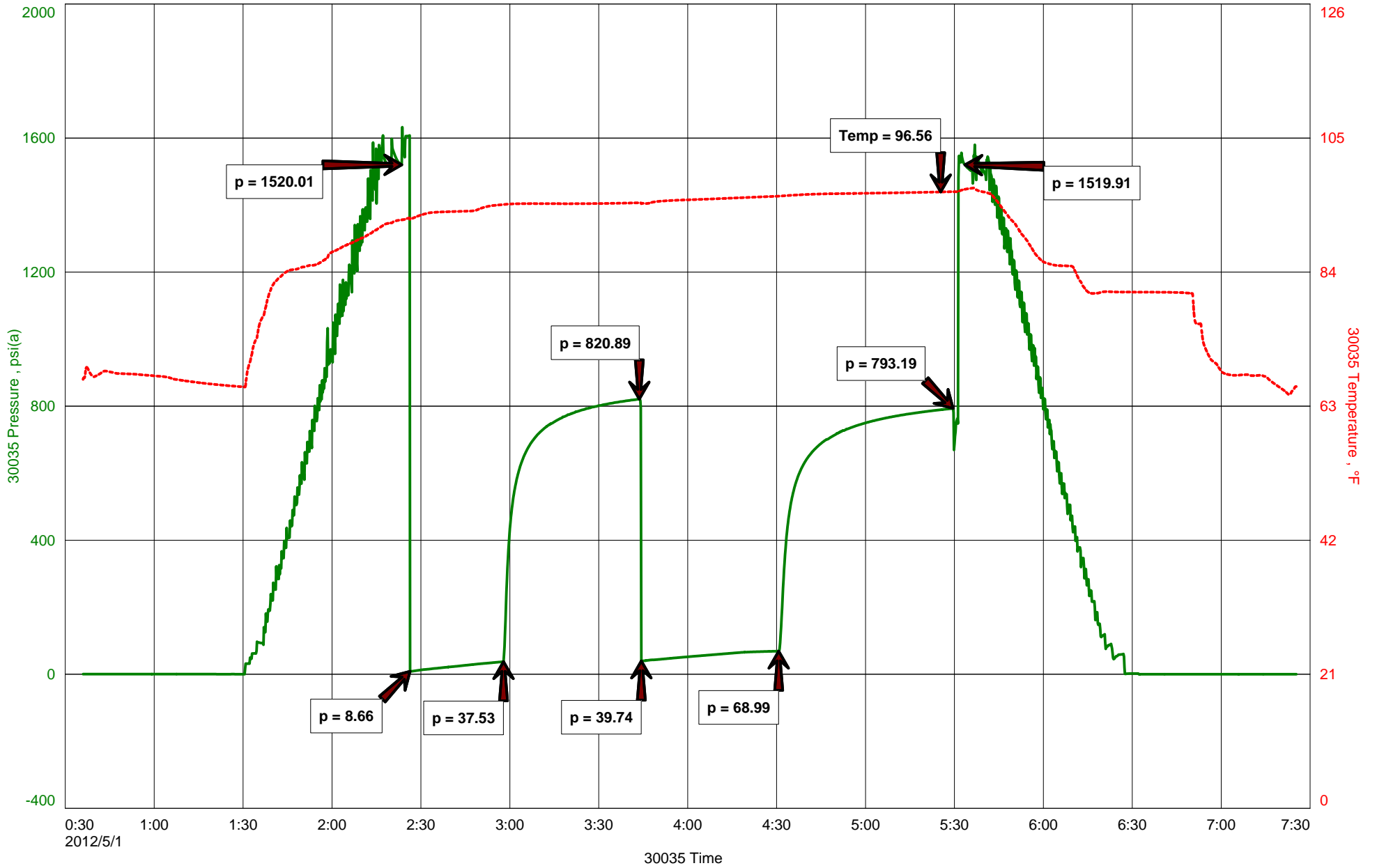
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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LD Drilling Inc
DST #4 Lansing "H-J" 3144-3215'
Start Test Date: 2012/05/01
Final Test Date: 2012/05/01

JS #1-12
Formation: DST #4 Lansing "H-J" 3144-3215'
Pool: Wildcat
Job Number: S0140

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0140
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #4 Lansing "H-J" 3144-3215'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/05/01
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	00:36:00
Formation	DST #4 Lansing "H-J" 3144-3215'	Final Test Time	07:26:00
Well Fluid Type	06 Water		
Start Test Date	2012/05/01		
Final Test Date	2012/05/01		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
128' Oil Specked Mud 1% OIL 99% MUD
128' TOTAL FLUID

TOOL SAMPLE:
2% OIL 98% MUD



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

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

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

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

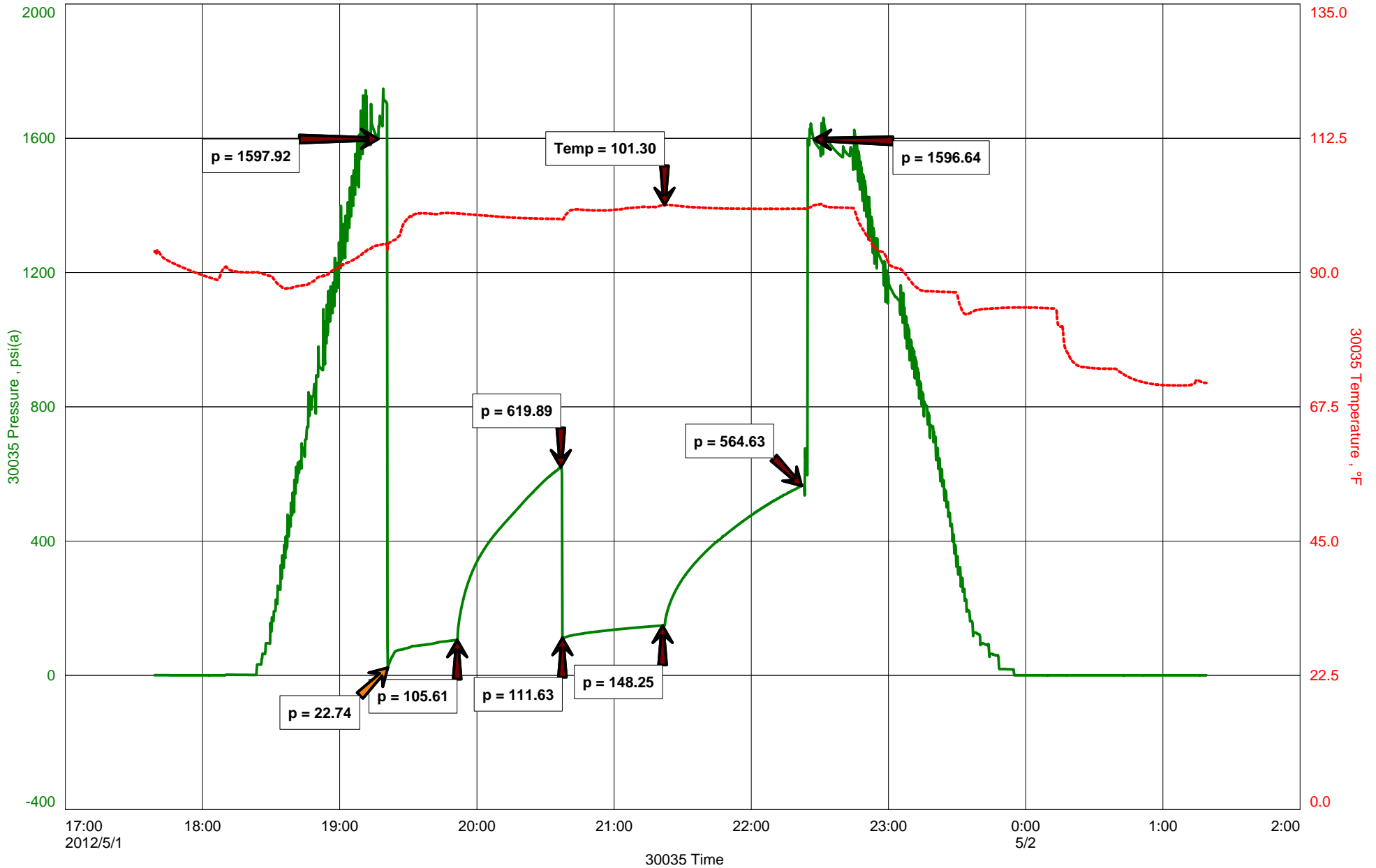
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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LD Drilling Inc
DST #5 Arbuckle 3273-3353'
Start Test Date: 2012/05/01
Final Test Date: 2012/05/02

JS #1-12
Formation: DST #5 Arbuckle 3273-3353'
Pool: Wildcat
Job Number: S0141

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0141
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #5 Arbuckle 3273-3353'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/05/02
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #5 Arbuckle 3273-3353'		
Well Fluid Type	06 Water	Start Test Time	17:39:00
		Final Test Time	01:20:00
Start Test Date	2012/05/01		
Final Test Date	2012/05/02		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
296' Watery Mud 35% WTR 65% MUD
296' TOTAL FLUID

Ph: 8
RW: .8 @ 70 degrees F
Chlorides: 11,000 ppm

TOOL SAMPLE:
42% WTR 58% MUD

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: JS #1-12
 Location: 8 5/8" @ 755'
 Pool:
 State: Kansas, Russell Co.

API: 15-167-23797-00-00
 Field: Wildcat
 Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: JS #1-12
 Surface Location: 8 5/8" @ 755'
 Bottom Location:
 API: 15-167-23797-00-00
 License Number:
 Spud Date: 4/25/2012 Time: 3:34 PM
 Region: NW-NE-SE-SW 12-15s-12w
 Drilling Completed: 5/2/2012 Time: 5:50 PM
 Surface Coordinates: 1190' From South Line & 2175' From West Line
 Bottom Hole Coordinates:
 Ground Elevation: 1847.00ft
 K.B. Elevation: 1852.00ft
 Logged Interval: 2600.00ft To: 3470.00ft
 Total Depth: 3470.00ft
 Formation: Lansing
 Drilling Fluid Type: Chemical Mud was displaced at 2600'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1190' From South Line
 E/W Co-ord: 2175' From West Line

LOGGED BY

Company: Musgrove Petroleum Corp.
 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: 4/25/2012 Time: 3:34 PM
 TD Date: 5/2/2012 Time: 5:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1852.00ft Ground Elevation: 1847.00ft

K.B. to Ground: 5.00ft

NOTES

On the Basis of the positive drill stem test in the Lansing F zone and after reviewing the electric logs, it was recommended by all parties involved in the JS 1-12 to set and cement 5 1/2" production casing to further test the Kansas City zone.

L.D. Drilling, Inc.

SAMPLE AND LOG TOPS

DRILLING WELL

JS 1-12

1852 KB

Formation	Sample	Sub-Sea	Log	Sub-Sea
Topeka	2633	-781	2630	-778
Heebner	2912	-1060	2910	-1058
Toronto	2929	-1077	2926	-1074
Douglas	2941	-1089	2940	-1088
Brown Lime	3000	-1148	2998	-1146
Lansing	3009	-1157	3011	-1159
Base KC	3277	-1425	3275	-1423
Arbuckle	3347	-1495	3351	-1499
Reagan Sand	3435	-1583	3334	-1482
Total Depth	3470	-1618	3470	-1618

ROCK TYPES

 Congl	 Dolsec	 shale, grn	 Carbon Sh
 Chtcongl	 Lmst fw7>	 shale, gry	 Ss

ACCESSORIES

STRINGER

--- Sandstone

OTHER SYMBOLS

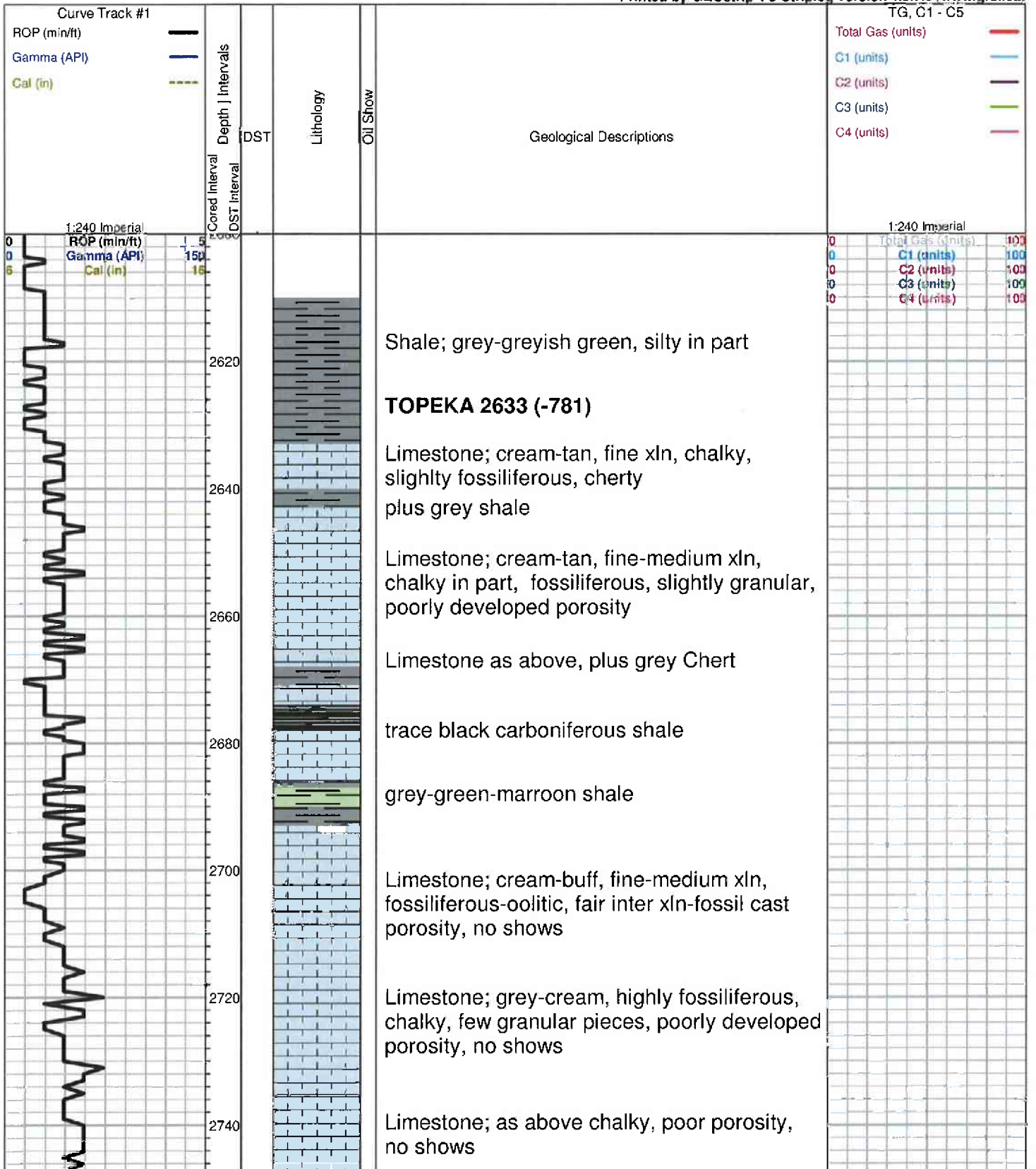
INTERVALS

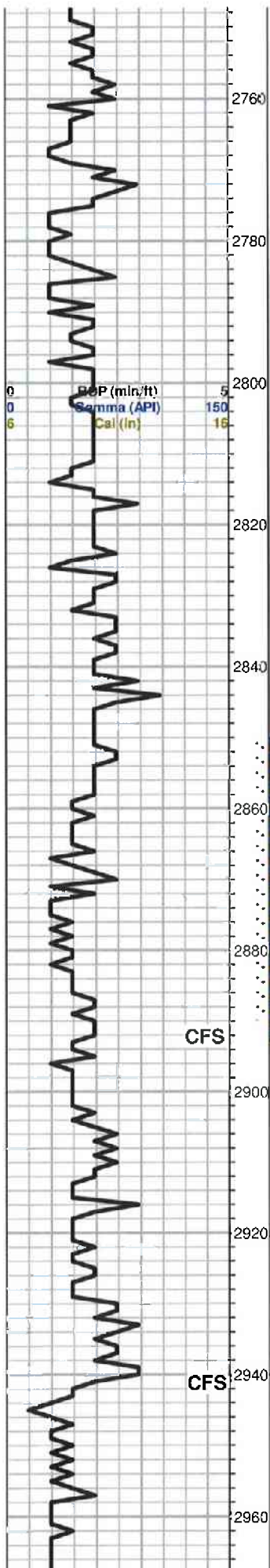
■ Core
 ○ DST

DST

■ DST Int
 ■ DST alt
 ■ Core
 ■ tail pipe

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Black Carboniferous Shale

grey-green shale

Shale; grey-green-maroon

Limestone; cream-lt. grey, white, fine-micro xln, chalky, dense, no visible porosity

grey shale

Black Carboniferous Shale

Limestone; cream-buff, fine xln, chalky, slightly fossiliferous, mottled in part, poor visible porosity, no shows

Limestone; cream-tan-buff, fine-medium xln, slightly sucrosic, dolomitic in part, fair inter xln porosity, brown stain, trace heavy spotty free oil, no odor, trace gas bubbles

Limestone; cream fine xln, fossiliferous, chalky, few scatter porosity, trace brown stain, trace spotty free oil, no odor

Limestone; tan-cream, fine xln, chalky in part, dense, slightly cherty

HEEBNER 2912 (-1060)

Black Carboniferous Shale

Shale; grey-green

TORONTO 2929 (-1074)

Limestone; cream-white, fine xln, chalky, poor visible porosity, dense, trace brown stain, NSFO, no odor

DOUGLAS 2941 (-1089)

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

Trace Sand; greyish green, very fine grained,

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

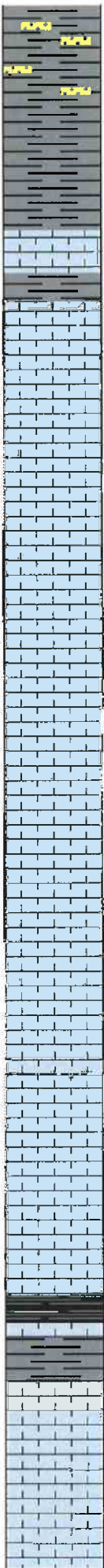
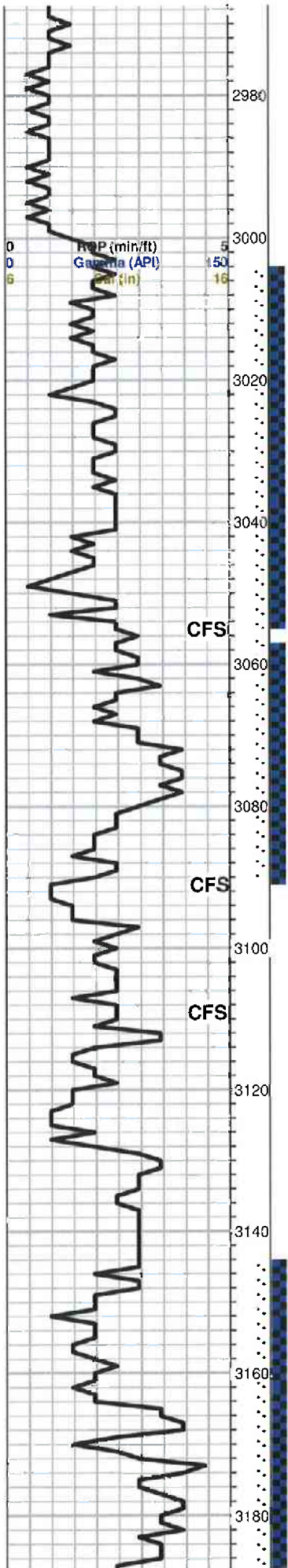
DST #1 2850-2890
30-30-30-30

Blow; built to 3"
Final; Built to 2"
no blow back

Recovery;
110' Watery Mud

Pressures;
ISIP 911
FSIP 880
IFP 5-27
FFP 29-46
HSH 1334-1331

KB 1852



sub rounded, sub angular, friable, micaceous, no shows

Shale and Sand as above

BROWN LIME 3000 (-1148)

Limestone; tan-brown, fine xln, fossiliferous, dense, cherty

LANSING 3009 (-1157)

Limestone; cream-white, fine xln, chalky, slighty fossiliferous, few scattered inter xln-sub oomoldic type porosity, brown-golden brown stain, lt SFO, very faint odor

Limestone; cream, fine xln, fossiliferous, chalky, poor porosity, no shows

Limestone; tan-cream-buff, oomoldic, chalky, good oomoldic type porosity, brown stain, trace free oil, no odor

Limestone; tan-grey, fine xln, fossiliferous, chalky, trace brown-dark brown stain, NSFO

Limestone; cream-grey, highly oolitic in part, poorly developed porosity, no shows

Limestone; cream, chalky, sub oomoldic-oomoldic, fair-good oomoldic porosity, golden brown-brown stain, SFO, good odor

Limestone; cream-lt. grey, fine xln, chalky, fossiliferous/oolitic, few scattered porosity, no shows

Limestone; cream-white, fine xln, chalky, oolitic-oomoldic, fair oomoldoc-oolicastic type porosity, trace brown stain, questionable trace free oil, faint odor

Limestone; cream-buff, fine xln, chalky in part, fossiliferous/oolitic, dense, plus white oolitic, boney Chert

black carboniferous shale

plus black-grey shale

Limestone; tan-cream, fine-medium xln, fossiliferous, fair porosity, trace brown spotty stain, trace free oil, very faint odor

Limestone; cream-lt grey, oolitic in part, chalky, fine-medium xln, few scattered

DST #2 3004-3055
30-30-30-30

Blow; Weak Surface

Recovery;
8' oil specked mud

Pressures;
ISIP 594
FSIP 445
IFP 8-14
FFP 11-17
HSH 1428-1425

DST #3 3056-3090
30-45-45-60

Blow; BOB in 15 min.
Final, BOB in 7 min.
1" blow back

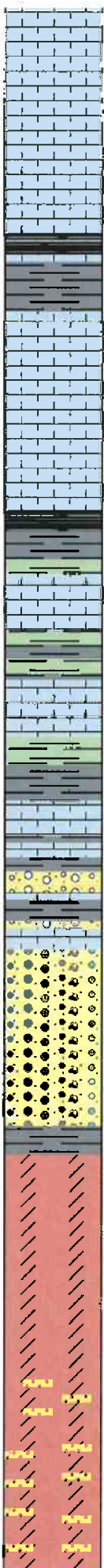
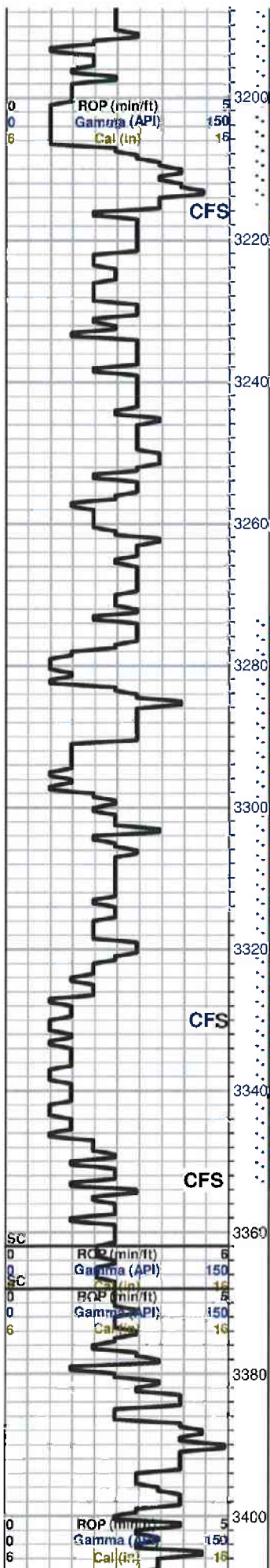
Recovery;
441' GIP
60' GCOM
(2%gas 30%oil 68% mud)
120'GCMO
(12%gas 63%oil 25% mud)

Pressures;
ISIP 758
FSIP 751
IFP 9-52
FFP 46-73
HSH 1459-1456

DST #4 3144-3215
30-45-45-60

Blow; built to 3 3/4"
Final, built to 3 1/2"

Recovery;
128' oil speck mud
(1%oil 99% mud)



oolitic porosity, brown stain slight SFO faint odor (80% barren)

Limestone; cream-white, chalky, sub oomoldic, fair-good oomoldic porosity, no shows

black carboniferous shale plus grey-green shale

Limestone; cream-lt. grey, micro-fine xln, chalky, dense, poor-no visible porosity, no shows

Limestone; as above plus few loose fossil fragments, slightly cherty, no shows

black carboniferous shale

BASE KANSAS CITY 3277 (-1425)

Grey-greyish green; Shale, silty in part

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

Shale; grey-green-dark grey

Limestone; cream-grey, fine xln, oolitic in part, slightly granular

As above plus Shale; grey-green-brick red

Chert; bright yellow-orange, boney

Chert as above, plus olive-mustard colored, semi tripolitic in part, few oolitic

Chert; yellow-orange-amber, fresh/boney, no shows

ARBUCKLE 3347 (-1495)

Dolomite; lt. grey-white, medium xln, fair inter xln, porosity, trace brown stain, spotty SFO in 40% of wet samples, very faint odor

Dolomite; white-lt. grey, fine-medium xln, dense, slightly cherty, few scattered inter xln porosity, trace brown stain, trace spotty free oil faint odor

Dolomite; white-lt. grey, fine-medium xln, granular/sandy, poorly developed porosity, no shows, cherty in part, plus quartz

Dolomite; cream, fine xln, sucrosic, granular/sandy in part, poor porosity, no shows

(1/001 55/0100)

Pressures;
 ISIP 821
 FSIP 793
 IFP 9-38
 FFP 40-69
 HSH 1520-1520

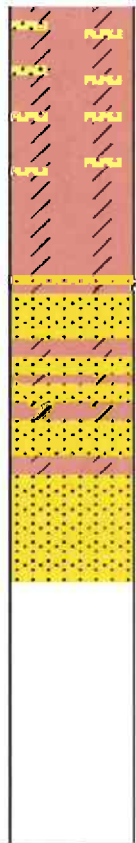
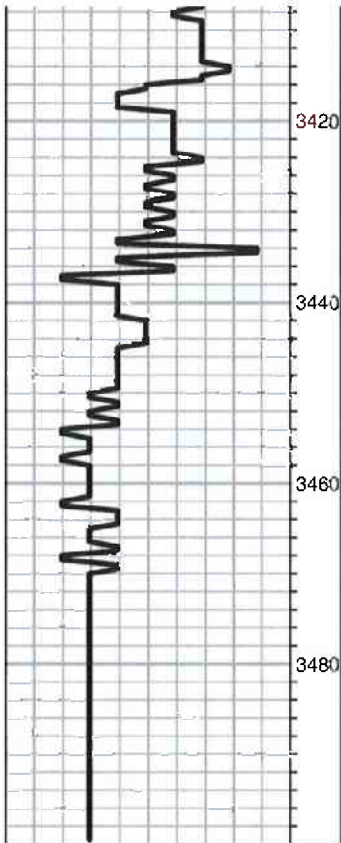
DST #5 3273-3353
 30-45-45-60

Blow; BOB in 13 1/2 minutes
Final; Built to 10" no blow back

Recovery;
 296' Watery Mud (35% water 65% mud)

Pressures;
 ISIP 620
 FSIP 565
 IFP 23-106
 FFP 112-148
 HSH 1598-1597

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100



Dolomite as above

Dolomite; cream-lt. grey, fine xln, sandy/granular no shows

as above plus Sand; cream fine grained, no shows

REAGAN SAND 3435 (-1583)

Sand; cream, fine grained, sub rounded, sub angular, friable, dolomitic in part, fair inter granular porosity, no shows

Sand; cream-clear, fine grained, sub rounded, sub angular, friable, fair inter granular porosity, no shows

ROTARY TOTAL DEPTH 3470 (-1618)

