



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: _____



1141459

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	QUIVERA RANCH 2-34
Doc ID	1141459

Tops

Name	Top	Datum
HEEBNER	3063	-1263
TORONTO	3079	-1279
DOUGLAS	3096	-1296
BROWN LIME	3203	-1403
LANSING	3219	-1419
BASE KANSAS CITY	3486	-1686
VIOLA	3536	-1736
SIMPSON SHALE	3577	-1777
ARBUCKLE	3623	-1823



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 07638 A

DATE _____ TICKET NO. _____

DATE OF JOB: 1-12-2013		DISTRICT _____		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: QUIVERA RANCH		WELL NO.: 34						
ADDRESS _____		COUNTY: STAFFORD		STATE: KS.						
CITY _____ STATE _____		SERVICE CREW: LESLEY, MARQUEZ, CALLAWAY								
AUTHORIZED BY _____		JOB TYPE: CNW - 8 5/8" S.P.								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
375816	4						1-11-2013			9:30
19889-19843	4					ARRIVED AT JOB				11:00
19959-21010	4					START OPERATION	1-12-2013	AM		12:00
						FINISH OPERATION		AM		1:00
						RELEASED		AM		1:30
						MILES FROM STATION TO WELL		45		

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

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

SIGNED: Brandon Swiles
(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	175		3,150.00
CP 100C	CONDITIONAL CMT.	SK	175		2,800.00
CC 102	CELLOFLAKE	lb	88		325.60
CC 109	CALCIUM CHLORIDE	lb	825		816.25
CF 153	WOODEN CMT. PLUG, 8.5/8"	EA	1		160.00
CC 131	SUGAR	lb	100		300.00
E 100	PICKUP MILEAGE	MT	45		191.25
E 101	HEAVY EQUIPMENT MILEAGE	PTE	90		630.00
E 113	BULK DELIVERY CHARGE	TM	743		1,188.00
CF 200	DEPTH CHARGE; 0-500'	HR	1-4		1,000.00
CF 240	BLENDING SERVICE CHARGE	SK	350		490.00
CF 504	PLUG CONTAINER CHARGE	WB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL: 8,569.58

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> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO. _____	

Customer	LD DRILLING, INC.	Lease No.		Date	1-12-2013
Lease	QUIVERA RANCH	Well #	2-34		
Field Order #	01038	Station	PRATT, KS.	Casing	8 5/8"
				Depth	
Type Job	CNW - 8 5/8" S.P.	Formation	TD - 347'	Legal Description	34-22-11

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 5/8"	2 3/4"			175 SKS. A-CON @ 2.11 CUFT			5 Min.	
347.27'	Depth	From	To	Pre Pad	Max		10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			

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

Service Units	37586	19889	19843	19959	21010				
Driver Names	LESLEY	MARQUEZ	CHLAWAY						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00 PM	1-11-2013				ON LOCATION - SAFETY MEETING
11:30 PM					RUN 8 JTS. 8 5/8" x 24" CSG.
12:00 AM	1-12-2013				CSG. ON BOTTOM
12:05 AM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
12:22 AM	250		5	6	H2O AHEAD
12:30 AM	200		77	6	MIX 175 SKS. A-CON @ 12 PPG
12:44 AM	100		37.5	6	MIX 175 SKS. COMMON @ 15.6 PPG
12:50 AM					SHUT DOWN - RELEASE PLUG
12:54 AM	0		0	4	START DISPLACEMENT
12:58 AM	175		17	3	SLOW RATE
1:00 AM	200		22.5	3	PLUG @ DESIRED DEPTH
					CIRC. THRU JOB
					CIRC. 15 BBL TO PIT
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



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 07641 A

DATE _____ TICKET NO. _____

DATE OF JOB: 1-18-2013 DISTRICT		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: QUIVERA RANCH		WELL NO.: 2-34					
ADDRESS:		COUNTY: STAFFORD		STATE: Ks.					
CITY:		STATE:		SERVICE CREW: LESLEY, MARQUEZ, PAYE					
AUTHORIZED BY:		JOB TYPE: CNLW - 5 1/2" L.S.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37586	6						1-18-13	AM	2:00
19889-19843	6							AM	4:30
70959-19918	6							AM	4:45
								AM	9:30
								AM	10:30
						MILES FROM STATION TO WELL	45		

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100C	COMMON CMT.	SK	150		2,400.00
CP 103	600/40 P02	SK	30		360.00
CC 105	C-41P DEFOAMER	lb	36		144.00
CC 111	SALT	lb	1216		608.00
CC 112	CMT. FRICTION REDUCER	lb	106		636.00
CC 113	GYP SUM	lb	705		528.75
CC 201	GYP SOLITE	lb	750		502.50
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	FLAPPER TYPE INSERT FLAT VALVE, 5 1/2"	EA	1		215.00
CF 1651	TURBOLIZER, 5 1/2"	EA	6		660.00
CC 159	FLOW-SEAL II (SODIUM SILICATE), 12%	GAL	330		1,980.00
E 100	PICKUP MILEAGE	MI	45		191.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	90		630.00
E 113	BULK DELIVERY CHARGE	TM	376		601.20
CE 204	DEPTH CHARGE; 3001'-4000'	HR	1-4		2,160.00
CE 240	BLENDING SERVICE CHARGE	SK	180		252.00
CE 504	PLUG CONTAINER	VS	1		250.00
S 103	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL 9,406.53
NLS 1,406

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: *[Signature]*
FIELD SERVICE ORDER NO. _____

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 1-18-2013
Lease QUIVERA RANCH	Well # 2-34	
Field Order # 07691	Station PRATT, KS.	Casing 5 1/2"
	Depth 3726	County STAFFORD
Type Job CNLW - 5 1/2" L.S.	Formation TD-3730'	State KS.
		Legal Description 34-22-11

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2"	1 1/4"			150SK COMMON			5 Min.	
Depth 3726'	Depth	From	To	Pre Pad @ 1.36 COFT	Max		10 Min.	
Volume 90.7 BBL	Volume	From	To	Pad	Min SJ = 9'		15 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth 3719'	Packer Depth	From	To	Flush 90.7 BBL	Gas Volume			

Customer Representative LD	Station Manager D. SCOTT	Treater K. LESLEY
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Service Units	37586	19889	19843	70959	19918				
Driver Names	LESLEY	MARQUEZ	—	PHYE	—				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:45AM					ON LOCATION - SAFETY MEETING
7:00AM					RUN 91 JTS. 5 1/2" x 14"
8:10AM					TURBO. - 1, 3, 5, 7, 9, 11
8:15AM					CSG. ON BOTTOM
8:55AM	250		5	6	H2O AHEAD
9:00AM	250		8	6	SODIUM SILICATE
9:01AM	300		5	6	H2O SPACER
9:02AM	150		36	6	MIX 150 SKS. COMMON @ 15.5 PPG
					LEAVE TUB 1/2 FULL
9:08AM					CLEAR TUB, PUMP, LINE/DROP PLUG
9:12AM	0		0	6	START DISPLACEMENT
9:23AM	300		70	5	LIFT PRESSURE
9:25AM	600		80	2	SLOW RATE TO 2BPM
9:30AM	1200		90.7	2	PLUG DOWN - HEID
					CIRC. THRU JOB
			6	3	PLUG R.H.
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling	Well Name	Quivera Ranch #2-34
Well Operator	LD Drilling	Unique Well ID	DST #1 Lansing "B-F" 3245'-3315'
Contact	LD Davis	Surface Location	Sec 34-22s-11w-Stafford Co.-KS
Site Contact	Josh Austin	Test Unit	#5
Field	Sleeper South	Pool	Sleeper South
Well Type	Vertical	Job Number	F083
Prepared By	Jake Fahrenbruch	Qualified By	Josh Austin

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	Lansing "B-F" 3245'-3315'	Gauge Name	0062
Start Test Date	2013/01/15	Start Test Time	08:44:00
Final Test Date	3013/01/15	Final Test Time	14:56:00

Test Results

Recovered: 20' Drlg Mud 100% mud
 ----- +/- 100' GIP
 ----- Tool Sample: SOSM, <1% oil, >99% mud
 ----- Bottom Hole Temp: 97 Deg F

Pressures: IHP: 1586
 IFP: 14-17
 ISIP: 84
 FFP: 16-21
 FSIP: 94
 FHP: 1578



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: _____	

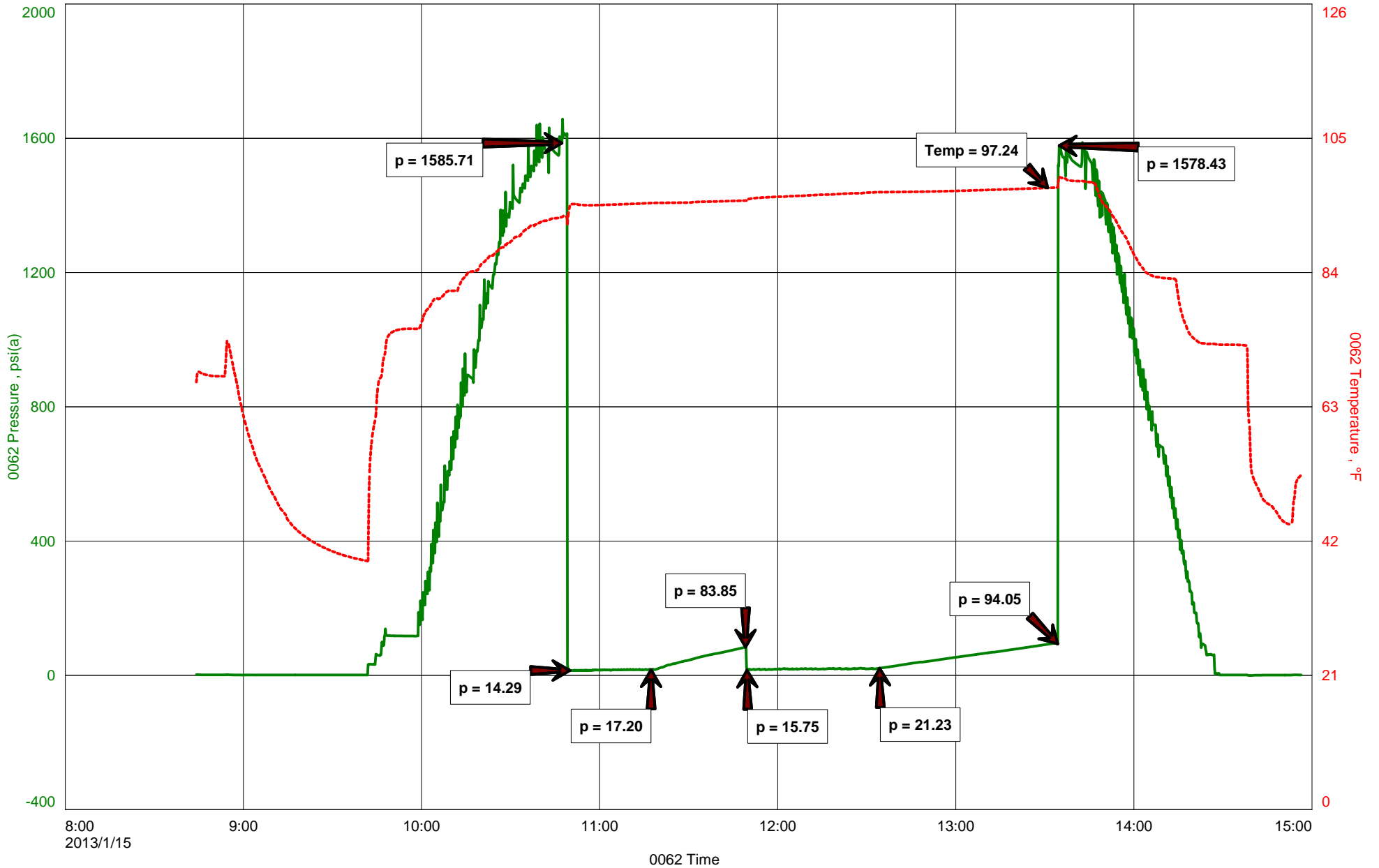
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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
DST #1 Lansing "B-F" 3245'-3315'
Start Test Date: 2013/01/15
Final Test Date: 2013/01/15

Quivera Ranch #2-34
Formation: Lansing "B-F" 3245'-3315'
Pool: Sleeper South
Job Number: F083

Quivera Ranch #2-34





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling	Well Name	Quivera Ranch #2-34
Well Operator	LD Drilling	Unique Well ID	DST #2 Lansing "H-K" 3358'-3450'
Contact	LD Davis	Surface Location	Sec 34-22s-11w-Stafford Co.-KS
Site Contact	Josh Austin	Test Unit	#5
Field	Sleeper South	Pool	Sleeper South
Well Type	Vertical	Job Number	F084
Prepared By	Jake Fahrenbruch	Qualified By	Josh Austin

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	Lansing "H-K" 3358'-3450'	Gauge Name	0062
Start Test Date	2013/01/16	Start Test Time	03:33:00
Final Test Date	2013/01/16	Final Test Time	10:31:00

Test Results

Recovered:

- 45' SOCM 5% oil, 95% mud
- 120' Gassy WCMO 20% gas, 45% oil, 10% wtr, 25% mud
- 460' GIP
- Total Recovered Fluid: 165'
- Tool Sample: WCMO 10% wtr, 50% oil, 40% mud
- Chlorides: 10,000 ppm
- Bottom Hole Temp: 102 Deg F

Pressures:

- IHP: 1618
- IFP: 18-62
- ISIP: 807
- FFP: 60-86
- FSIP: 669
- FHP: 1611



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

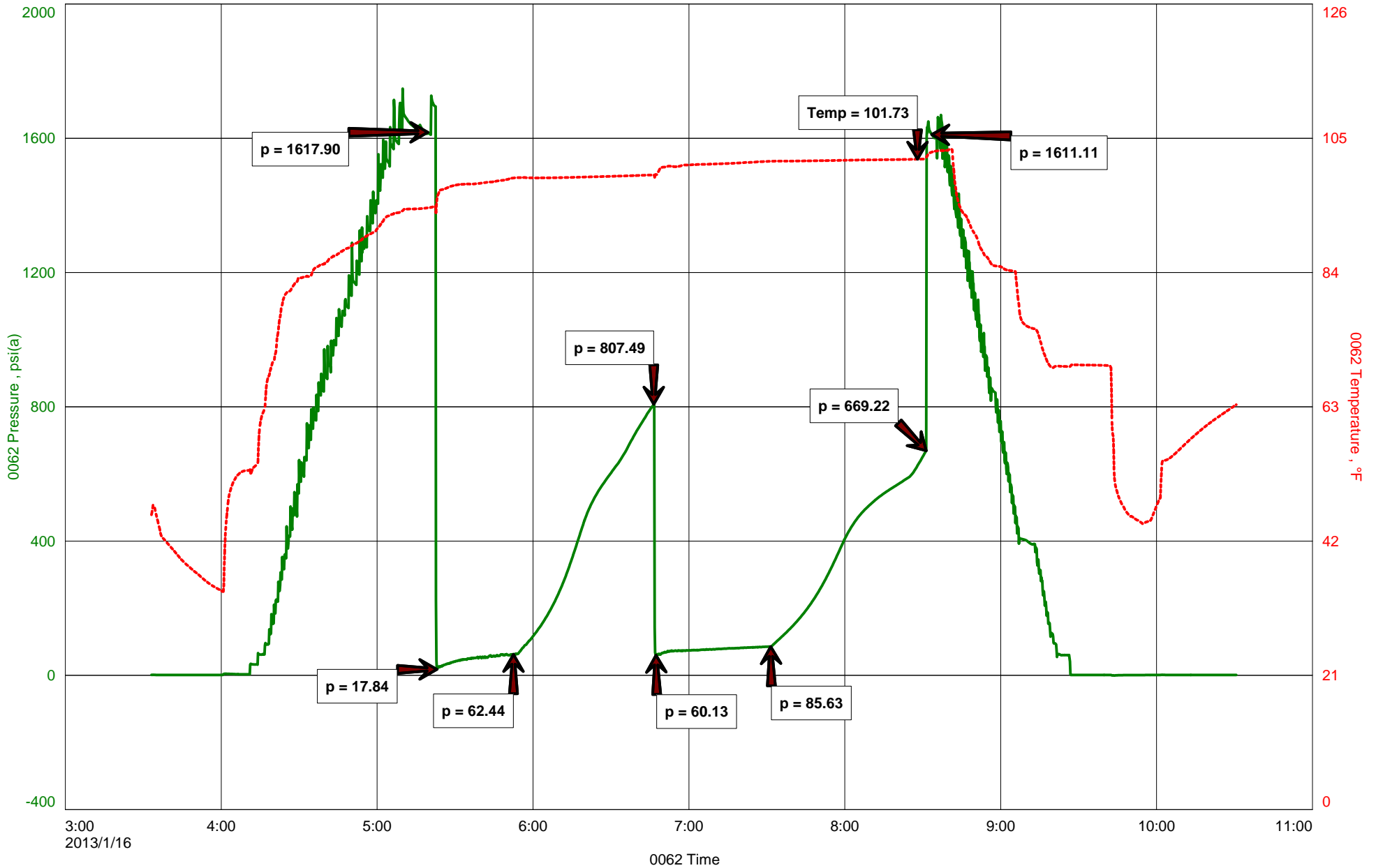
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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
DST #2 Lansing "H-K" 3358'-3450'
Start Test Date: 2013/01/16
Final Test Date: 2013/01/16

Quivera Ranch #2-34
Formation: Lansing "H-K" 3358'-3450'
Pool: Sleeper South
Job Number: F084

Quivera Ranch #2-34





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling	Well Name	Quivera Ranch #2-34
Well Operator	LD Drilling	Unique Well ID	DST #3 Arbuckle 3569'-3628'
Contact	LD Davis	Surface Location	Sec 34-22s-11w-Stafford Co.-KS
Site Contact	Josh Austin	Test Unit	#5
Field	Sleeper South	Pool	Sleeper South
Well Type	Vertical	Job Number	F085
Prepared By	Jake Fahrenbruch	Qualified By	Josh Austin

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	Arbuckle 3569'-3628'	Gauge Name	0062
Start Test Date	2013/01/17	Start Test Time	00:00:00
Final Test Date	2013/01/17	Final Test Time	09:49:00

Test Results

Recovered: 2780' = 39.48 BBL Clean Gassy Oil 100% oil
 300' = 3.14 BBL GssySWCHMCO 14% g, 61% o, 3% w, 22% m
 ----- Total Recovered Fluid: 3080' = 42.62 BBL
 ----- Gas To Surface (TSTM)
 ----- Tool Sample: NA (tool evacuated itself upon opening)
 ----- Gravity: 36 (corrected)
 ----- Bottom Hole Temp: 115 Deg F

Pressures: IHP: 1754
 IFP: 349-796
 ISIP: 1239
 FFP: 814-1084
 FSIP: 1239
 FHP: 1749



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: _____	

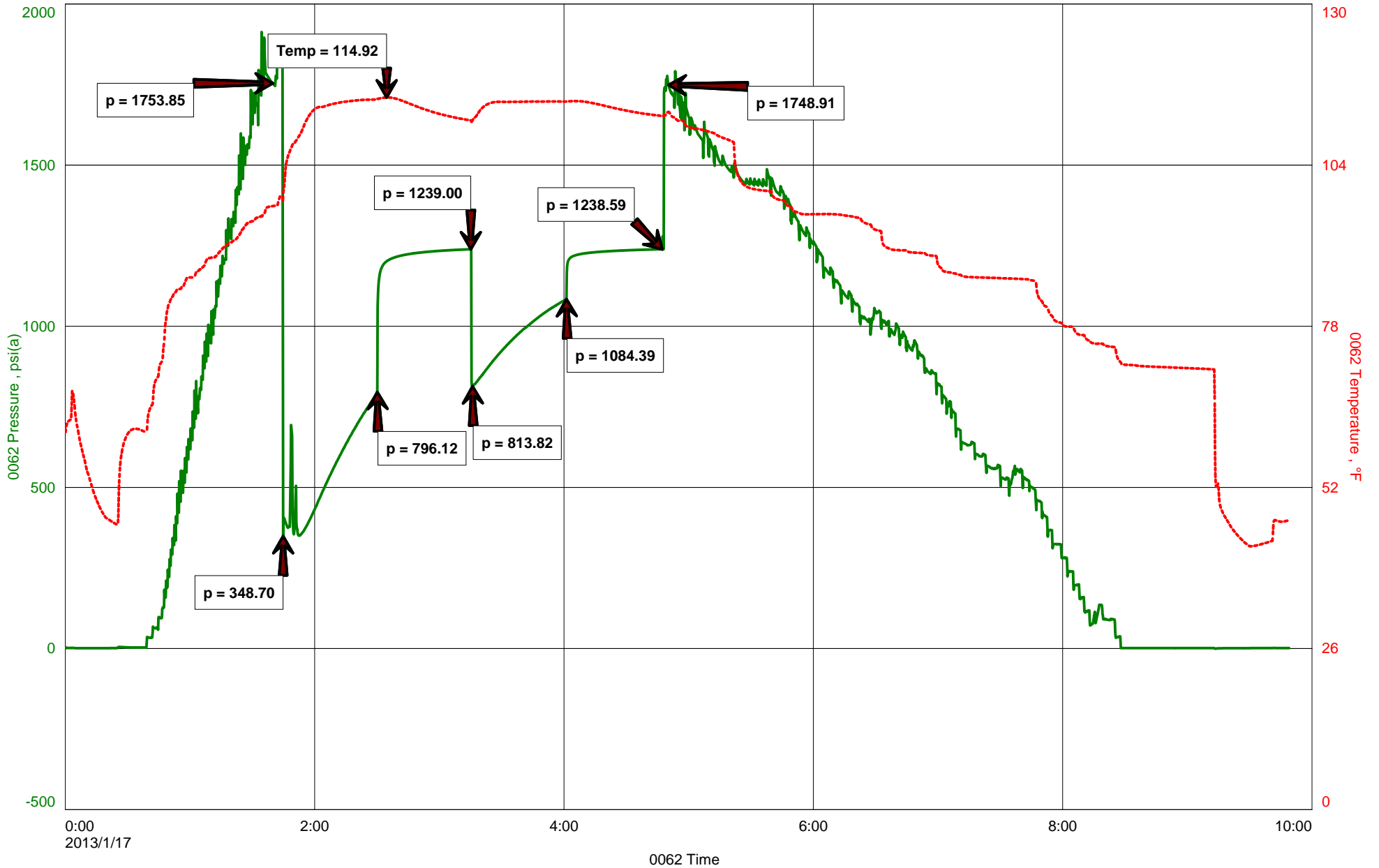
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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
DST #3 Arbuckle 3569'-3628'
Start Test Date: 2013/01/17
Final Test Date: 2013/01/17

Quivera Ranch #2-34
Formation: Arbuckle 3569'-3628'
Pool: Sleeper South
Job Number: F085

Quivera Ranch #2-34



OPERATOR

Company: L.D. Drilling, Inc
 Address: 7 SW 26th Ave
 Great Bend, Kansas 67530

Contact Geologist:
 Contact Phone Nbr: 620-793-3051
 Well Name: Quivera Ranch 2-34
 Location: 8 5/8" @ 347'
 Pool:
 State: Kansas, Stafford County

API: 15-185-23785-00-00
 Field: Sleeper South
 Country: USA



Joshua R. Austin

Petroleum Geologist

report for

L.D. DRILLING, INC.



Scale 1:240 Imperial

Well Name: Quivera Ranch 2-34
 Surface Location: 8 5/8" @ 347'
 Bottom Location:
 API: 15-185-23785-00-00
 License Number:
 Spud Date: 1/9/2013 Time: 11:34 AM
 Region: NW-SW-NE-NW 34-22s-11w
 Drilling Completed: 1/17/2013 Time: 5:50 PM
 Surface Coordinates: 910' From North Line & 1633' From East Line
 Bottom Hole Coordinates:
 Ground Elevation: 1795.00ft
 K.B. Elevation: 1800.00ft
 Logged Interval: 2700.00ft To: 3730.00ft
 Total Depth: 3730.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical Mud was displaced at 2600'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 910' From North Line
 E/W Co-ord: 1633' From East Line

LOGGED BY

Company: Joshua R. Austin, Petroleum Geologist
 Address: 732 NE 110th Ave
 Stafford, KS 67578

Phone Nbr: 620-546-3960
 Logged By: Geologist Name: Josh Austin

CONTRACTOR

Contractor: Petromark Drilling, LLC
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 1/9/2013 Time: 11:34 AM
 TD Date: 1/17/2013 Time: 5:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1800.00ft
 K.B. to Ground: 5.00ft

Ground Elevation: 1795.00ft

NOTES

On the basis of the positive structural position and drill stem test number three, it was recommended by all parties involved in the Quivera Ranch 2-34 to set 5 1/2" production casing at the rotary total depth 3730'. The following zones should be tested before plugging:

Arbuckle 3624-26
 Lansing 'K' 3434-38

L.D. Drilling, Inc.

well comparison sheet

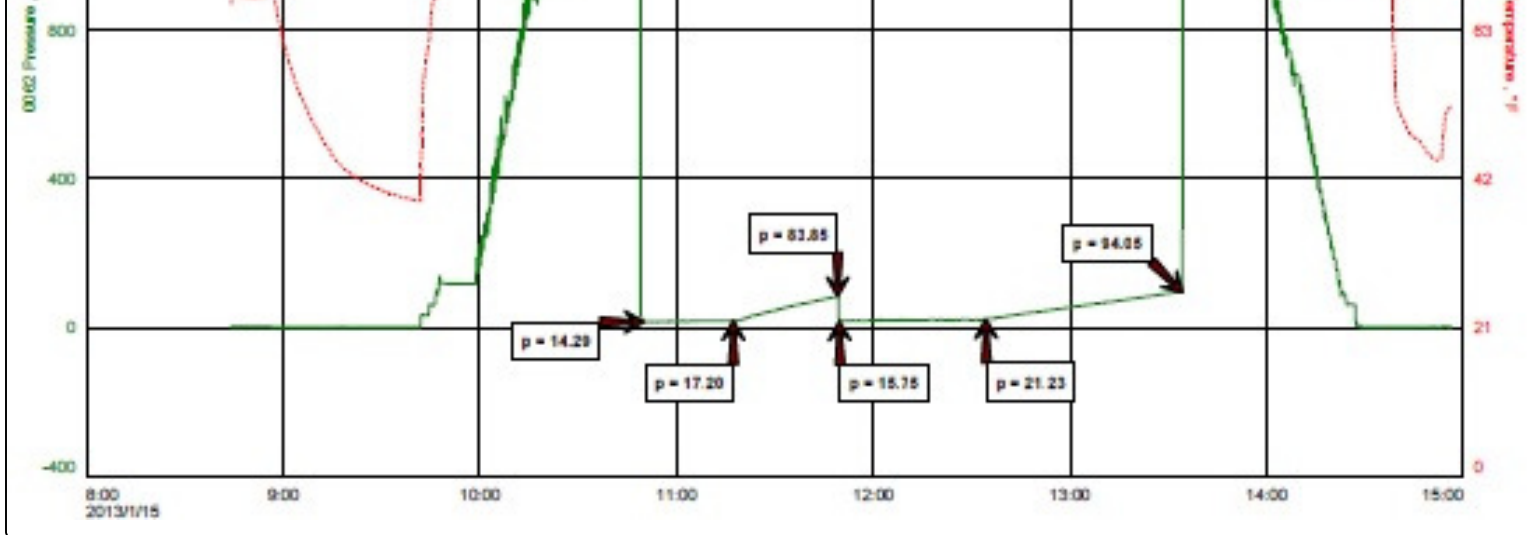
DRILLING WELL					COMPARISON WELL			
Quivera Ranch 2-34					Quivera Ranch 1-34			
1800 KB					1798 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Heebner	3062	-1262	3063	-1263	3064	-1266	4	3
Toronto	3081	-1281	3079	-1279	3081	-1283	2	4
Douglas	3096	-1296	3096	-1296	3096	-1298	2	2
Brown Lime	3204	-1404	3203	-1403	3203	-1405	1	2
Lansing	3220	-1420	3219	-1419	3219	-1421	1	2
Base KC	3488	-1688	3486	-1686	3487	-1689	1	3
Viola	3540	-1740	3536	-1736	3539	-1741	1	5
Simpson Shale	3571	-1771	3577	-1777	3576	-1778	7	1
Arbuckle	3625	-1825	3623	-1823	3624	-1826	1	3
Total Depth	3730	-1930	3730	-1930	3728	-1930		

LD Drilling
 DST #1 Lansing "B-F" 3245'-3315'
 Start Test Date: 2013/01/15
 Final Test Date: 2013/01/15

Quivera Ranch #2-34
 Formation: Lansing "B-F" 3245'-3315'
 Pool: Sleeper South
 Job Number: F083

Quivera Ranch #2-34

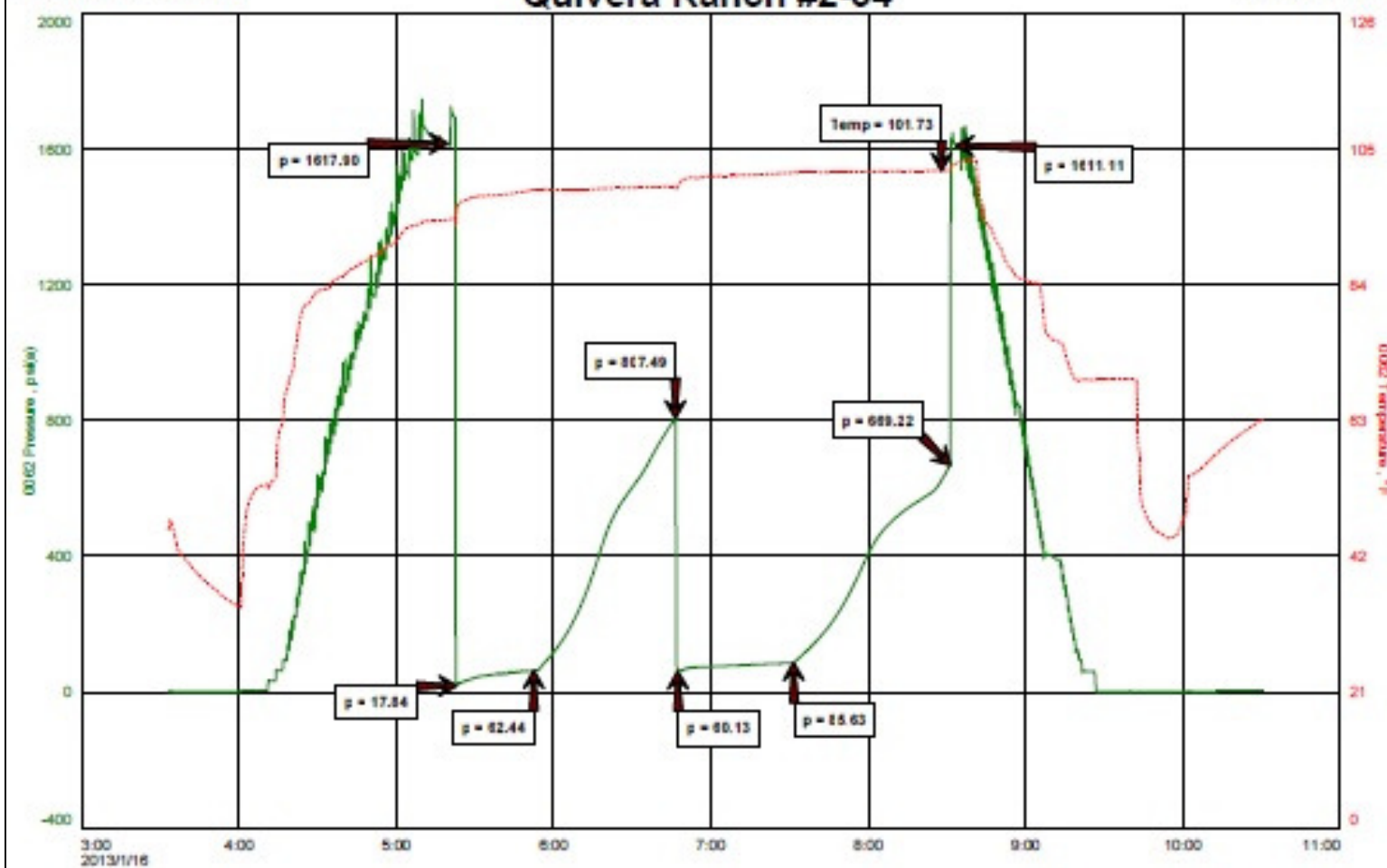




LD Drilling
 DGT #2 Lansing "H-K" 3358'-3450'
 Start Test Date: 2013/01/15
 Final Test Date: 2013/01/16

Quivera Ranch #2-34
 Formation: Lansing "H-K" 3358'-3450'
 Pool: Sleeper South
 Job Number: F08

Quivera Ranch #2-34

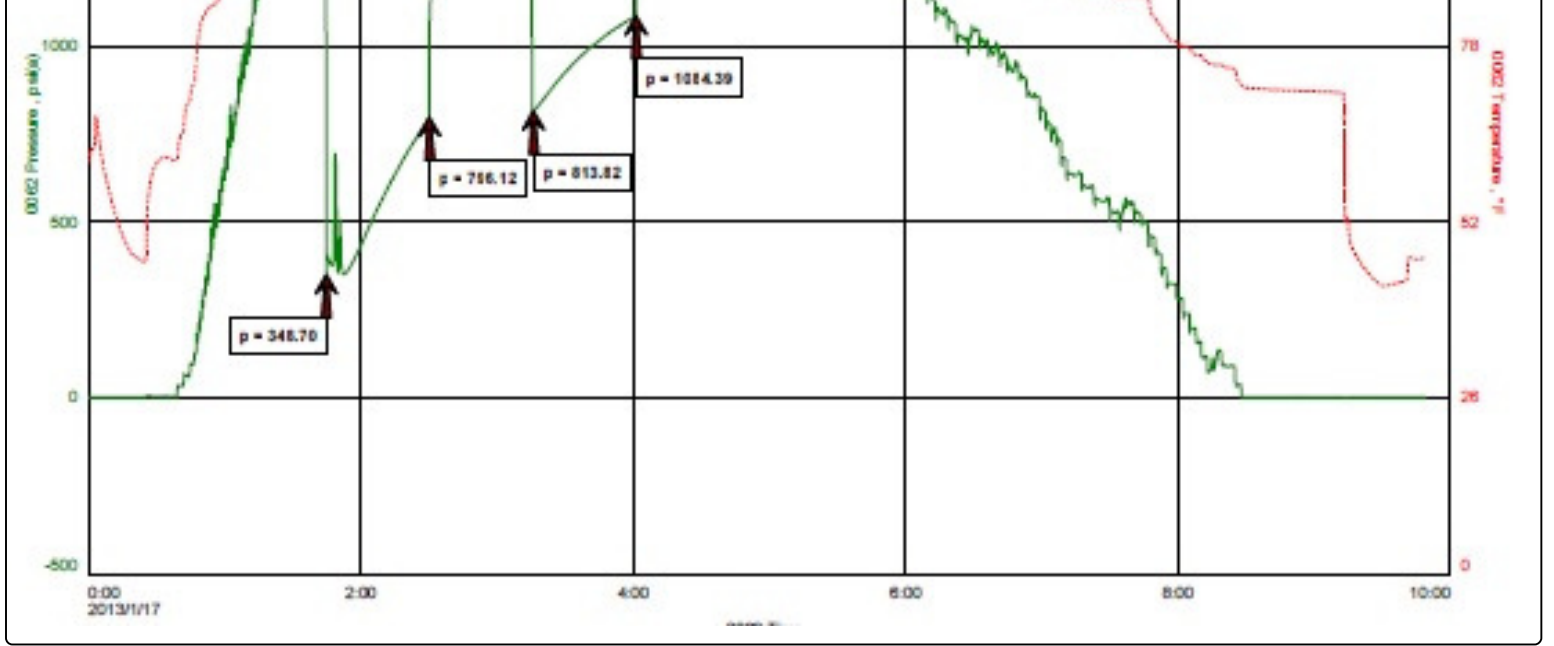


LD Drilling
 DGT #3 Arbuckle 3569'-3628'
 Start Test Date: 2013/01/17
 Final Test Date: 2013/01/17

Quivera Ranch #2-34
 Formation: Arbuckle 3569'-3628'
 Pool: Sleeper South
 Job Number: F085

Quivera Ranch #2-34





ROCK TYPES

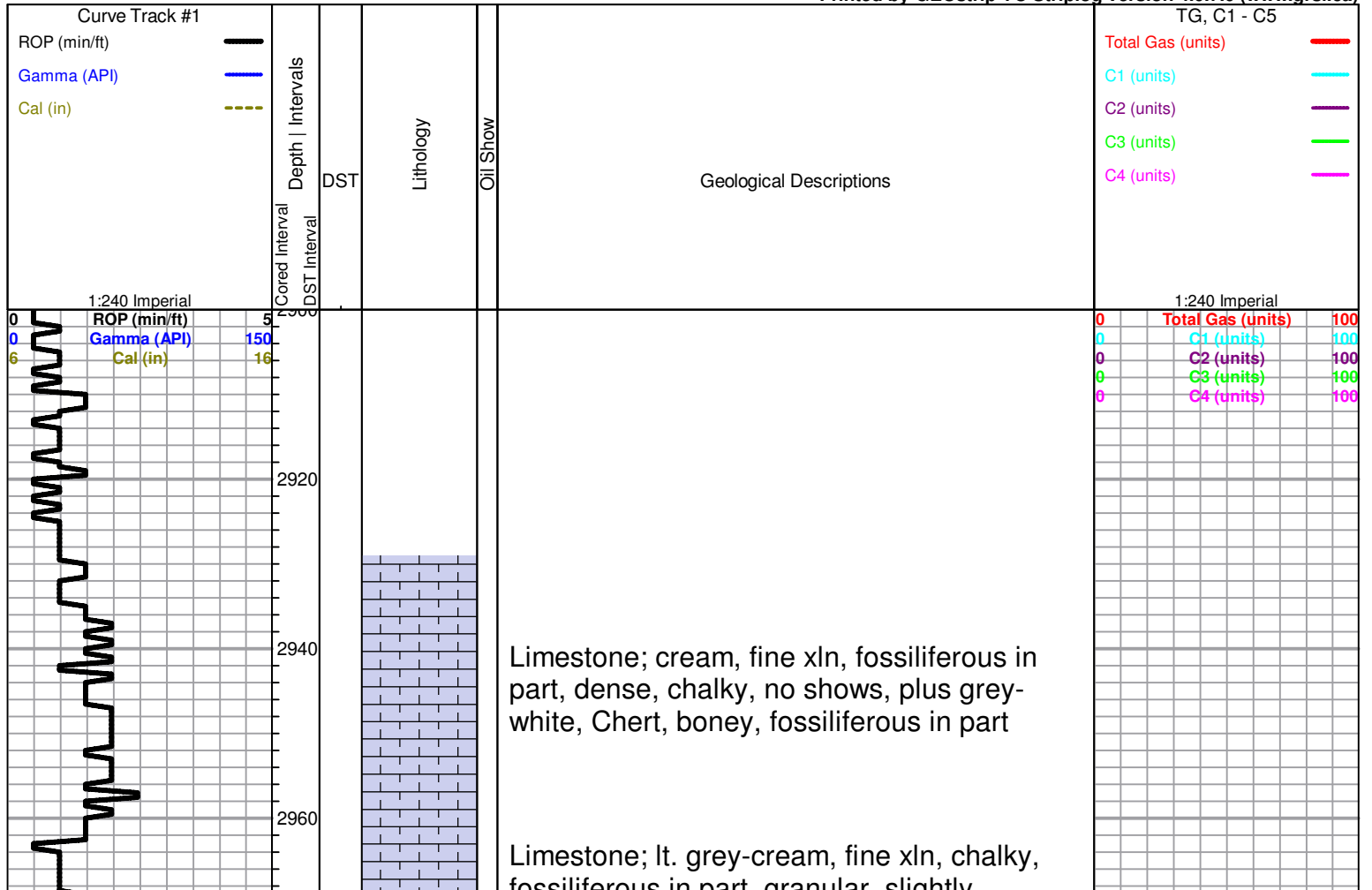
	Cht		sdylmst		shale, grn		Carbon Sh		Ss
	Dolsec		Lmst fw7>		shale, gry		shale, red		

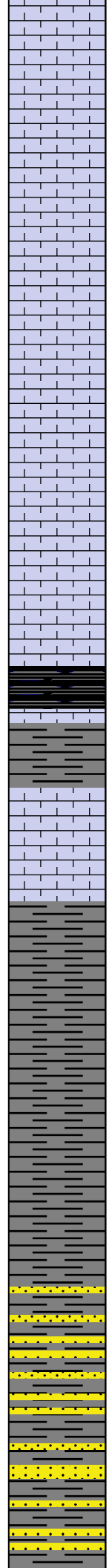
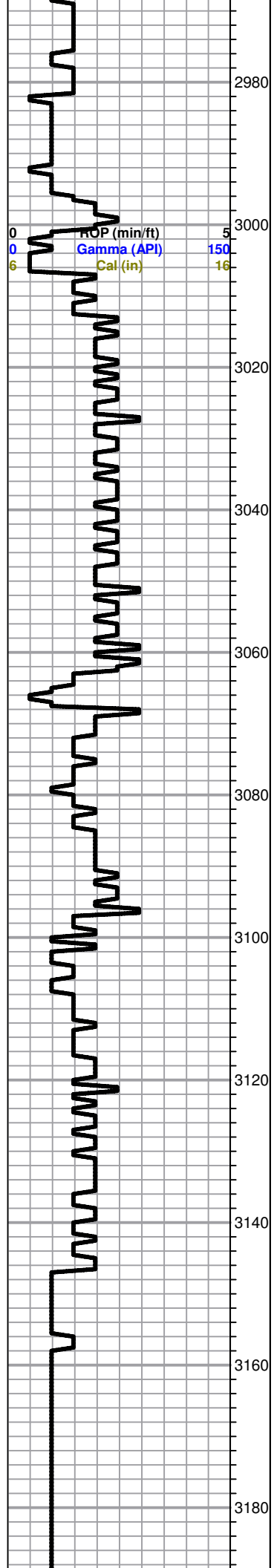
OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core
- tail pipe

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fossiliferous in part, granular, slightly dolomitic, scattered porosity, no shows

Limestone; as above

Limestone; cream-lt. grey, fossiliferous, poorly developed porosity, no shows

Limestone; tan-buff-cream, fine xln, dense, fossiliferous, chalky in part, no visible porosity, cherty, no shows

Limestone; as above plus Chert; grey

HEEBNER 3062 (-1262)
Black Carboniferous Shale

grey-green Shale

TORONTO 3081 (-1281)
Limestone; cream-lt. grey, fine xln, chalky, dense, few sparry calcite, no shows

DOUGLAS 3096 (-1296)
Shale; greyish green-grey-maroon, slightly in part, few micaceous pieces

Shale as above

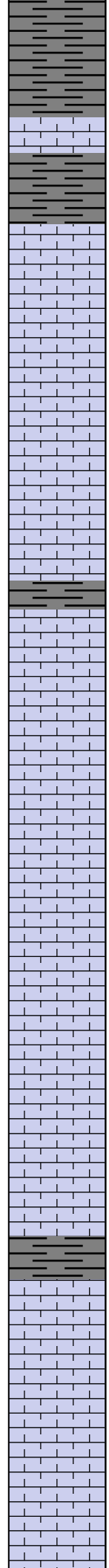
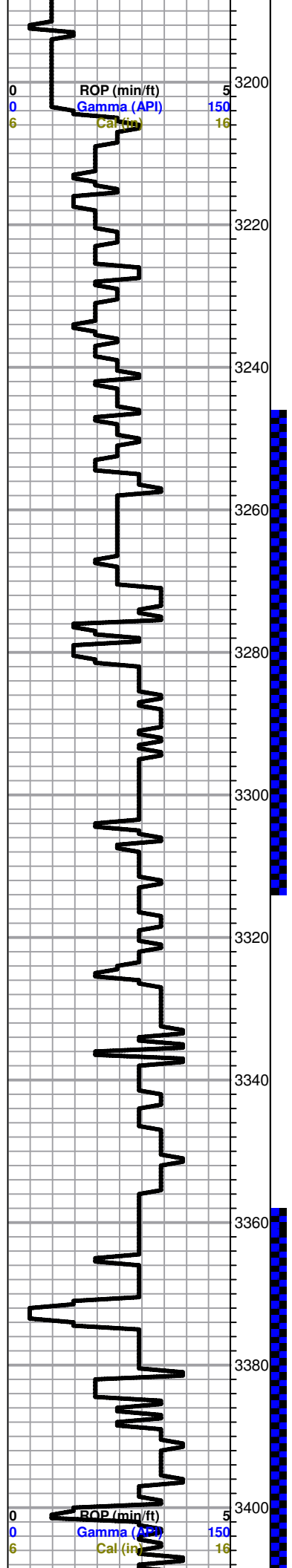
Sand; greyish green, very fine grained, silty, micaceous, poorly developed inter granular porosity, no shows

Sand and Shale as above

Shale; grey-greyish green-dark grey, soft,

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

K.B.
1800



silty

BROWN LIME 3204 (-1404)

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

LANSING 3220 (-1420)

Limestone; cream-tan, highly fossiliferous, oolitic, chalky, poor visible porosity, slightly cherty, no shows

Limestone; cream-lt. grey, chalky, trace spotty brown stain, NSFO

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

grey shale

Limestone; tan, cream, highly oolitic, chalky, few scattered inter xln-fossil cast porosity, brown spotty stain, trace free oil, faint odor

Limestone; cream-grey, fine xln, chalky, dense, fossiliferous in part

Limestone; cream, fossiliferous/oolitic, very chalky, poorly developed porosity, trace brown spotty stain, trace free oil, very faint odor

Limestone; cream-buff, fine xln, few scattered porosity, no shows

Limestone; buff-grey-tan, fine xln, dense, fossiliferous-oolitic in part, poor visible porosity, plus grey-translucent Chert

grey-green-black shale

Limestone; grey-cream, sub oomoldic, chalky, fair oomoldic porosity, trace brown-grey stain, NSFO, questionable gas bubble

Limestone; cream-grey, fine xln, dense, chalky in part, no shows, few oolitic-fossiliferous pieces

Limestone; white-cream, highly oolitic, chalky, trace oomoldic porosity (barren)

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

DST #1 3245-3315
30-30-45-60

Blow; built to 10"
Final; built to 4"

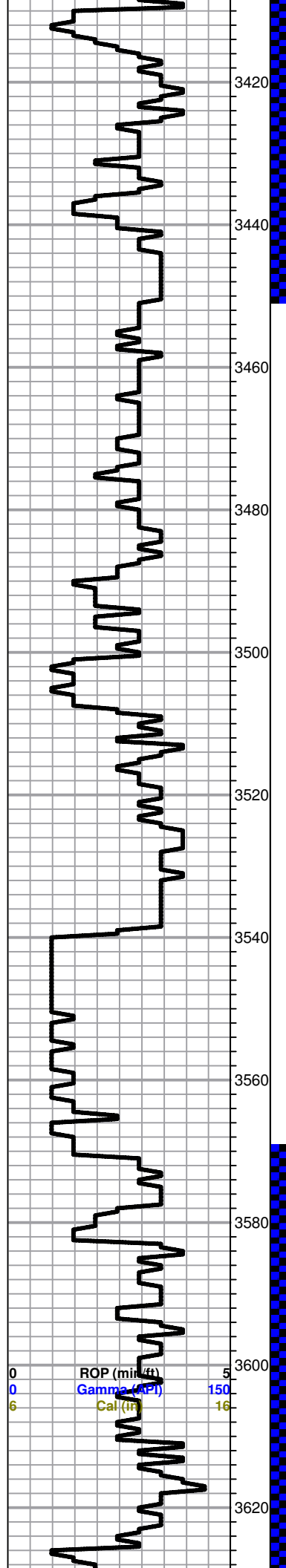
Recovery;
100' GIP
20' mud

Pressure;
ISIP 84
FSIP 94
IFP 14-17
FFP 16-21
HSH 1586-1578

DST #2 3358-3450
30-45-45-60

Blow; BOB in 5 min
no blow back
Final; BOB in 7 min
1/2" blow back

Recovery;
45' SOCM



Limestone; grey-cream-white, fine xln, chalky, dense, few scattered porosity, no shows

dark grey-black shale

Limestone; cream-white; fossiliferous-oolitic, few nodules, fair oolitic porosity, chalky, brown-dark brown stain, SFO, very faint odor

Limestone; cream, buff, fine xln, chalky in part, dense, poor visible porosity, no shows

Limestone; as above

grey shale

BASE KANSAS CITY 3488 (-1688)

Shale; grey-green, silty in part

Limestone; cream-white, fine xln, chalky, shaley in part, plus white Chalk

Shale; grey-green-maroon, plus Limestone; white-grey, chalky, highly oolitic, black stain, NSFO, very faint odor

Limestone; as above plus Chert; amber-cream, boney

Greyish green shaley Limestone, plus Sand, very fine grained, micaceous in part

VIOLA 3540 (-1740)

Chert; buff-cream, semi tripolitic, weathered, trace brown stain, trace spotty free oil, faint-fair odor

Chert; as above plus white-cream, boney/fresh

SIMPSON SHALE 3571 (-1771)

Shale; grey-green, waxey in part, slightly silty

Sand; clear-grey, sub angular, sub rounded, friable, fair inter granular porosity, black "dead" stain, slight SFO, faint odor

Shale; dark grey-green, silty in part

Sand; grey-greyish green, calcareous in part, shaley,

Shale; dark grey-green-maroon

ARBUCKLE 3625 (-1825)

Dolomite; cream to lt. grey, fine xln, slightly

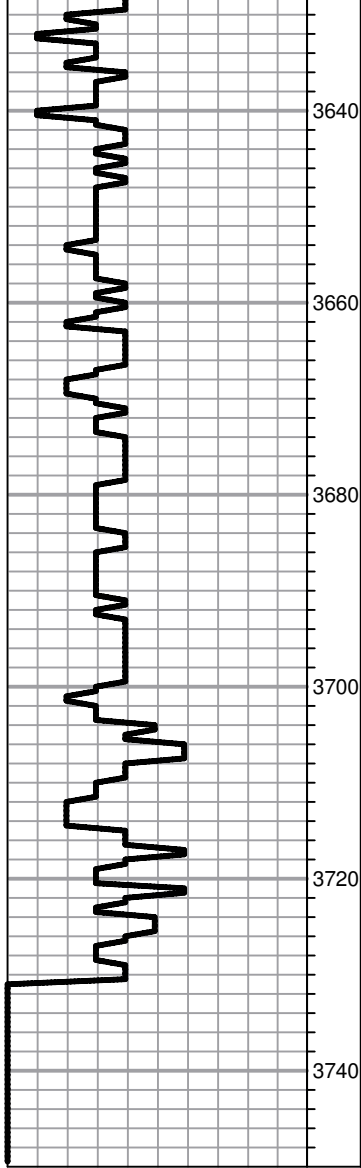
45' SOCIM
(5%oil, 95%mud)
120' GWCMO
(20%g, 10%wtr, 25%o,
45%oil)

Pressures;
ISIP 807
FSIP 669
IFP 18-62
FFP 60-86
HSH 1618-1611

DST #3 3569-3628
45-45-45-45

Blow; BOB in 1 min
GTS in 30 min TSTM
BOB blow back
BOB in 3 min
BOB blow back

Recovery;
2780' Clean Gassy Oil
300' GsWc hMcO
(14%g 61%o, 3%wtr.



3640
3660
3680
3700
3720
3740

● Dolomite; cream-tan-lt. grey, fine xln, slightly
○ sucrosic, few scattered porosity, black-brown
○ stain, SFO, few SAT pieces, good odor

○ Dolomite; buff, grey, fine xln, dense, slightly
○ sucrosic, scattered porosity, trace black stain,
○ NSFO, faint odor

○ Dolomite; as above scattered vuggy-inter xln
porosity, plus boney oolitic Chert

Dolomite; cream-grey, fine-medium xln,
dense, few scattered inter xln porosity, no
shows, very faint odor, trace Chert; white-lt.
grey, boney

Dolomite; cream, lt. grey, fine xln, poor inter
xln porosity, no shows

Chert as above

Dolomite; cream-tan, fine-medium xln, few
scattered porosity, dense, slightly cherty, no
shows

ROTARY TOTAL DEPTH

(17.1% sucrosic, 5% SFO, 22% m)

Pressures;
ISIP 1239
FSIP 1239
IFP 349-796
FFP 814-1084
HSH 1754-1749