



KANSAS CORPORATION COMMISSION 1111976
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 # _____

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

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: _____



1111976

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) _____

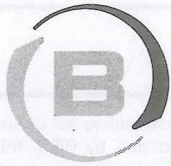
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	PETERS 1-8
Doc ID	1111976

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
SURFACE	12.25	8.625	24	427	A-CON BLEND	175	3%CC, 1/4# CF
SURFACE	12.25	8.625	24	427	COMMON	175	2%CC, 1/4#CF
PRODUC TION	7.875	5.5	14	3409	60/40 POZMIX	60	
PRODUC TION	7.875	5.5	14	3409	COMMON	150	Defoamer, Salt



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 07034 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>11-12-12</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.D. Drilling INC</u>		LEASE <u>Peters #1-8</u> WELL NO.:							
ADDRESS		COUNTY <u>Barton 8-20-11</u> STATE <u>Ks</u>							
CITY STATE		SERVICE CREW <u>Allen, Joe, Scott</u>							
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S. CW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P.4.</u>	<u>1</u>					<u>11-12-12</u>	<u>12:00</u>	<u>PM</u>	
<u>33708-20920</u>	<u>1</u>					ARRIVED AT JOB	<u>11-12-12</u>	<u>AM</u>	<u>4:00</u>
<u>19831-19862</u>	<u>1</u>					START OPERATION	<u>11-12-12</u>	<u>AM</u>	<u>9:00</u>
						FINISH OPERATION	<u>11-12-12</u>	<u>AM</u>	<u>1:00</u>
						RELEASED	<u>11-12-12</u>	<u>AM</u>	<u>11:00</u>
						MILES FROM STATION TO WELL <u>60 miles</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
CP100C	Common Cement	SK	150		\$ 2400 00
CP103	60/40 Poz	SK	60		\$ 720 00
CC103	C-41P Deformer	lb	36		\$ 144 00
CC111	SALT	lb	1216		\$ 608 00
CC113	Gypsum	lb	705		\$ 528 75
CC201	Gilsonite	lb	750		\$ 502 50
CF103	Top Rubber cement Plug 5 1/2"	EA	1		\$ 105 00
CF251	Guide shoe Req. 5 1/2" Blue	EA	1		\$ 250 00
CF1451	Flapper Type Insert Float 5 1/2" Blue	EA	1		\$ 215 00
CF1651	Turbolizer 5 1/2" Blue	EA	6		\$ 660 00
E100	unit mileage chg. Pickup.	mi	60		\$ 255 00
E101	Heavy Equip mileage -	mi	120		\$ 840 00
E113	Bulk Delivery Chg. 3001-4000	4M	579		\$ 926 40
GE204	Depth Chg. 3001-4000	4-hr	1		\$ 2160 00
CE240	Blending + mix Service chg.	SK	210		\$ 294 00
CE504	Plus Container Utilization chg.	Job	1		\$ 250 00
5003	Service Supervisor first 8hrs on loc	EA	1		\$ 75 00
CC112	Cement Friction Reducer	lb/06			\$ 636 00
CE 503	Denek charge	Eq	1		300 00

SUB TOTAL \$ 8977.24

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen F. Wendt THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jim McIlle
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>L.O. Drilling Inc.</i>	Lease No.	Date <i>11-12-12</i>			
Lease <i>Peters</i>	Well # <i>#1-8</i>				
Field Order # <i>07033A</i>	Station <i>Pratt Ks</i>	Casing <i>5 1/2"</i>	Depth <i>3400'</i>	County <i>Barton</i>	State <i>Ks</i>
Type Job <i>5 1/2" Long String</i>	Formation <i>enw</i>	TA <i>3410'</i>	Legal Description <i>8-20-11</i>		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <i>5 1/2"</i>	Tubing Size	Shots/Ft		Acid <i>30 SKs 60/40 Poz. SCAVENGER</i>	RATE	PRESS	#SIP
Depth <i>3400'</i>	Depth	From	To	Pre Pad <i>150 SKs Com.</i>	Max <i>15.5 #</i>		5 Min.
Volume <i>82.6 BBL</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>1000 #</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>5385</i>	Packer Depth	From	To	Flush <i>Disp H₂O</i>	Gas Volume		Total Load

Customer Representative <i>Jim TP</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 33708 20920 19831 19862</i>		
Driver Names <i>Allen Joe Melson Scott Callaway</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>4:00 pm</i>					<i>ON loc. Discuss Safety, Setup, Plan to Rig Laying down Drill Pipe out of Hole lay down Kelly Rig up to Run 5 1/2" Csg. 14 #</i>
<i>5:30</i>					<i>Start 5 1/2" csg. Shoe Jt 14 w/ Reg guide Shoe, insert float in collar cent 2-3-4-6-8-10</i>
<i>7:05</i>					<i>Tag Bottom 3410 Pickup + CIR @ 3409</i>
<i>8:15</i>	<i>200 #</i>		<i>7</i>	<i>5</i>	<i>mix + Pump 30 SKs 60/40 SCAVENGER</i>
	<i>S</i>		<i>34</i>	<i>5</i>	<i>mix + Pump 150 SKs Com. @ 15.5 #</i>
				<i>6</i>	<i>Finish mix washout Pump + Line</i>
	<i>500 #</i>			<i>5</i>	<i>Drop Top Rubber Plug. St. Disp caught Lift PSI 55 BBLs</i>
<i>9:45</i>	<i>1000 #</i>		<i>8 2 1/2</i>	<i>2</i>	<i>Plug down (Last 10 BBLs 2 BBLs Plug R W/ 30 SKs 60/40 Wash up Pump TRK + RACK up.</i>
<i>1:00</i>			<i>7</i>		<i>Job complete</i>

Thank Allen, Joe Scott



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 07319 A

DATE _____ TICKET NO. _____

DATE OF JOB: 11-7-12 DISTRICT: Pratt		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: L.D. Drilling		LEASE: Peters		WELL NO: 1-8					
ADDRESS:		COUNTY: Butler		STATE: KS					
CITY:		SERVICE CREW: Orlando, McGraw, Lawton							
AUTHORIZED BY:		JOB TYPE: CNW - 8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27285	1/2						11-7-12	AM	1:00
27463	1/2							AM	2:30
19226-19260	1/2							AM	4:00
								AM	11:30
								AM	5:30
						MILES FROM STATION TO WELL	60		

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
CP101	A-Con Blend	SK	175		3150.00
CP102	Common Cement	SK	175		2800.00
CP102	Collonite	LB	88		325.60
CP109	Calcium Chloride	LB	825		866.25
CP153	Wooden Cement Plug 8 5/8"	ea	1		110.00
E100	Pickup Mileage	Mi	60		255.00
E101	Heavy Equipment Mileage	Mi	120		840.00
E113	Bulk Delivery	Tm	990		1584.00
CE200	Depth Charge 0-500'	ea	1		1000.00
CE240	Blending & mixing Charge	SK	350		490.00
CE504	Plug Container	ea	1		250.00
5003	Service Supervisor	ea	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		8921.89
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Steve Orlando
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Brandon Webb
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer L.D. Drilling	Lease No.	Date 11-7-10	
Lease Polys	Well # 1-8		
Field Order # 7319	Station Pinks	Casing 8 7/8	Depth 177
Type Job CNW-8 7/8 Surface		Formation	Legal Description 8-20-11
		County Barlow	State MS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
7 1/2		175		Acid Blend	210		5 Min.	
Depth 177	Depth	From	To	Pre Pad	Max		10 Min.	
Volume 710	Volume	From	To	Pad	Min		15 Min.	
Max Press 200	Max Press	From	To	Frac	Avg	1.00	Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth 178	Packer Depth	From	To	Flush	Gas Volume			

Customer Representative J.M.	Station Manager Drew Scott	Treater Steve G. G. G.
---------------------------------	-------------------------------	---------------------------

Service Units	07775	07465	19806/19860						
Driver Names	D. G. G. G.	L. G. G. G.							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00 AM					On location - Safety meeting
					Run 10 31.8 7/8 casing
					Casing on bottom
					Break Circ w/ RIS
3:54	200		66	4	Mix 175 gal Acid Blend @ 176"
4:10	200		37.4	11	Mix 175 gal Cement @ 156"
					Shot Down - Retainers plug
4:22	0		0	11	Start H2O Displacement
4:28	300		16	11	Cement 10 Surface
4:30 AM	300		26.3	11	Plug Down
					Tub Complete
					7 1/2" string
					Circulation Test Job
					Produced 10 bbl Top 1



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: _____	

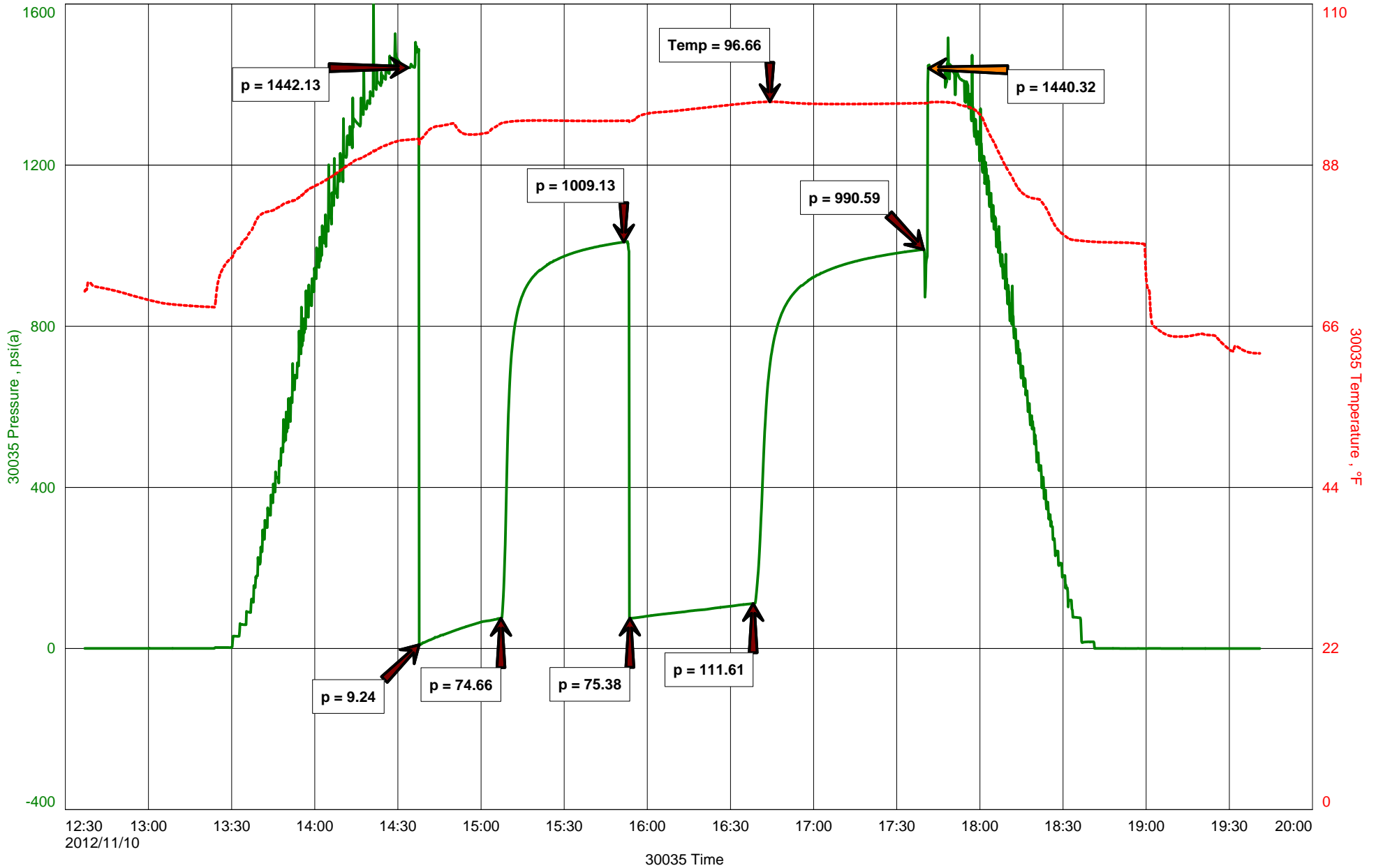
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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 #1 Lansing A-F 3044-3131'
Start Test Date: 2012/11/10
Final Test Date: 2012/11/10

Peters #1-8
Formation: DST #1 Lansing A-F 3044-3131'
Pool: Wildcat
Job Number: S0239

Peters #1-8



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc.

Contact	LD Davis	Job Number	S0239
Well Name	Peters #1-8	Representative	Jacob McCallie
Unique Well ID	DST #1 Lansing A-F 3044-3131'	Well Operator	LD Drilling Inc.
Surface Location	SEC 8-20S-11W Barton County	Report Date	2012/11/10
Well License Number		Prepared By	Jacob McCallie
Field	Chase-Silica		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Lansing A-F 3044-3131'		
Well Fluid Type	06 Water	Start Test Time	12:37:00
		Final Test Time	07:42:00
Start Test Date	2012/11/10		
Final Test Date	2012/11/10		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

118'	HWCM	20% W 80% M
120'	SOSMW	1% O 88% W 11% M
238'	TOTAL FLUID	

PH: 7

RW: .18 @ 60 degrees F

Chlorides: 38,000 ppm

TOOL SAMPLE:

4% O 64% W 32% M



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: _____	

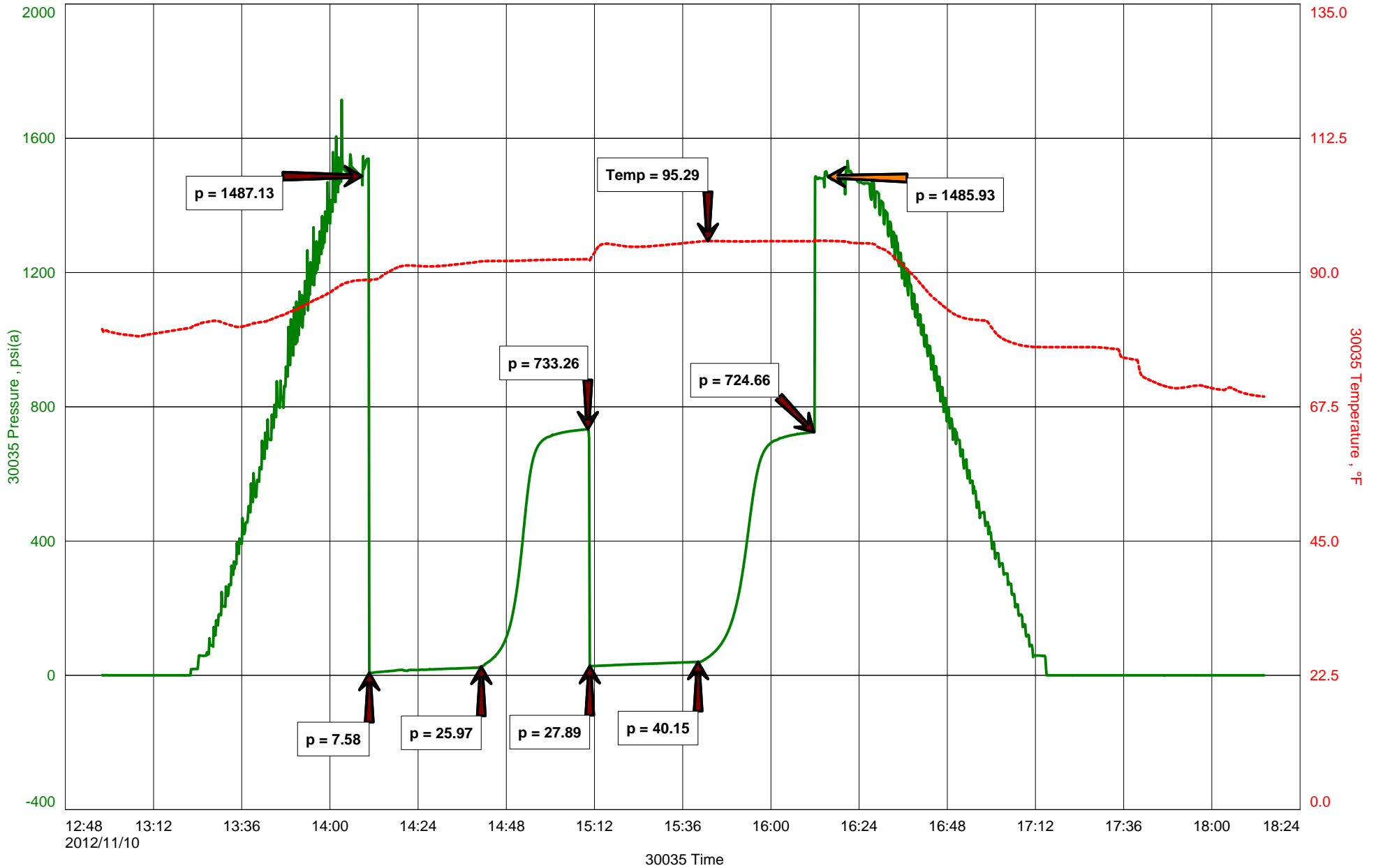
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period.....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

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LD Drilling Inc
DST #2 Lansing G 3140-3155'
Start Test Date: 2012/11/10
Final Test Date: 2012/11/10

Peters #1-8
Formation: DST #2 Lansing G 3140-3155'
Pool: Wildcat
Job Number: S0240

Peters #1-8



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0240
Well Name	Peters #1-8	Representative	Jacob McCallie
Unique Well ID	DST #2 Lansing G 3140-3155'	Well Operator	LD Drilling Inc
Surface Location	SEC 8-20S-11W Barton County	Report Date	2012/11/10
Well License Number		Prepared By	Jacob McCallie
Field	Chase-Silica		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 Lansing G 3140-3155'		
Well Fluid Type	01 Oil	Start Test Time	12:58:00
		Final Test Time	18:15:00
Start Test Date	2012/11/10		
Final Test Date	2012/11/10		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

12'	OSWM	3% O 23% W 74% M
56'	MW	71% W 29% M
68'	TOTAL FLUID	

PH: 7

RW: .15 @ 75 degrees F

Chlorides: 39,000 ppm

TOOL SAMPLE:

3% O 80% W 17% M



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

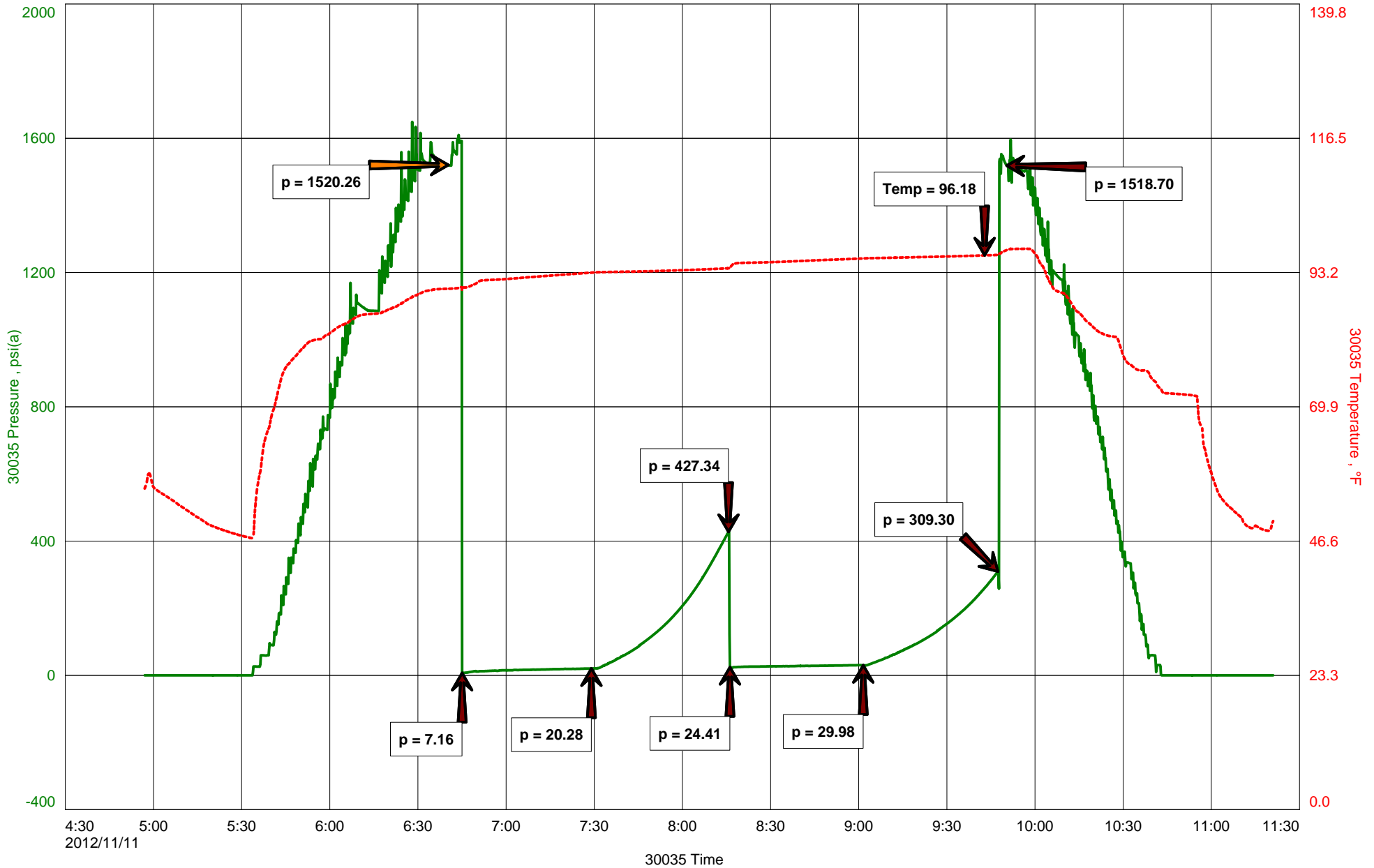
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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 #3 Lansing I-J 3215-3250'
Start Test Date: 2012/11/11
Final Test Date: 2012/11/11

Peters #1-8
Formation: DST #3 Lansing I-J 3215-3250'
Pool: Wildcat
Job Number: S0241

Peters #1-8



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc.

Contact	LD Davis	Job Number	S0241
Well Name	Peters #1-8	Representative	Jacob McCallie
Unique Well ID	DST #3 Lansing I-J 3215-3250'	Well Operator	LD Drilling Inc.
Surface Location	SEC 8-20S-11W Barton County	Report Date	2012/11/11
Well License Number		Prepared By	Jacob McCallie
Field	Chase-Silica		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Lansing I-J 3215-3250'		
Well Fluid Type	01 Oil	Start Test Time	04:57:00
		Final Test Time	11:22:00
Start Test Date	2012/11/11		
Final Test Date	2012/11/11		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

191'	GIP		
55'	GOCM	8% G	18% O 74% M

TOOL SAMPLE:

28% O 72% M



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

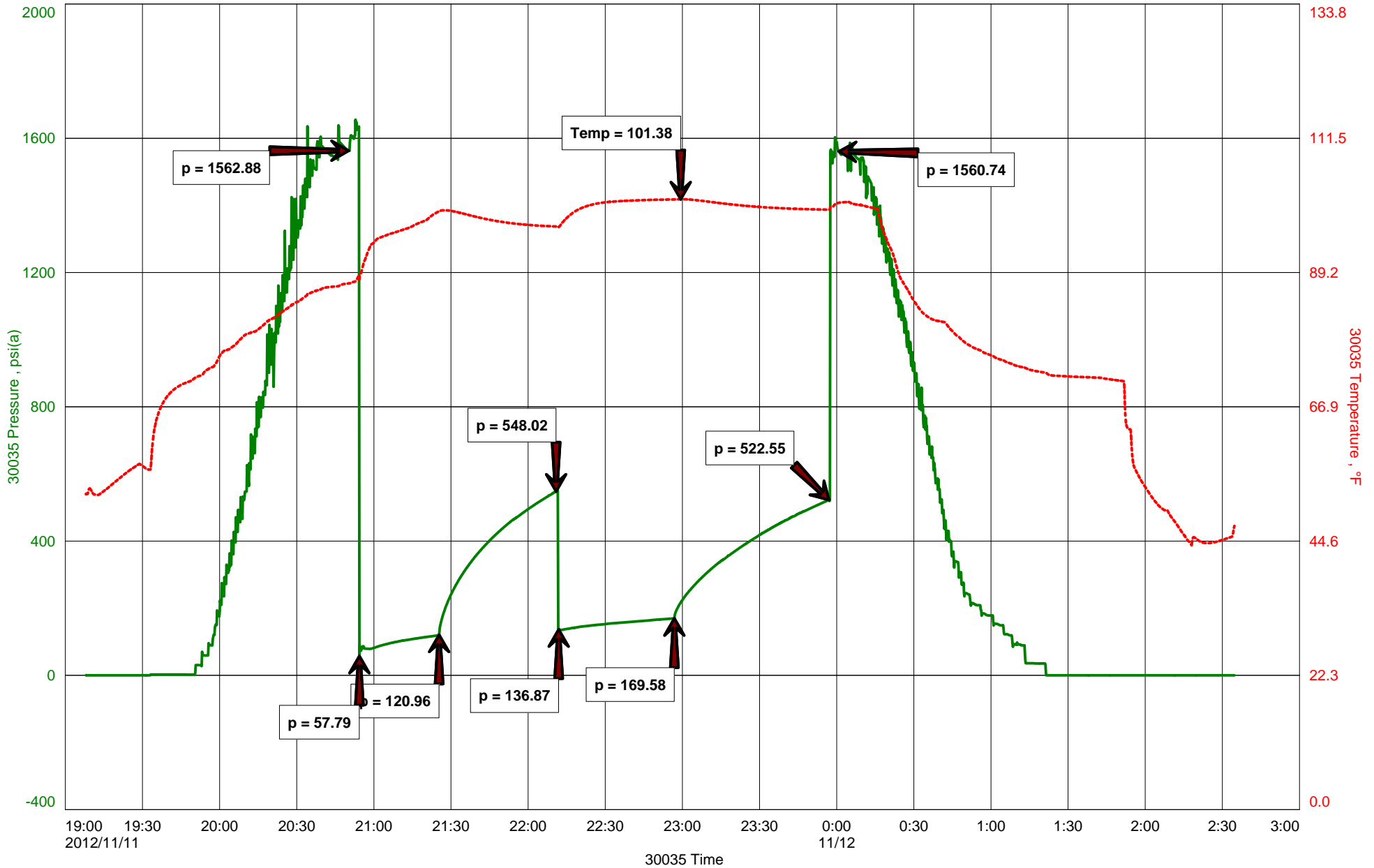
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... 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 #4 Arbuckle 3286-3312'
Start Test Date: 2012/11/11
Final Test Date: 2012/11/12

Peters #1-8
Formation: DST #4 Arbuckle 3286-3312'
Pool: Wildcat
Job Number: S0242

Peters #1-8



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0242
Well Name	Peters #1-8	Representative	Jacob McCallie
Unique Well ID	DST #4 Arbuckle 3286-3312'	Well Operator	LD Drilling Inc.
Surface Location	SEC 8-20S-11W Barton County	Report Date	2012/11/12
Well License Number		Prepared By	Jacob McCallie
Field	Chase-Silica		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #4 Arbuckle 3286-3312'		
Well Fluid Type	01 Oil	Start Test Time	19:08:00
		Final Test Time	02:35:00
Start Test Date	2012/11/11		
Final Test Date	2012/11/12		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

60'	GIP		
312'	CO	100% CO	GRAVITY: 41 @ 60 degrees F
133'	GHOCM	12% G 26% O 62% M	
445'	TOTAL FLUID		

TOOL SAMPLE:

60% O 40% M

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: Peters 1-8
 Location: 8 5/8" @ 427'
 Pool:
 State: Kansas

API: 15-009-25775-00-00
 Field: Chase-Silica
 Country: USA



Joshua R. Austin

Petroleum Geologist

report for

L.D. DRILLING, INC.



Scale 1:240 Imperial

Well Name: Peters 1-8
 Surface Location: 8 5/8" @ 427'
 Bottom Location:
 API: 15-009-25775-00-00
 License Number:
 Spud Date: 11/6/2012 Time: 3:34 PM
 Region: NE-SE-NW 8-20s-11w
 Drilling Completed: 11/12/2012 Time: 8:50 PM
 Surface Coordinates: 1650' From North Line & 2310' From West Line
 Bottom Hole Coordinates:
 Ground Elevation: 1776.00ft
 K.B. Elevation: 1781.00ft
 Logged Interval: 2800.00ft To: 3410.00ft
 Total Depth: 3410.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical Mud was displaced at 2600'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1650' From North Line
 E/W Co-ord: 2310' From West Line

LOGGED BY

Company:
 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 #:
 Rig Type:
 Spud Date: 11/6/2012 Time: 3:34 PM
 TD Date: 11/12/2012 Time: 8:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1781.00ft
 K.B. to Ground: 5.00ft

Ground Elevation: 1776.00ft

NOTES

On the basis of the positive drill stem test in the Arbuckle and after reviewing the electric logs, it was recommended by all parties involved that 5 1/2" production casing be set and cemented to further test the following zones;
 Arbuckle 3309-12
 Lansing 'J' 3232-34 (before plugging)

L.D. Drilling, Inc.

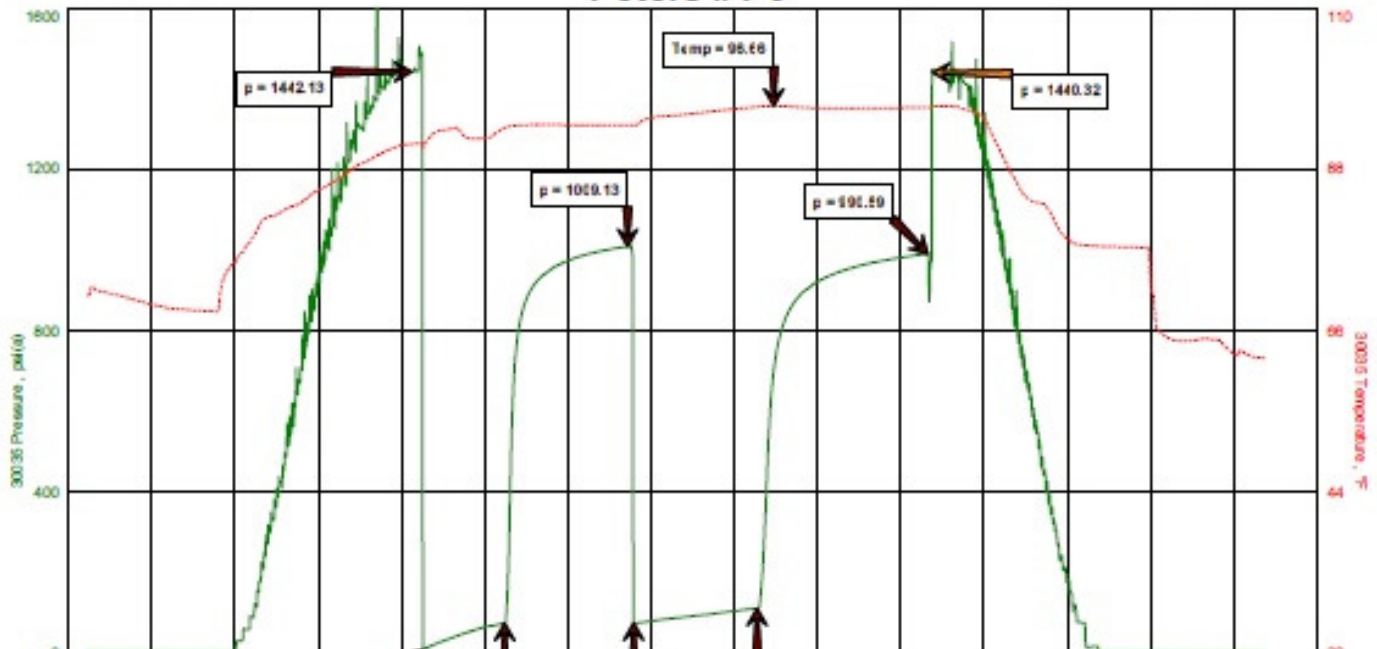
well comparison sheet

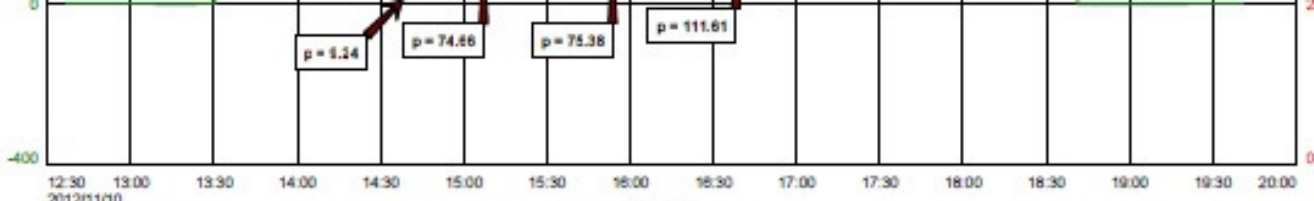
	DRILLING WELL				COMPARISON WELL			
	PETERS 1-8				PETERS 1			
	1781 KB				1781 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Heebner	2918	-1137	2918	-1137	2919	-1138	1	1
Toronto	2933	-1152	2934	-1153	2934	-1153	1	0
Douglas	2948	-1167	2948	-1167				
Brown Lime	3042	-1261	3040	-1259				
Lansing	3062	-1281	3062	-1281	3062	-1281	0	0
Arbuckle	3308	-1527	3308	-1527	3306	-1525	-2	-2
Total Depth	3410	-1629	3409	-1628	3309	-1528		

LD Drilling Inc.
 DST #1 Lansing A-F 3044-3131'
 Start Test Date: 2012/11/10
 Final Test Date: 2012/11/10

Peters #1-8
 Formation: DST #1 Lansing A-F 3044-3131'
 Pool: Wildcat
 Job Number: S0239

Peters #1-8





Recovered 118 ft. of HWCM 20% W 80% M

Recovered 120 ft. of SOSMW 1% O 88% W 11% M

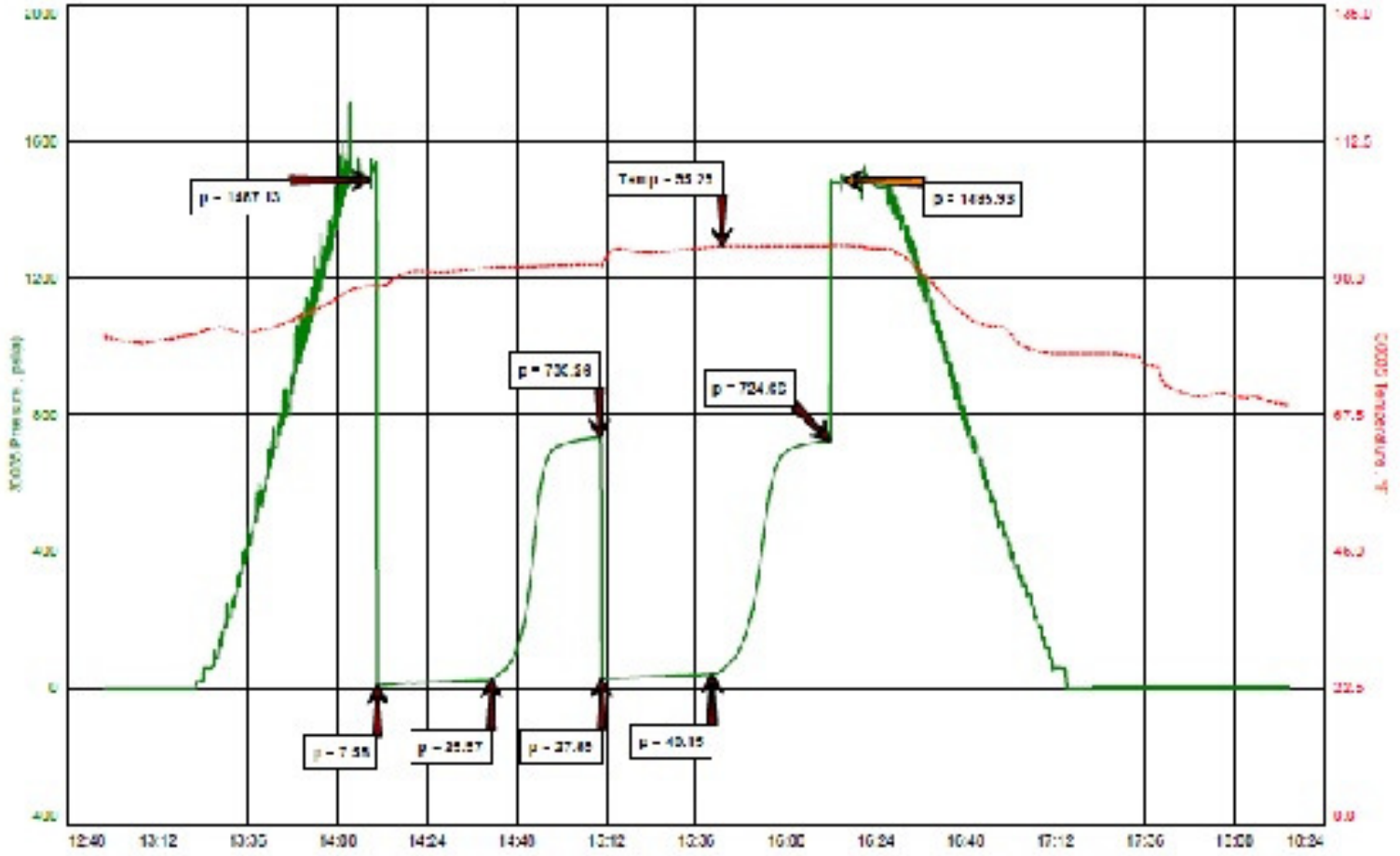
Recovered 230 ft. of TOTAL FLUID

Initial Hydrostatic Pressure.....	(A)	1442 P.S.I.
Initial Flow Period..... Minutes	30 (B)	9 P.S.I. to (C) <u>75</u> P.S.I.
Initial Closed In Period..... Minutes	45 (D)	1009 P.S.I.
Final Flow Period..... Minutes	45 (E)	75 P.S.I. to (F) <u>112</u> P.S.I.
Final Closed In Period..... Minutes	60 (G)	991 P.S.I.
Final Hydrostatic Pressure.....	(H)	1440 P.S.I.

LD Drilling Inc.
 (25) #7 Lansing (4) 31414-31107
 Start Test Date: 2012/11/10
 Final Test Date: 21/12/2011

Peters #1-8
 Location: (25) #7 Lansing (4) 31414-31107
 Pool: Wildcat
 Job Number: 51040

Peters #1-8



Recovered 12 ft. of OSWM 3% O 23% W 74% M

Recovered 56 ft. of MW 71% W 29% M

Recovered 68 ft. of TOTAL FLUID

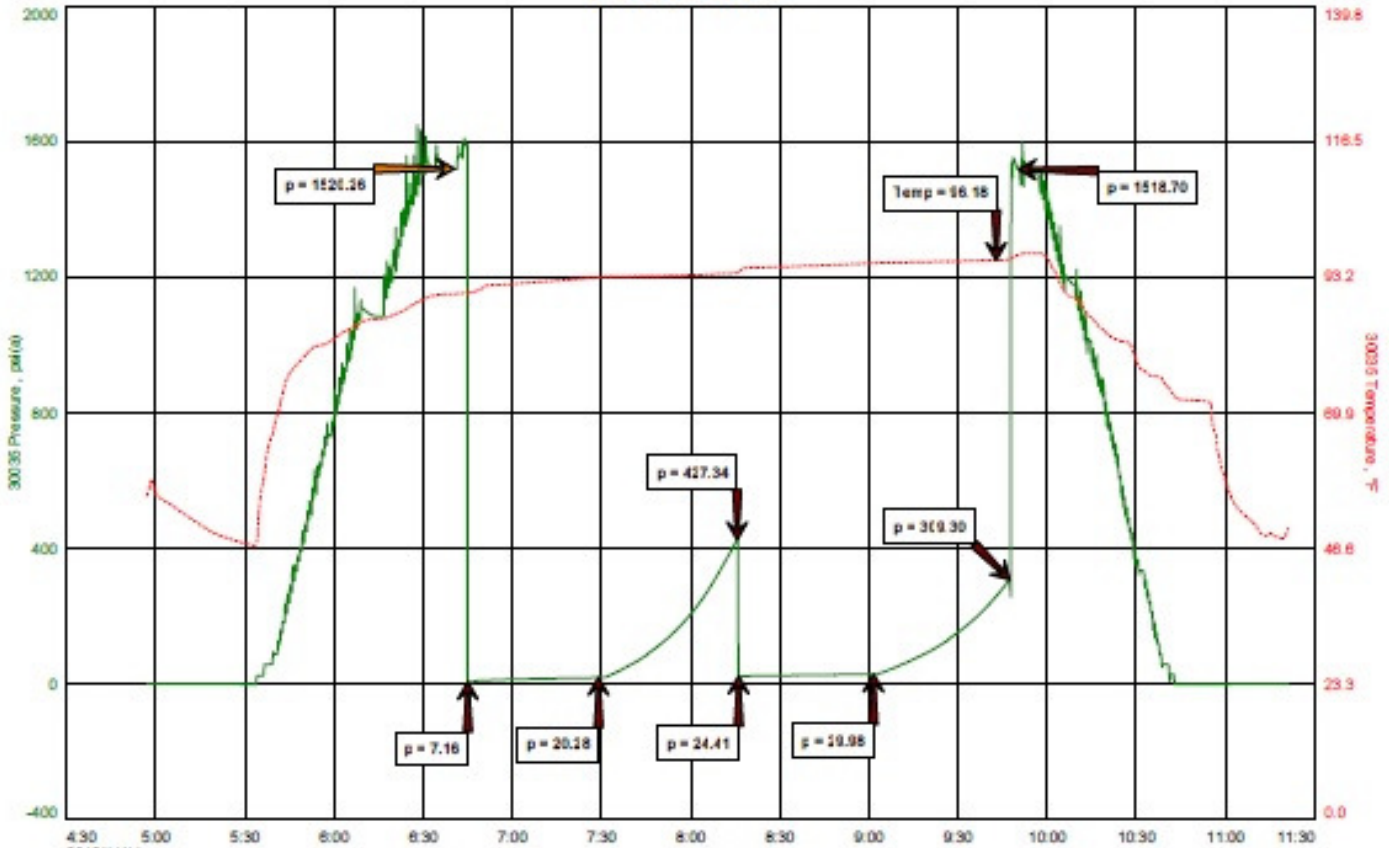
Initial Hydrostatic Pressure.....	(A)	1487 P.S.I.
Initial Flow Period..... Minutes	30 (B)	8 P.S.I. to (C) <u>26</u> P.S.I.

Initial Closed In Period Minutes 30 (D) 133 P.S.I.
 Final Flow Period Minutes 30 (E) 28 P.S.I. to (F) 40 P.S.I.
 Final Closed In Period Minutes 30 (G) 725 P.S.I.
 Final Hydrostatic Pressure (H) 1088 P.S.I.

LD Drilling Inc.
 DST #3 Lansing I-J 3215-3250'
 Start Test Date: 2012/11/11
 Final Test Date: 2012/11/11

Peters #1-8
 Formation: DST #3 Lansing I-J 3215-3250'
 Pool: Wildcat
 Job Number: S0241

Peters #1-8



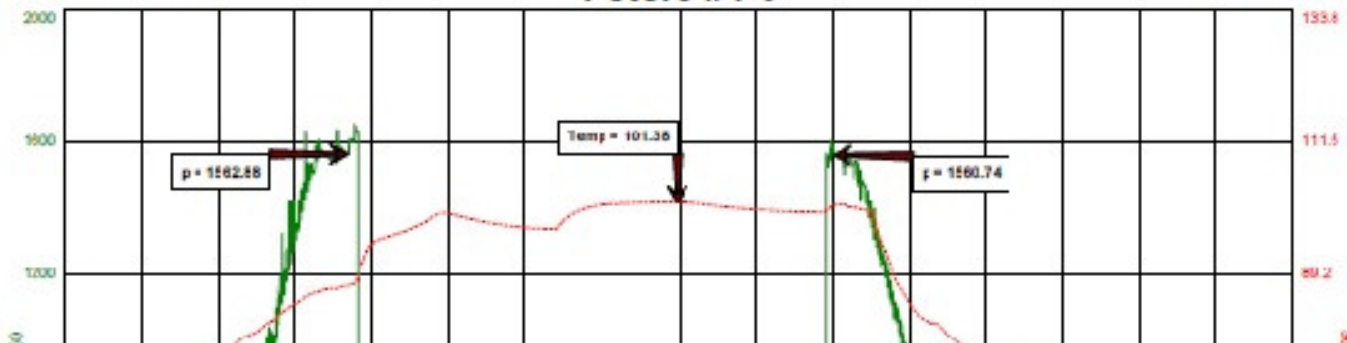
Recovered 191 ft. of CIP
 Recovered 55 ft. of COCM 8% C 18% O 74% M

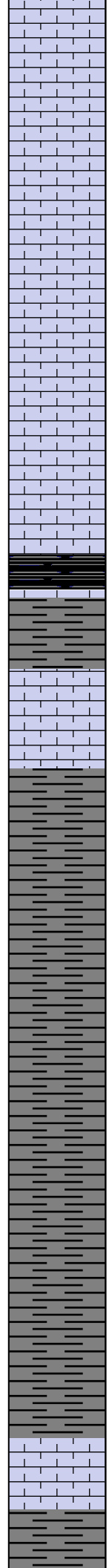
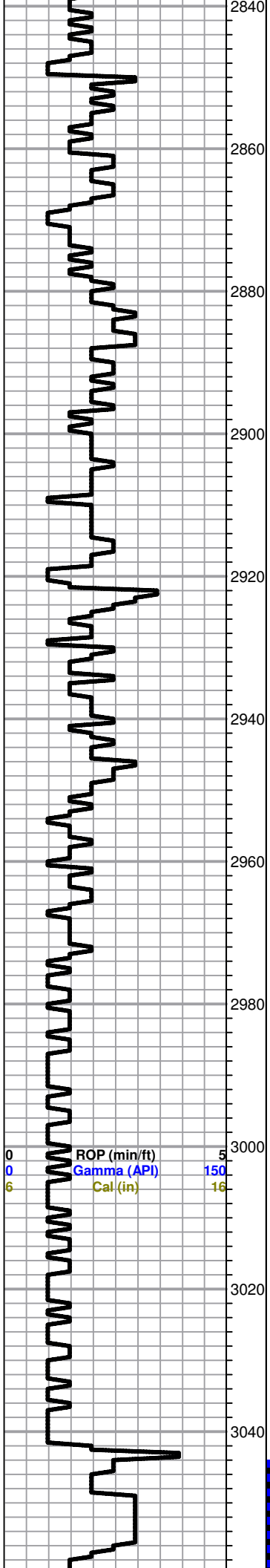
Initial Hydrostatic Pressure..... (A) 1520 P.S.I.
 Initial Flow Period Minutes 45 (B) 7 P.S.I. to (C) 20 P.S.I.
 Initial Closed In Period Minutes 45 (D) 427 P.S.I.
 Final Flow Period Minutes 45 (E) 24 P.S.I. to (F) 30 P.S.I.
 Final Closed In Period Minutes 45 (G) 309 P.S.I.
 Final Hydrostatic Pressure..... (H) 1519 P.S.I.

LD Drilling Inc.
 DST #4 Arbuckle 3286-3312'
 Start Test Date: 2012/11/11
 Final Test Date: 2012/11/12

Peters #1-8
 Formation: DST #4 Arbuckle 3286-3312'
 Pool: Wildcat
 Job Number: S0242

Peters #1-8





porosity, no shows, plus grey, boney Chert

Limestone and Chert as above

Limestone; cream, fine-medium xln, granular, few fossiliferous pieces, fair inter xln porosity, trace dolomitic Limestone; no shows

Limestone; tan-cream, fine xln, fossiliferous in part, dense, cherty, poor porosity, plus grey chert

HEEBNER 2918 (-1137)
 black carboniferous shale

TORONTO 2933 (-1152)
 Limestone; cream-white, chalky, fine xln, few pin point type porosity, no shows

DOUGLAS 2948 (-1167)
 Shale; grey,green, maroon, soft

Shale; grey-greyish green, silty in part, few micaceous pieces

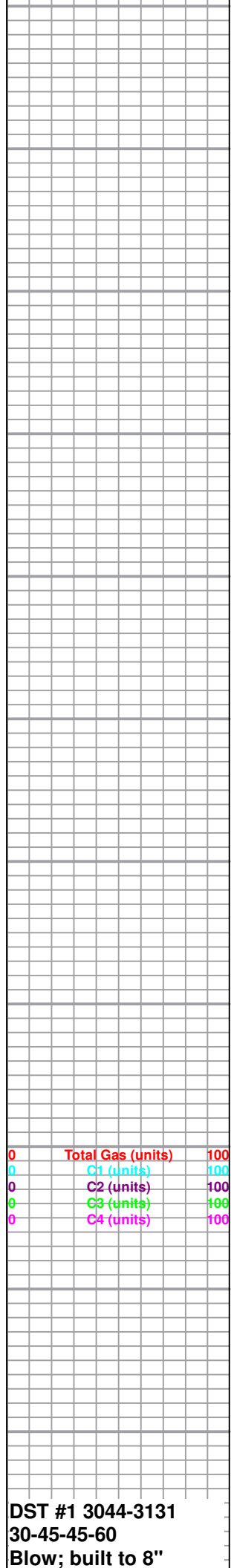
Shale as above

Shale; grey-dark grey, soft, micaceous in part

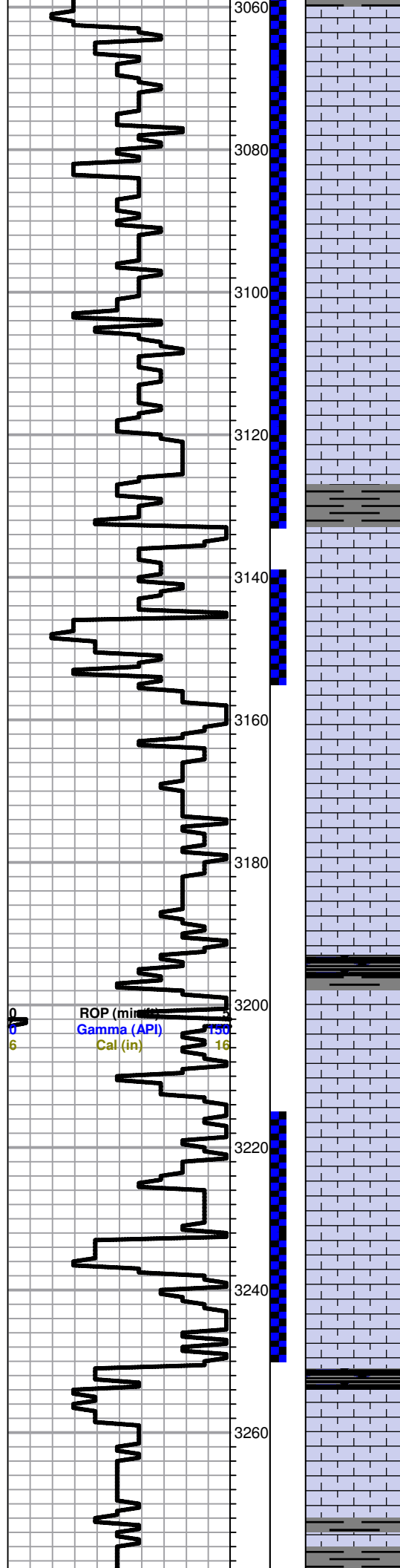
as above

BROWN LIME 3042 (-1261)
 Limestone; tan-brown, fine xln, dense in part, slightly fossiliferous, cherty

grey shale



DST #1 3044-3131
 30-45-45-60
 Blow; built to 8"



grey shale

LANSING 3062 (-1281)

Limestone; cream-grey, fine xln, chalky

Limestone; cream-buff, fine xln, chalky, few scattered inter xln porosity, brown stain, questionable trace free oil, very faint odor

Limestone; cream, fine xln, chalky, fair-good inter xln-vuggy porosity, brown stain, SFO, faint- fair gassy odor

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

grey shale

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

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

Limestone-cream-lt. grey, fine xln, oolitic in part, few scattered oomoldic-inter xln type porosity, questionable trace brown stain, NSFO, no odor

Limstone; cream-lt. grey, fine xln, slightly oolitic-fossiliferous, dense, no shows

black carboniferous shale

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

Limestone; cream-lt. grey, oolitic in part, chalky, few scattered porosity, black stain, NSFO, no odor

Limestone; cream-buff, fine-medium xln, sub oomoldic, fair inter xln porosity, brown-dark brown stain, SFO, faint-fair odor

black-grey shale

Limestone; cream-lt. grey-buff, fine xln, dense, slightly oolitic-fossiliferous, few sparry calcite, cherty in part, no shows

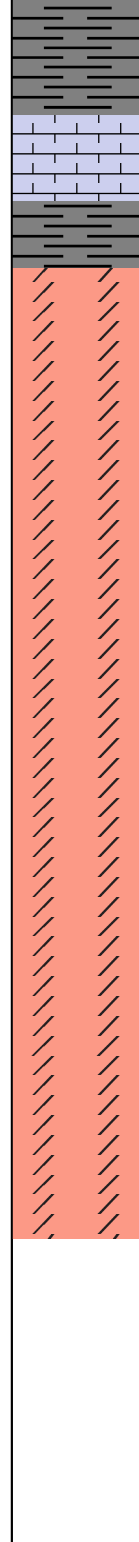
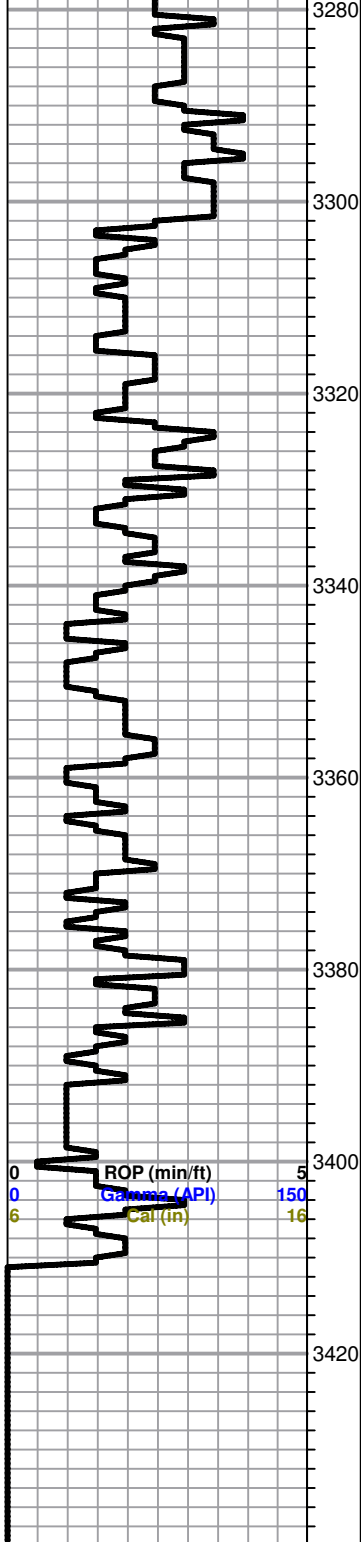
Limestone; buff-tan. micro-fine xln. dense.

Final; built to 10"
no blow back
Recovery;
118' HWCM
(20%water, 80%mud)
120' SOSMW
(1%oil, 88%water, 11% mud)
Pressures;
ISIP 1009
FSIP 991
IFP 9-75
FFP 75-112
HSH 1442-1440

DST #2 3140-3155
30-30-30-30
Blow; built to 2"
Recovery;
12' OSWM
(3%oil, 23%water, 74% mud)
56" MW
(71%water, 29%mud)
Pressures
ISIP 733
FSIP 725
IFP 8-26
FFP 28-40
HSH 1487-1486

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

DST #3 3215-3250
45-45-45-45
Blow; built to 11"
Final; built to 10"
no blow back
Recovery;
191' GIP
55' GOCM
(8%gas, 18%oil, 74% mud)
Pressures
ISIP 427
FSIP 309
IFP 7-20
FFP 24-30
HSH 1520-1519



cherty, poor visible porosity, plus Shale; variety color

Shale; grey-maroon-green, soft, few micaceous
ARBUCKLE 3308 (-1527)

Dolomite; tan-cream, fine xln, slightly sucrosic, fair inter xln porosity, brown-golden brown stain, SFO, fair odor

Dolomite; tan-cream, fine-medium xln, sucrosic in part, fair inter xln-vuggy type porosity, brown-dark brown stain, SFO, faint-fair odor

Dolomite; as above few oomoldic type porosity, black stain, NSFO, plus grey-white Chert

Dolomite; grey-tan, fine-medium xln, fair porosity, trace black stain, NSFO faint odor, Chert as above

Dolomite; grey-tan-cream, fine xln, sucrosic in part, dense, few scattered inter xln porosity, no shows

Dolomite as above plus grey-lt. grey boney Chert

ROTARY TOTAL DEPTH 3410 (-1629)

DST #4 3286-3312
 30-45-45-60
 Blow; BOB in 3 min
 Final; BOB in 13 min
 no blow back
 Recovery;
 60' GIP
 312' clean oil
 133' GHOCM
 (12%gas, 26%oil, 62% mud)
 Pressures
 ISIP 548
 FSIP 523
 IFP 58-121
 FFP 137-170
 HSH 1563-1561

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