



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: _____



1083094

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 Bbbs.	Gas Mcf	Water Bbbs.	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	BROWN 2
Doc ID	1083094

Tops

Name	Top	Datum
ANHYDRITE	674	+1187
HEEBNER	3084	-1223
TORONTO	3100	-1239
DOUGLAS	3116	-1255
BROWN LIME	3204	-1343
LANSING	3219	-1358
BASE KANSAS CITY	3430	-1569
CONGLOMERATE	3442	-1581
ARBUCKLE	3480	-1619

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	BROWN 2
Doc ID	1083094

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	366	A-CON BLEND	175	2%CC,1/4 #CF
SURFACE	12.25	8.65	24	366	COMMON	175	
PRODUC TION	7.875	5.5	14	3628	COMMON	150	
RATHOLE	7.875	5.5	14	3628	60/40 POZMIX	30	



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 05619 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-4-12	DISTRICT KANSAS	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 INC		LEASE Brown # 2				WELL NO.				
ADDRESS		COUNTY Barton 31-20-1 STATE Ks.								
CITY		STATE		SERVICE CREW Allen Eric, Mikel.						
AUTHORIZED BY				JOB TYPE: 8 3/8" Surface CNU						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
#28443 P.4	1						4-4-12			530
19903-19905	1						4-4-12			653
19831-21010	1						4-4-12			830
							4-4-12			930
							4-4-12			1030
						MILES FROM STATION TO WELL	45-m. lcs			

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 Common	SK	175		\$ 3150.00	
CP100C	Common	SK	175		\$ 2800.00	
CC102	Cell Flake	lb	88		\$ 325.50	
CC109	Calcium chloride	lb	825		\$ 866.25	
CF153	Wooden Plug	EA	1		\$ 160.00	
E100	unit mileage chg.	mi	45		\$ 191.25	
E101	Heavy Equip. mileage chg.	mi	90		\$ 630.00	
E113	Bulk Delivery chg.	TM	793		\$ 1188.00	
CF200	Depth Charge @ 500'	4-hr	1		\$ 1000.00	
CF240	Blending & mixing service chg.	SK	350		\$ 490.00	
CF504	Plug container Utilization chg.	Job	1		\$ 250.00	
5002	service supervisor first 8 hrs	EA	1		\$ 175.00	
					SUB TOTAL	\$ 8868.62

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: Allen F. Ward THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Eric Mikel
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer <i>L.D. Drilling Inc</i>	Lease No.	Date <i>4-4-12</i>
Lease <i>Brown</i>	Well # <i>2</i>	
Field Order # <i>0-5619A</i>	Station <i>Pratt KS</i>	Casing <i>8 5/8"</i>
		Depth <i>371'</i>
Type Job <i>8 5/8" surface</i>	Formation <i>CNW</i>	County <i>Barton</i>
		State <i>Ks</i>
		Legal Description <i>31-20-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8"</i>	<i>3 1/2"</i>			<i>175-5 SKS A-CON Blend @ 12#</i>				
Depth <i>366'</i>	Depth	From	To	<i>175-5 SKS Common</i>	Max	<i>2 1/2"</i>	<i>15.6 #</i>	5 Min.
Volume <i>22</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>500 #</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>371'</i>	Packer Depth	From	To	Flush <i>Disp H 20</i>	Gas Volume			Total Load

Customer Representative <i>Jim "TP"</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 19903 19905 19831 21010</i>		
Driver Names <i>Allen Eric Wright Mike Lawrence</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:53 am</i>					<i>On Loc. Discuss Safety Setup, Plan Job</i>
<i>7:00</i>					<i>start out of hole w/ Bit</i>
<i>7:20</i>					<i>start 8 5/8 csg. 24"</i>
<i>8:30</i>					<i>csg @ 366' CIR w/ Rig.</i>
<i>8:40</i>	<i>200 #</i>		<i>77</i>	<i>5</i>	<i>Pump 175 SKS A-CON @ 12#</i>
				<i>5</i>	<i>Pump 175 SKS common 2% CG, 1/4" C.F. @ 15.6 #</i>
			<i>37</i>		<i>Finish mix, Release wooden Plug</i>
<i>9:10</i>				<i>5</i>	<i>start Disp.</i>
<i>9:15</i>	<i>400 #</i>		<i>22</i>	<i>2 1/2</i>	<i>Plug down</i>
	<i>300 #</i>				<i>shut in @ well.</i>
	<i>0 #</i>				<i>Release PSI</i>
					<i>wash up Equip.</i>
<i>10:30</i>					<i>Job complete</i>
					<i>thanks Allen</i>
					<i>Eric</i>
					<i>Mike L.</i>
					<i>Cement CIR To P.S.</i>



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PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 05620 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-10-12 DISTRICT KANSAS	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 Inc.	LEASE Brown # 2 WELL NO.:
ADDRESS	COUNTY Stafford 30-20 STATE KANS.
CITY STATE	SERVICE CREW Allen, Mike, Steve
AUTHORIZED BY	JOB TYPE: 5 1/2" L.S. CNW

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.U.	1 1/2						4-10-12	PM	330
19903-19905	1 1/2						4-10-12	AM	1000
19832-19862	1 1/2						4-10-12	AM	1130
							4-11-12	PM	1900
							4-11-12	PM	200
						MILES FROM STATION TO WELL			45 miles

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

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 P02	SK	30		\$ 360.00
CP100C	Common cement	SK	150		\$ 2400.00
CC102	cell Flake	lb	35		\$ 140.60
CC112	cement Friction Reducer	lb	43		\$ 258.00
CC113	Gypsum	lb	2.25		\$ 52.75
CC129	FIA-372	lb	43		\$ 322.50
CC200	Cement Gel	lb	282		\$ 70.50
CF103	Top Rubber cement Plug	EA	1		\$ 105.00
CF251	Guide Shoe Reg. 5 1/2" Blue	EA	1		\$ 250.00
CF1451	Flapper Type Inset Float Valve	EA	1		\$ 215.00
CF1651	Turbolizer 5 1/2" Blue	EA	6		\$ 660.00
CF151	M&P Flush	gal	1000		\$ 660.00
E100	Unit miterage charge P.U.	mi	45		\$ 191.25
E101	Heavy Equip. mi.	mi	90		\$ 630.00
E113	Bulk Del. Chg.	Tm	375		\$ 601.20
CE204	Depth Chg. 3001-4000	4-hr	1		\$ 2160.00
CE240	Blending & mixing service chg.	SK	180		\$ 252.00
CE504	Plug container utilization chg.	Job	1		\$ 250.00
S003	Service Supervisor first 8hrs	EA	1		\$ 120.00

SUB TOTAL
DLS \$ 8239.54

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE **Allen F. Wood** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **L.D. Davis By D. Scott**
FIELD SERVICE ORDER NO. (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.O. Drilling Inc	Lease No.	Date 4-10-12
Lease Brown	Well # #2	
Field Order # 05620A	Station Pratt	Casing 5/2"
		Depth 3628'
Type Job 5/2" Long String	Formation CNW	County Stafford
		State Ks
		Legal Description 31-20-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5/2"				1000 gal MUD Flush (24 BBLs)			
3628'	Depth	From	To	Pre Pad	Max		5 Min.
				150 SKs common @ 15'			
88	Volume	From	To	Pad	Min		10 Min.
				30 SKs 60/40 Pore Plug R.H.			
1000	Max Press	From	To	Frac	Avg		15 Min.
PC	Well Connection	Annulus Vol.	From	To	HHP Used		Annulus Pressure
3618'	Plug Depth	Packer Depth	From	To	Flush	Gas Volume	Total Load
					Disp H₂O		

Customer Representative Jim TP	Station Manager Scotty	Treater Allen
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Service Units	28443	19903	19905	19832	19862
Driver Names	Allen	Mike	Mattal	Steve	Young

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00 pm					on Loc. Discuss Safety, Setup, Plan Rig. Rigging up To Run 5/2" csg, 14"
1:15					Start 5/2" csg. Shoe It 10.40' Guide Shoe + Insert fill in collar cent 1-3-5-7-9-11
1:20					Tag Bottom @ 3680' set @ 3628' cir
1:30 AM	200		24	5	Pump 1000 gal MUD Flush
			5	5	Pump 5 gal H₂O Flush
				5	mix + Pump 150 SKs common @ 15'
			38		Finish mix, washout Pump + line
					6 1/2 Drop Top Rubber Plug, St. Disp.
					5 1/2 Caught Lift PST w/ 55 out
1:00	1000		88	2	Plug down
	0				Release PST - "OK"
					Plug R.H. w/ 30 SKs
			7		60/40 Pore
1:30					Washup + Rackup equip.
2:00					Job complete
					Thank Allen, Mike, Steve.



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

FIELD SERVICE TICKET
1718 06111 A

31-205-12W

DATE _____ TICKET NO. _____

DATE OF JOB: 4-17-12	DISTRICT: Pratt, Kansas	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, Incorporated	LEASE: Brown	WELL NO. 2								
ADDRESS:	COUNTY: Barton	STATE: Kansas								
CITY:	STATE:	SERVICE CREW: C. Messick; K. Losley; E. Marquez; J. Pierso								
AUTHORIZED BY:	JOB TYPE: C.N.W. - Squeeze Arbuckle Perforations									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37,216	2	19,889-19,843	2				4-17-12			8:15
						ARRIVED AT JOB				10:15
						START OPERATION				11:15
37,586	2	19,960-19,918	2			FINISH OPERATION				1:15
						RELEASED	4-17-12			1:30
						MILES FROM STATION TO WELL				45

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

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP 100C	Common Cement	skt	50	\$	800.00
P CC 105	C-41P	Lb	6	\$	24.00
P CC 112	Cement Friction Reducer	Lb	12	\$	72.00
P CC 129	FLA 322	Lb	12	\$	90.00
P E 100	Pickup Mileage	mi	45	\$	191.25
P E 101	Heavy Equipment Mileage	mi	90	\$	630.00
P E 113	Built Delivery	tm	106	\$	169.20
P CE 204	Cement Pump: 3,000 Feet To 4,000 Feet	hrs	4	\$	2,160.00
P CE 240	Blending and Mixing Service	skt	50	\$	70.00
P S003	Service Supervisor	hrs	8	\$	175.00
P CE 500	Squeeze Manifold	Job	1	\$	430.00

SUB TOTAL
ALS \$ 3945.39

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: *R. M. [Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *L. D. Davis*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer L.D. Drilling, Incorporated	Lease No. Brown	Date 4-17-12
Lease Brown	Well # 2	
Field Order # 2111	Station Pratt, Kansas	Casing 3 1/2 14Lb
		Depth 3613Ft
Type Job C.N.W. - Squeeze Arbuckle Perforations	Formation Arbuckle	County Barton
		State Kansas
		Legal Description 31-205-12W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 1/2 14Lb	Tubing Size 2 7/8	Shots/Ft		ADD 25 sacks common with fluid loss	RATE	PRESS	ISIP	
Depth 3613Ft	Depth 3402Ft	From	To	FLUID 25 sacks common (Neat)	Max		5 Min.	
Volume 88.2 Bbl.	Volume 13.2 Bbl.	From	To	FLUID	Min		10 Min.	
Max. Press. 150 PSI	Max. Press. 2500 PSI	From	To	FLUID	Avg		15 Min.	
Well Connection 6 7/8 UP	Annulus Vol. 0 1.5 Bbl.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth 3402Ft	From	To	Flush 15.6 Bbl. Max 1.50	Gas Volume		Total Load	

Customer Representative L.D. Davis	Station Manager David Scott	Treater Clarence R. Messicht
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Service Units	37,216	37,586	19,889	19,843	19,960	19,918			
Driver Names	Messicht	Lesley	Marquez	Pierson					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:15					Trucks on location and hold safety meeting.
					Packer set at 3402 Feet. Arbuckle Perforations 3504 Feet To 3522 Feet.
11:15	100			2	Start to fill Annulus.
11:21	500		18		Annulus full. Pressure up and shut it in.
	100	100		1	Start to fill Tubing.
		400	5	1.5	Tubing full. Pumping steady.
11:30		400		1.5	Start mix 25 sacks commencement with FLA-32
		400	7	1.5	Start mix 25 sacks commencement (Neat)
			12		Stop pumping. Shut in well. Wash pump & lines.
					Open Well.
11:39		100		1.5	Start Fresh water Displacement.
			2		catch cement
11:47		2100	14		Packer clear. Stop pumping.
11:52		2100	14.25		move .25 Bbl. pumping into Perfs.
11:55					Shut in well. Wash up pump & truck.
12:10		100			Open Well.
12:15		2,500			Pressure up. Well holding.
	500				Release Pressure. No returns.
12:34	750			2	Packer unset at 3,597 Feet. Reverse out
			35		Well clean. Pull Packer back up to 3,402 Feet.
12:58	500	500			Leave packer unset. Pressure upon well.
					It all held. Pull Packer out of well.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: BROWN #2

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S31/20S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CON Job Number: D1119

Test Unit:

Start Date: 2012/04/07 Start Time: 17:00:00

End Date: 2012/04/07 End Time: 23:00:00

Report Date: 2012/04/07 Prepared By: JOHN RIEDL

Remarks: Qualified By: JOSHAUSTIN

RECOVERY: 250' VERY SLIGHTLY OIL CUT GASSY MUD,250' SLIGHTLY MUD CUT GASSY OIL; GAS TO S



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

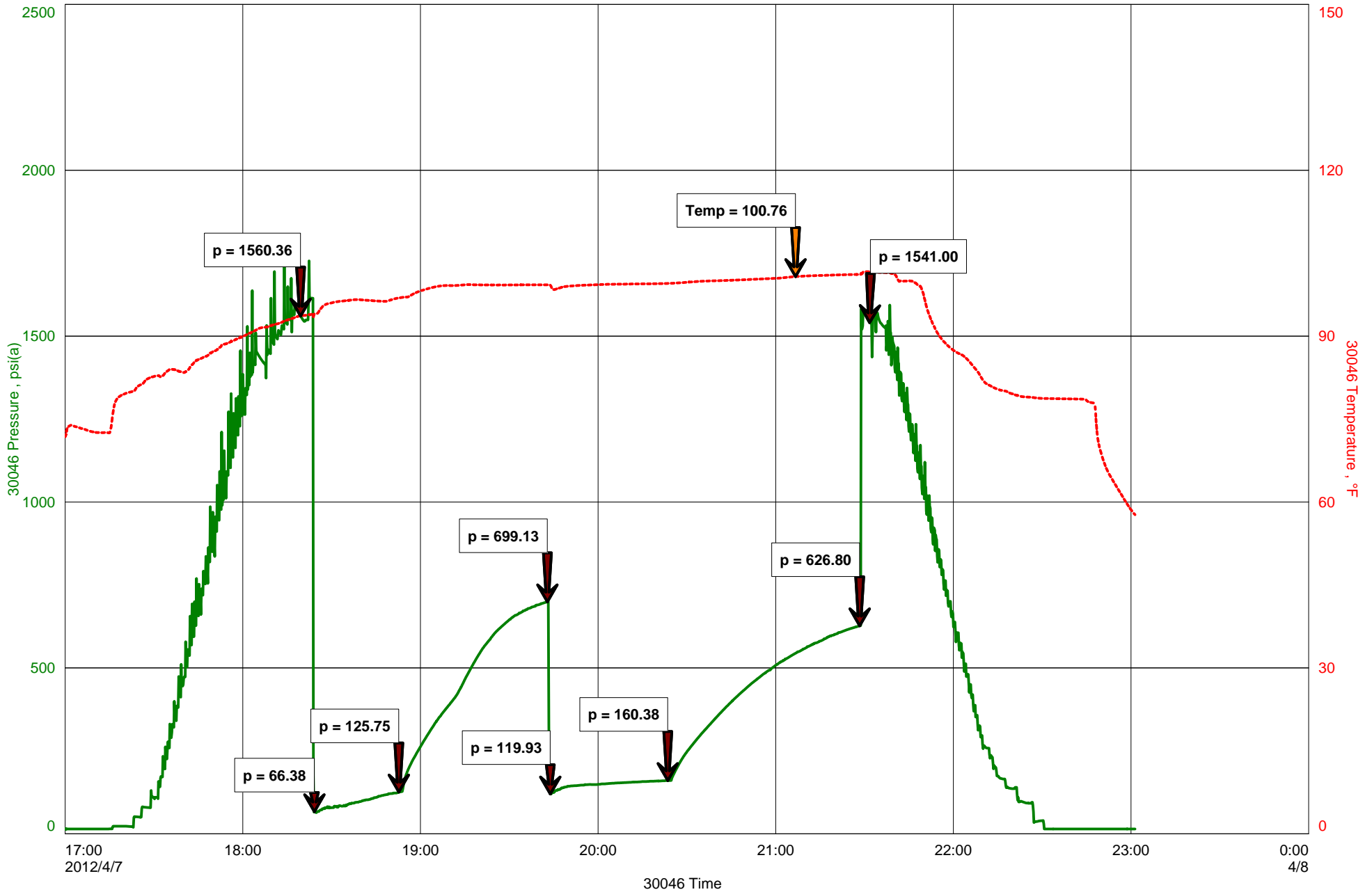
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	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.

BROWN #2



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: BROWN 2

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S31/20S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CON Job Number: D1120

Test Unit:

Start Date: Start Time:

End Date: 2012/08/04 End Time: 07:30:00

Report Date: 2012/04/08 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 10' DRILLING MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

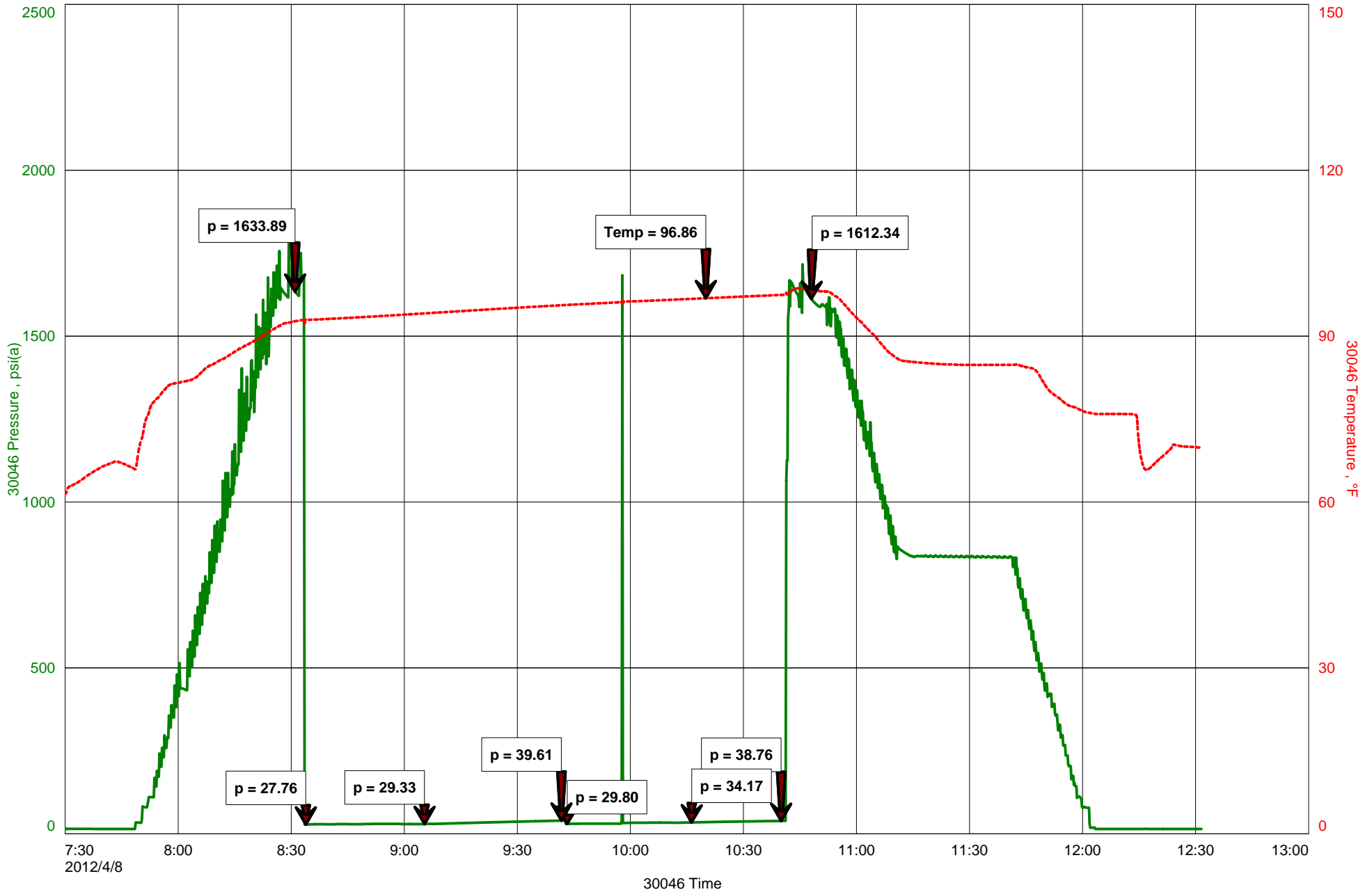
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	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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BROWN 2



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: BROWN #2

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S31/20S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1121

Test Unit:

Start Date: 2012/04/08 Start Time: 21:00:00

End Date: 2012/04/09 End Time: 02:30:00

Report Date: 2012/04/09 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 10' SLIGHTLY OIL CUT GASSY MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

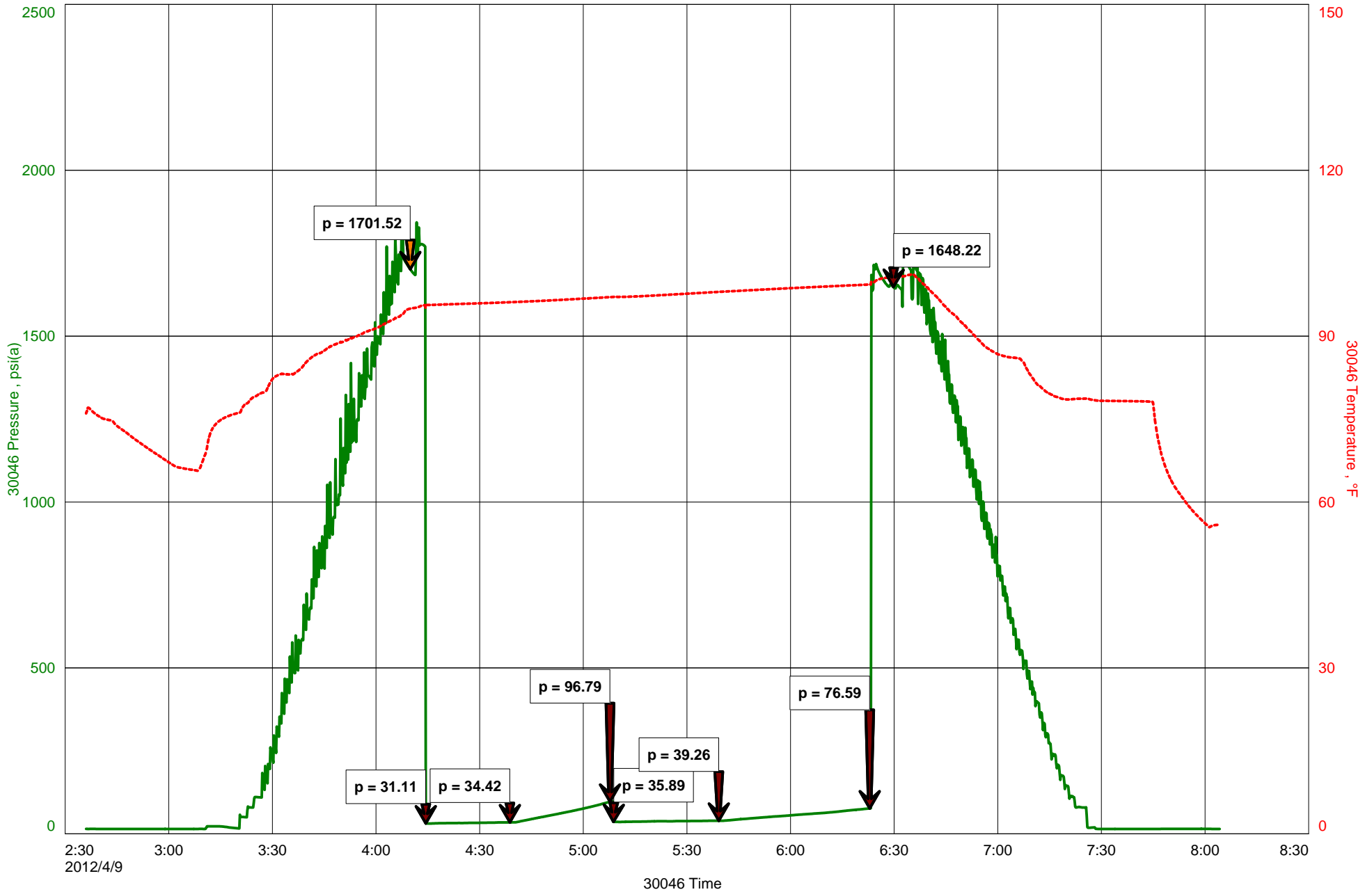
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	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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BROWN #2



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: BROWN #2

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S31/20S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CON Job Number: D1022

Test Unit:

Start Date: 2012/04/09 Start Time: 07:20:00

End Date: 2012/04/09 End Time: 12:10:00

Report Date: 2012/04/09 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 12' HEAVY OIL CUT MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

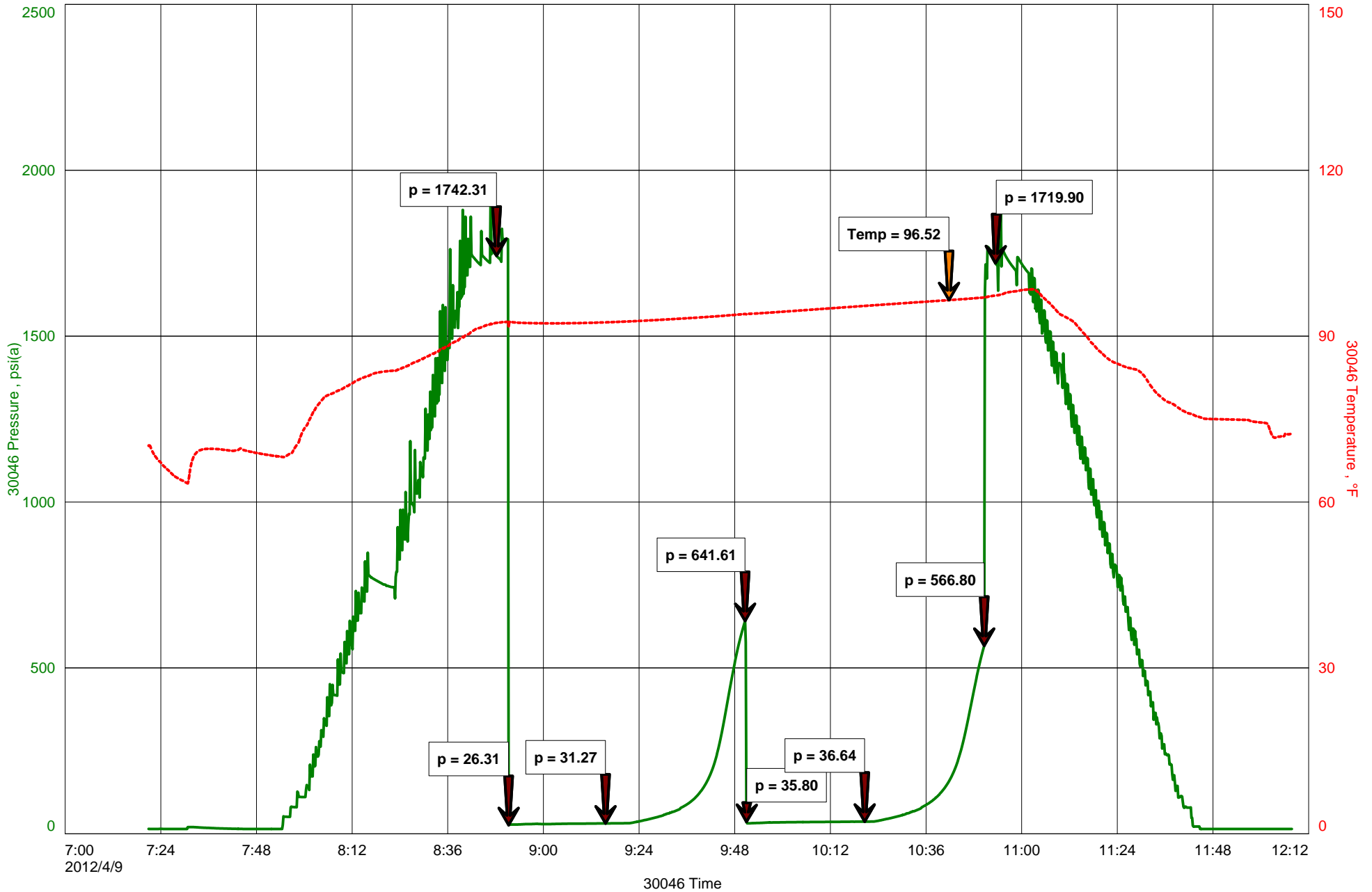
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	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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BROWN #2



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: BROWN #2

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S31/20S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1023

Test Unit:

Start Date: 2012/04/09 Start Time: 16:00:00

End Date: 2012/04/09 End Time: 22:00:00

Report Date: 2012/04/09 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 250' GAS IN PIPE,300' GASSY OIL



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

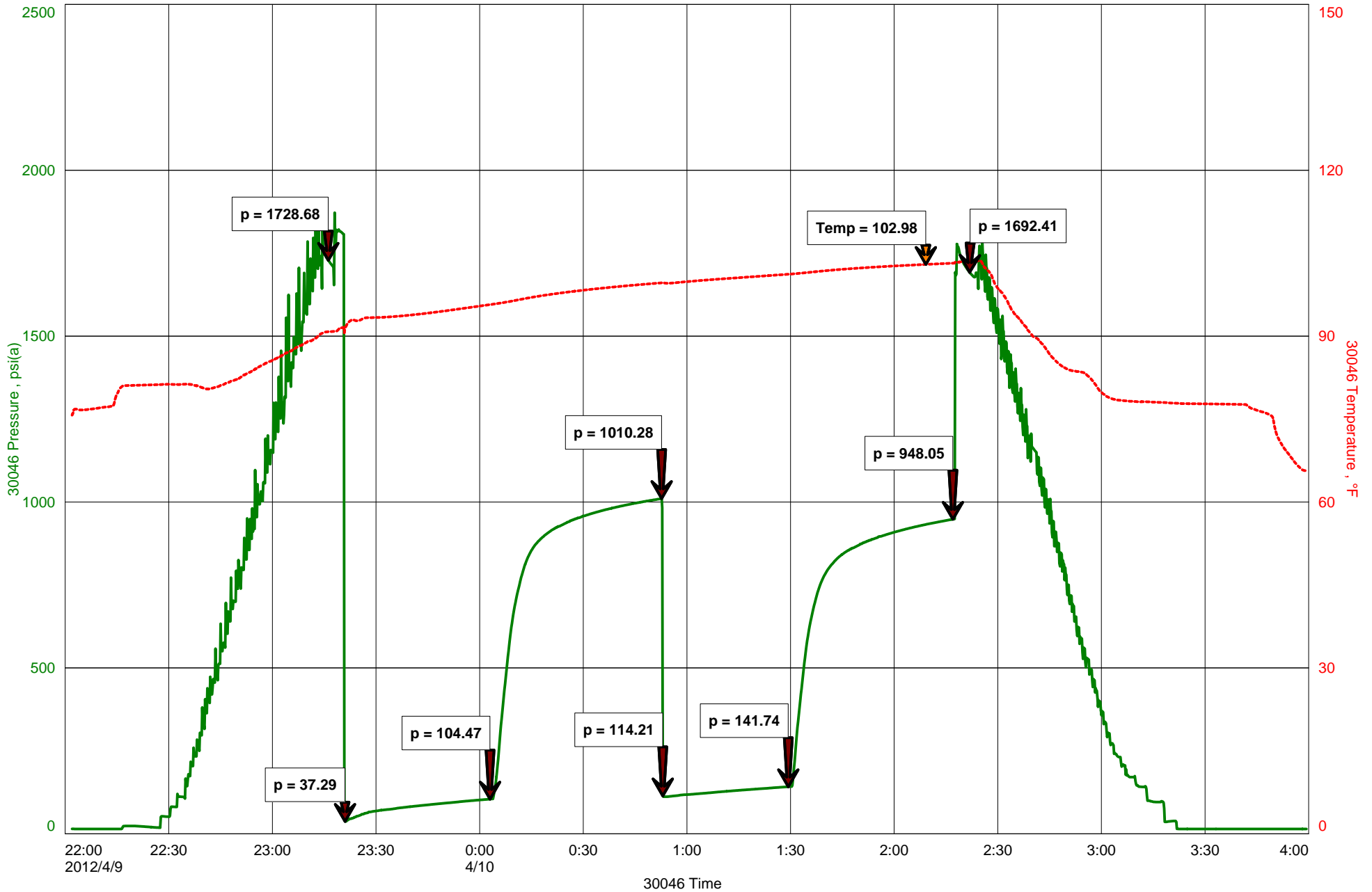
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____

	Price Job
	Other Charges
	Insurance
	Total

	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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BROWN #2



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: BROWN #2

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S31/20S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1024

Test Unit:

Start Date: 2012/04/10 Start Time: 01:30:00

End Date: 2012/04/10 End Time: 07:40:00

Report Date: 2012/04/10 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 300' GAS IN PIPE, 280' GASSY OIL



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ 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 BOWEN 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: _____

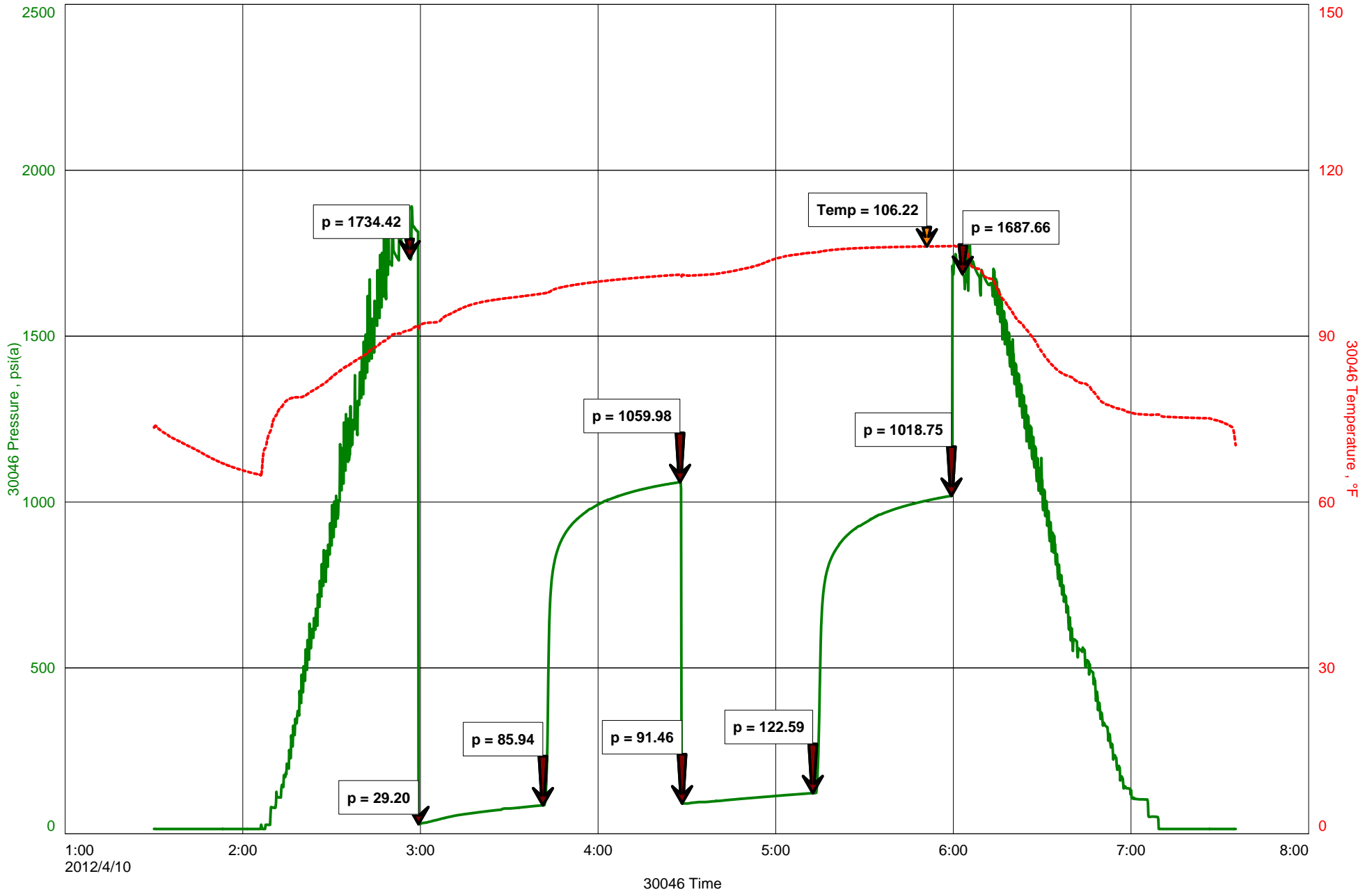
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	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.

BROWN #2



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: Brown #2
 Location: 8 5/8" @ 371'
 Pool:
 State: Kansas

API: 15-009-25665-00-00
 Field:
 Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: Brown #2
 Surface Location: 8 5/8" @ 371'
 Bottom Location:
 API: 15-009-25665-00-00
 License Number:
 Spud Date: 4/4/2012 Time: 3:34 PM
 Region: Barton County, NW-NW-SW 31-20s-12w
 Drilling Completed: 4/10/2012 Time: 5:50 PM
 Surface Coordinates: 2310' From South Line & 330' From West Line
 Bottom Hole Coordinates:
 Ground Elevation: 1855.00ft
 K.B. Elevation: 1860.00ft
 Logged Interval: 2900.00ft To: 3630.00ft
 Total Depth: 3630.00ft
 Formation: LANSING
 Drilling Fluid Type: Chemical Mud was displaced at 2787'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 2310' From South Line
 E/W Co-ord: 330' From West Line

LOGGED BY

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

CONTRACTOR

Contractor: Petromark Drilling LLC
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 4/4/2012 Time: 3:34 PM
 TD Date: 4/10/2012 Time: 5:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1860.00ft Ground Elevation: 1855.00ft

NOTES

On the Basis of the positive structural position and the drill stem test in the Arbuckle, it was recommended by all parties involved in the Brown #2 that 5 1/2" Production Casing be set and cemented at the Rotary Total Depth 3630.

L.D. Drilling, Inc. well comparison sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Brown 2					Doonan 2-31				Brown 1			
							Structural				Structural	
							Relationship				Relationship	
1861 KB					1862 KB				1862 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	689	1172	674	1187	678	1183			678	1184		
Heebner	3081	-1220	3084	-1223	3086	-1225	5	2	3092	-1230	10	7
Toronto	3098	-1237	3100	-1239	3102	-1241	4	2	3107	-1245	8	6
Douglas	3116	-1255	3116	-1255	3120	-1259	4	FLAT	3124	-1262	7	7
Brown Lime	3203	-1342	3204	-1343	3206	-1345	3	2	3215	-1353	11	10
Lansing	3218	-1357	3219	-1358	3222	-1361	4	3	3231	-1369	12	11
Base KC	3430	-1569	3430	-1569	3434	-1573	4	4	3448	-1586	17	13
Conglomerate	3441	-1580	3442	-1581	3448	-1587	7	6	3455	-1593	13	12
Arbuckle	3476	-1615	3480	-1619	3480	-1619	4	FLAT	3481	-1619	4	FLAT
Total Depth	3630	-1769	3631	-1770	3632	-1771			3632	-1770		

ROCK TYPES

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

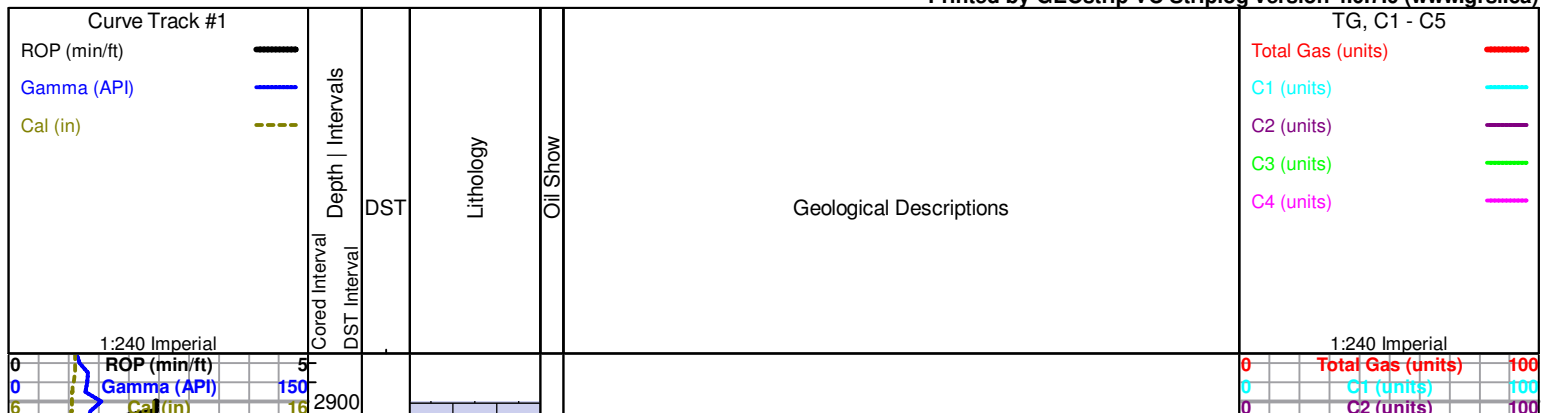
ACCESSORIES

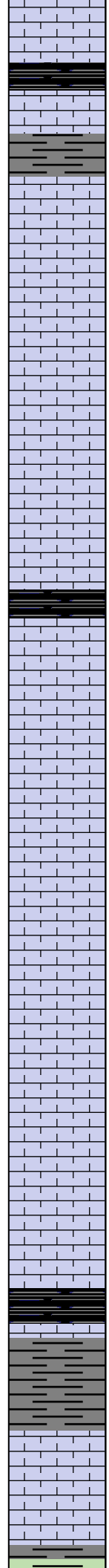
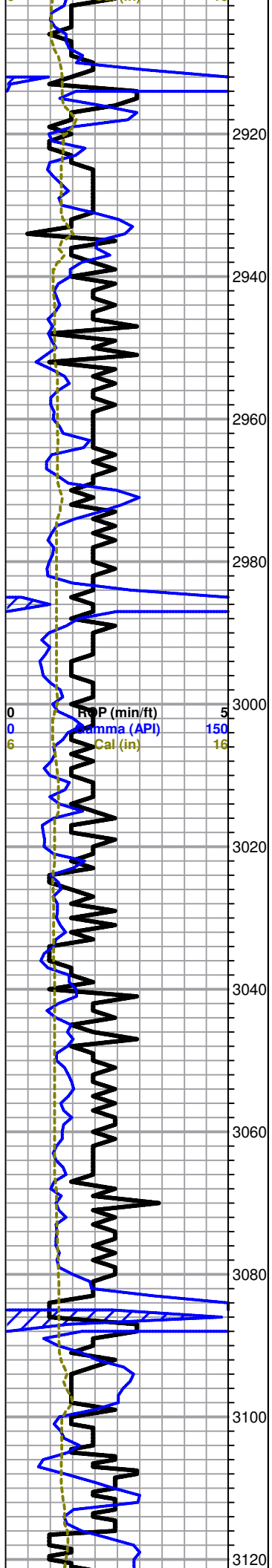
MINERAL
△ Chert White

OTHER SYMBOLS

DST
 DST Int
 DST alt
 Core
 tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





black carboniferous shale

Shale; marroon/grey

Limestone; cream-buff-grey, fine xln, highly fossiliferous in part, dense, poor visible porosity, few granular pieces, no shows

Limestone; cream-tan, fossiliferous/oolitic, dense, poorly developed porosity, plus tan-grey fossiliferous, boney; Chert

black carboniferous shale

Limestone; cream-tan, highly fossiliferous, scattered porosity, chalky in part, granular, N/S

Limestone; cream-lt. grey-buff, fine-medium xln, fossiliferous, chalky, scattered inter xln-fossil cast type porosity, slightly dolomitic in part, no shows

Limestone; cream, chalky, slightly fossiliferous, fair porosity, trace brown spotty stain, NSFO, no odor
plus lt. grey-white, boney Chert

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

HEEBNER 3081 (-1221)

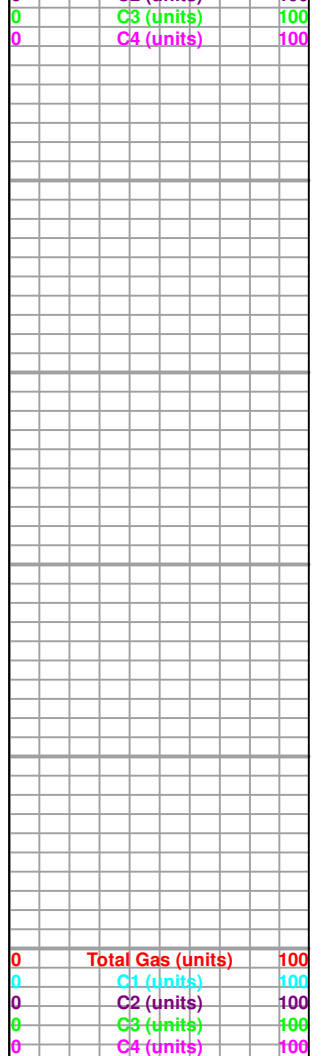
Black Carboniferous Shale

grey-green; Shale

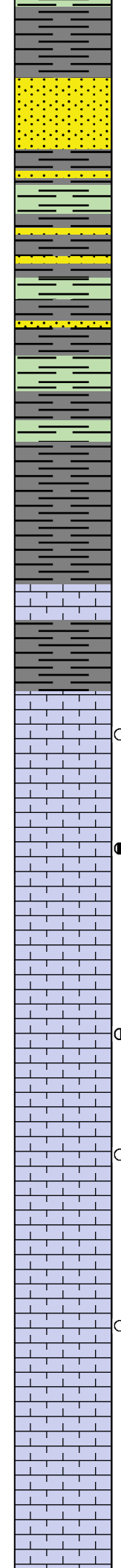
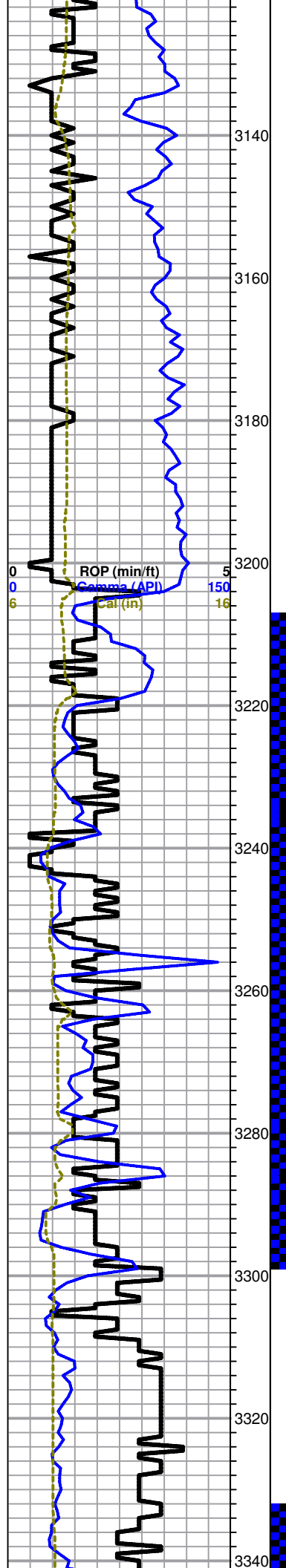
TORONTO 3098 (-1237)

Limestone; cream-white, fine xln, slightly sucrosic, dolomitic in part, no shows

DOUGLAS 3116 (-1255)



KB 1860



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

Sand; greyish green, very fine grained, friable, silty, micaceous, poor porosity, no shows

Sand as above, plus grey-greyish green, silty, micaceous; Shale

Shale and Sand as above

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

BROWN LIME 3203 (-1343)

Limestone; tan-brown, fossiliferous, dense, cherty

LANSING 3218 (-1358)

Limestone; cream-white, fine xln, chalky, inter xln porosity, spotty golden brown stain, slight SFO, faint-fair odor

Limestone; grey-cream, oomoldic/oolitic, fair-good oomoldic porosity, brown-grey stain, SFO, trace gas bubbles, fair-good odor

Limestone; cream-tan, fine xln, fossiliferous in part, cherty, dense, plus white chalk, Chert; cream, boney

Limestone; tan-buff, highly oolitic, fair oolitic-vuggy type porosity, brown stain, SFO, fair-good odor

Limestone; grey, fine xln, chalky, fossiliferous in part, dense, slightly cherty, trace brown stain, no odor, NSFO

Limestone; cream-tan, fine-medium xln, fossiliferous-oolitic, dense, chalky in part, poorly developed porosity

Limestone; cream-tan, oolitic-oomoldic, fair-good oomoldic porosity, granular in part, trace golden brown-grey stain, NSFO, no odor plus lt. grey boney Chert

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

Shale; grey-dark grey, trace black

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

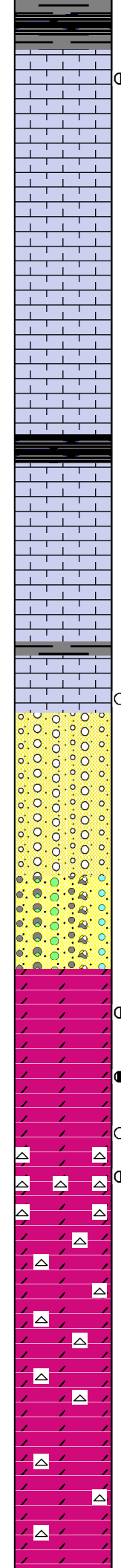
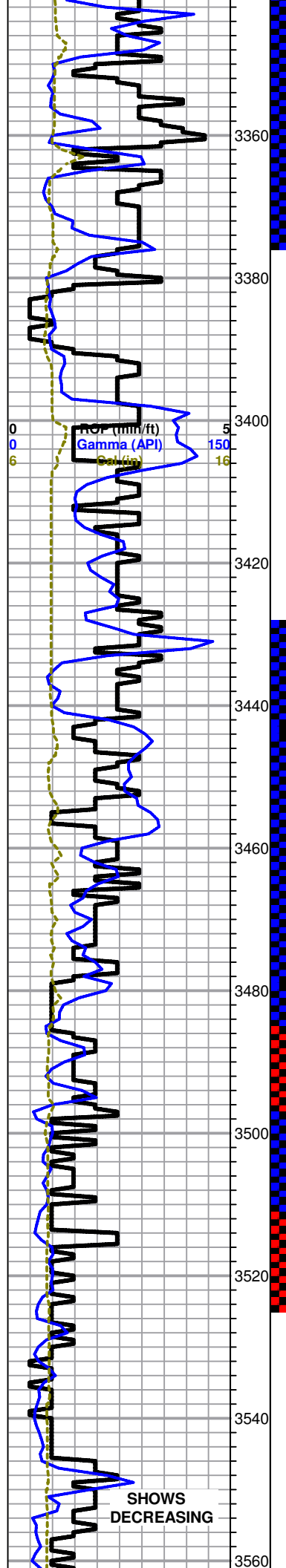
DST #1 3207-3298
 30-45-45-60

Blow; BOB 1 1/2 minutes
 no blow back
 Final; BOB 1 min GTS in 5 min, gauged 8 MCF/D
 good blow back

Recovery;
 150' vsocgm
 (3%Oil 20%Gas 77%Mud)
 250' slmco
 (10% mud 25% Gas 65% Oil)

Pressures;
 ISIP 699
 FSIP 627
 IFP 66-126
 FFP 120-160
 HSH 1560-1541

DST #2 3332-3375
 30-30-30-30



Shale; grey dark grey, trace black carboniferous shale

Limestone; tan-buff, fine xln, finely oolitic, dense, few vuggy porosity, brown stain, SFO, fair odor

Limestone; cream-lt. grey, fine xln, slightly oolitic, chalky, dense, poorly developed porosity, no shows

Limestone; cream, oomoldic-sub oomoldic, chalky, oolitic in part, fair oomoldic porosity, questionable brown stain, NSFO, very faint odor

Black carboniferous shale plus grey-maroon shale

Limestone; cream-white, fine xln, chalky, dense, slightly cherty poor visible porosity

BASE KANSAS CITY 3430 (-1569)
grey-greyish green shale

Limestone; cream, chalky, oolitic, trace black stain, NSFO, no odor

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

Sand; buff-grey, very fine grained, friable, poor visible porosity, spotty brown stain, NSFO, questionable obor plus Shale and Chert V.C

ARBUCKLE 3476 (-1615)

Dolomite; cream-buff, fine-medium, fair inter xln porosity, brown stain, SFO, fair odor

Dolomite; tan-cream, fine-medium xln, few inter xln type porosity, dense, brown stain, SFO, fair-good odor

Dolomite; grey-cream, fine-medium xln, inter xln-vuggy porosity, grey-brown stain, SFO, fair odor, plus white boney Chert oolitic in part

Dolomite; buff-tan, fine-medium xln, fair inter xln porosity, dark brown-brown stain, SFO/SAT, fair-good odor, plus white boney Chert

Dolomite as above

Dolomite; cream-lt. grey, fine-medium xln, few scattered porosity, spotty black-dark brown stain, NSFO, faint-fair "sulfur odor"

Blow; Weak

Recovery; 10' mud

Pressure; ISIP 40 FSIP 30 IFP 28-29 FFP 30-34 HSH 1634-1612

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

DST #3 3428-3485
30-30-30-30

Blow; weak

Recovery; 10' sli OCM (3% oil 10% gas 87% mud)

Pressure; ISIP 97 FSIP 77 IFP 31-34 FFP 36-39 HSH 1702-1648

DST #4 3485-3497
30-30-30-30
DST #2 3332-3375
30-30-30-30

Blow; Weak

Recovery; 10' mud

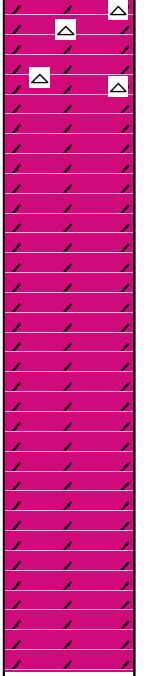
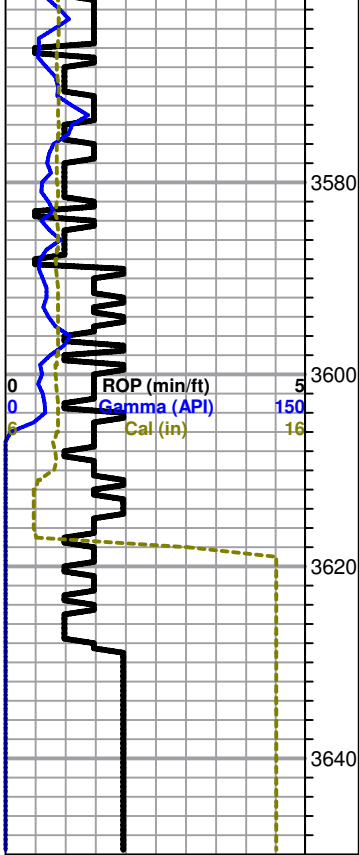
Pressure; ISIP 40 FSIP 30 IFP 28-29 FFP 30-34 HSH 1634-1612

DST #5 3497-3513
45-45-45-45

Blow; BOB in 10 minutes Final; BOB in 15 minutes weak blow back

Recovery; 250' GIP 300' CGO

Pressures; ISIP 1010 FSIP 948 IFP 37-104 FFP 114-142



Dolomite; lt. grey-cream, fine xln, few medium xln, slightly cherty, poorly developed porosity, trace black stain, few sandy pieces, NSFO, faint odor

Dolomite as above

Dolomite; cream-lt. grey, fine-medium xln, dense, cherty in part, no shows,

Dolomite; cream-lt. grey, fine-medium xln, few scattered porosity, no shows plus white boney Chert

ROTARY TOTAL DEPTH 3630 (-1770)

DST #6 3513-3525
45-45-45-45

Blow; BOB in 17 minutes
Final; BOB in 25 minutes
weak blow back

Recovery;
300' GIP
280' CGO

Pressures;
SIP 1060
FSIP 1019
IFP 29-86
FFP 91-122
HSH 1734-1688

100
100
100
100