



KANSAS CORPORATION COMMISSION 1083094
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: JOSH AUSTN
Purchaser: M V PURCHASE

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>04/04/2012</u>	<u>04/10/2012</u>	<u>04/19/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25665-00-00

Spot Description: _____
_____ NW NW SW Sec. 31 Twp. 20 S. R. 12 East West
2310 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Barton

Lease Name: BROWN Well #: 2

Field Name: ROLLING GREEN EAST

Producing Formation: ARBUCKLE

Elevation: Ground: 1859 Kelly Bushing: 1860

Total Depth: 3630 Plug Back Total Depth: 3613

Amount of Surface Pipe Set and Cemented at: 366 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: 6000 ppm Fluid volume: 920 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: L. D. DRILLING, INC.

Lease Name: DAVIS RANCH OWWD License #: 6039

Quarter NW Sec. 14 Twp. 21 S. R. 12 East West

County: STAFFORD Permit #: D30736

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: Deanna Garcia Date: 06/08/2012



1083094

Operator Name: L. D. Drilling, Inc. Lease Name: BROWN Well #: 2
 Sec. 31 Twp. 20 S. R. 12 East West County: Barton

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG MICRORESISTIVITY LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3504-3597	COMMON	50	FLA-322

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3522 - 3525'; 3512 - 3518'	1000 gal 20% HCL Acid	
4	3504 - 3508'	500 gal 28% HCL Acid	
4	3513 3519'; 3503 - 3507'		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>3610</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04/19/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

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 checked="" 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	Type 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	
PRODUCTION	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.O. 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 CWL							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
H 28443 P.4	1						4-4-12	PM	530
19903-19905	1					ARRIVED AT JOB	4-4-12	AM	653
19831-21010	1					START OPERATION	4-4-12	PM	830
						FINISH OPERATION	4-4-12	PM	930
						RELEASED	4-4-12	AM	1030
						MILES FROM STATION TO WELL	4.5 m. / cs		

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		\$ 325.00
CC109	calcium chloride	lb	825		\$ 846.25
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	743		\$ 1188.00
CF200	Depth Charge @ 2500	4-hr	1		\$ 1000.00
CF240	Blending & mixing Service chg.	SK	350		\$ 490.00
CF304	Plug container Utilization chg.	Job	1		\$ 250.00
5002	Service supervisor first shift	EA	1		\$ 175.00

SUB TOTAL
NLS \$ 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.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling INC	Lease No.	Date 4-4-12
Lease Brown	Well # 2	
Field Order # 03619A	Station Pratt KS	Casing 8 5/8"
Type Job 8 5/8" surface	Formation GNW	Depth 371'
		County Barton
		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
8 5/8"			175-5	A-CON Blend @ 12 #			
Depth 366'	Depth	From	To 175-5	Pro-Pad	Max	1/4" C.F. @ 15.6 #	5 Min.
Volume 22	Volume	From	To	Pad	Min		10 Min.
Max Press 4	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative Jim "TP"	Station Manager Scotty	Treater Allen
Service Units 28443	19903	19905
Driver Names Allen	Eric Wright	Mike Lawrence

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



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 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	3:30	
19903-19905	1 1/2					ARRIVED AT JOB	4-10-12	10:00	
19832-19862	1 1/2					START OPERATION	4-10-12	11:30	
						FINISH OPERATION	4-11-12	1:00	
						RELEASED	4-11-12	2:00	
						MILES FROM STATION TO WELL	45 miles		

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
CP103	60/40 P02	SK	30		\$ 360.00
CP100C	Common cement	SK	150		\$ 2400.00
CC102	Cell Flake	lb	38		\$ 140.60
CC112	Cement Friction Reducer	lb	43		\$ 258.60
CC113	Gypsum	lb	295		\$ 57.25
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	Turboliner 5 1/2" Blue	EA	6		\$ 660.00
CF151	MWP Flush	gal	1000		\$ 860.00
E100	Unit mileage charge P.U.	mi	45		\$ 191.25
E101	Heavy Equip. mi.	mi	90		\$ 630.00
E113	Bulk Del. Chg.	Tn	375		\$ 601.50
CE209	Depth Chg. 3001-4000	4hr	1		\$ 2160.00
CE240	Blending & mixing Service chg.	SK	180		\$ 252.00
CE504	Plug container utilization chg. Job	Job	1		\$ 250.00
S003	Service Supervisory fee	EA	1		\$ 125.00

SUB TOTAL
DLS. 18239.54

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. Srd**
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.O. Drilling Inc	Lease No.	Date 4-10-12
Lease Brown	Well # H2	
Field Order # 05620A	Station Pratt	Casing 5 1/2"
Type Job 5 1/2" Long String	Formation cnw	Depth 3628'
		County Stafford
		State Ks
		Legal Description 37-20-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3628'	Depth	From	To	Pre Plug 150 SKs common @ 15'	Max		5 Min.
Volume 88	Volume	From	To	Pad 30 SKs 60/40 por Plug R.H.	Min		10 Min.
Max Press 1000'	Max Press	From	To	Frac	Avg		15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 3618'	Packer Depth	From	To	Flush Disp H2O	Gas Volume		Total Load

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

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1000 pm					on loc. Discuss Safety, Setup Plan
					Rig. Rigging up To Run 5 1/2" cas
					14"
1015					Start 5 1/2" cas. Shoe. It 10.40'
					Guide Shoe + insert fill in collar
					cent 1-3-5-7-9-11
1120					Tag Bottom @ 3680' set @ 3628' cir
1230 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 lines
					6 1/2" Drop Top Rubber Plug, St. Disp.
	500"				5 1/2" caught lift PST w/ 55 out
100	1000"		88	2	Plug down
	D"				Release PST - "OK"
					Plug R.H. w/ 30 SKs
			7		60/40 por
130					washup + Rackup equip.
200					Job complete
					Thank Allen, Mike, Steve.



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 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. Massick, H. Losley, E. Marquez, J. Pierson							
AUTHORIZED BY	JOB TYPE: C.N.W. - Squeeze Arbuckle Perforations								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37,216	2	19,889-19,843	2				4-17-12	PM	8:15
						ARRIVED AT JOB		AM	10:15
						START OPERATION		AM	11:15
37,586	2	19,960-19,918	2			FINISH OPERATION		AM	1:15
						RELEASED	4-17-12	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).

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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 100	Common Cement	sh	50		\$ 800.00
P CC 105	C-4IP	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	Bulk Delivery	tm	10.6		\$ 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	sh	50		\$ 70.00
P S 003	Service Supervisor	hrs	8		\$ 175.00
P CE 500	Squeeze Manifold	Job	1		\$ 430.00

SUB TOTAL
BLS \$ 3,945.39

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: R. M. ... THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: L. D. Davis
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling, Incorporated	Lease No.	Date 4-17-12
Lease Brown	Well # 2	
Field Order # 6111	Station Pratt, Kansas	Casing 3 1/2 14lb
Type Job C.N.W. - Squeeze Arbuckle Perforation	Depth 3613ft.	County Barton
	Formation Arbuckle	Stage Kansas
		Legal Description 31-205-12W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 3 1/2 14lb	Tubing Size 2 7/8	Shots/Ft		25 25 sacks	COMMON	RATE	PRESS	ISIP
Depth 3613 FT.	Depth 3402 FT.	From	To	25 25 sacks	COMMON	Max		5 Min.
Volume 28.2 Bbl.	Volume 13.2 Bbl.	From	To			Min		10 Min.
Max Press 150 PSI	Max Press 1500 PSI	From	To			Avg		15 Min.
Well Connection 8" UP	Annulus Vol 64.5 Bbl.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth 3402 ft.	From	To	Flush 15.6 Bbl. Max Disp.		Gas Volume		Total Load

Customer Representative L.D. Davis	Station Manager David Scott	Treater Clarence R. Messich
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Service Units	37,216	37,586	19,889	19,843	19,960	19,918			
Driver Names	Messich	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 commenced with FEA-32
		400	7	1.5	Start mix 25 sacks Commencement (Neat)
			12		Stop pumping. Shut in well. Wash pump lines.
		-0-			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.

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

1:30 Job Complete. Thank You. Clarence, Kevin, Edmund, Jesse

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:

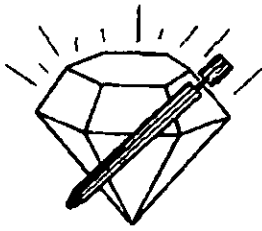
Start Date: 2012/04/07 Start Time: 17:00:00

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 SI



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 17:00 04/07/12

OFF 23:00 04/07/12

DRILL-STEM TEST TICKET STC/Brown2dst1

Company L.D DRILLING INC Lease & Well No. BROWN #2
 Contractor PETROMARK RIG 2 Charge to L.D DRILLING INC
 Elevation 1860 K.B Formation LANSING A-F Effective Pay _____ Ft. Ticket No. D1119
 Date 4/07/12 Sec. 31 Twp. 20 S Range 12 W County BARTON State KS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 1 Interval Tested from 3207 ft. to 3298 ft. Total Depth 3298 ft.
 Packer Depth 3202 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3207 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3210 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3295 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2,800 P.P.M. Drill Pipe Length 3067 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 91 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 1 1/2 MINUTES) NO BB
 2nd Open: STRONG B.O.B 1 MINUTES, GTS 5 MIN. STRONG BB

Recovered 150 ft. of VSLOC GM (3% OIL 20% GAS 77% MUD)
 Recovered 250 ft. of SLM CGO (10% MUD 25% GAS 65% OIL)
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID REC: 400' (280' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
<u>TOOL GRINDOUT (20% GAS 80% OIL)</u>	
<u>GAS GUAGED 8 MCF/D</u>	Total

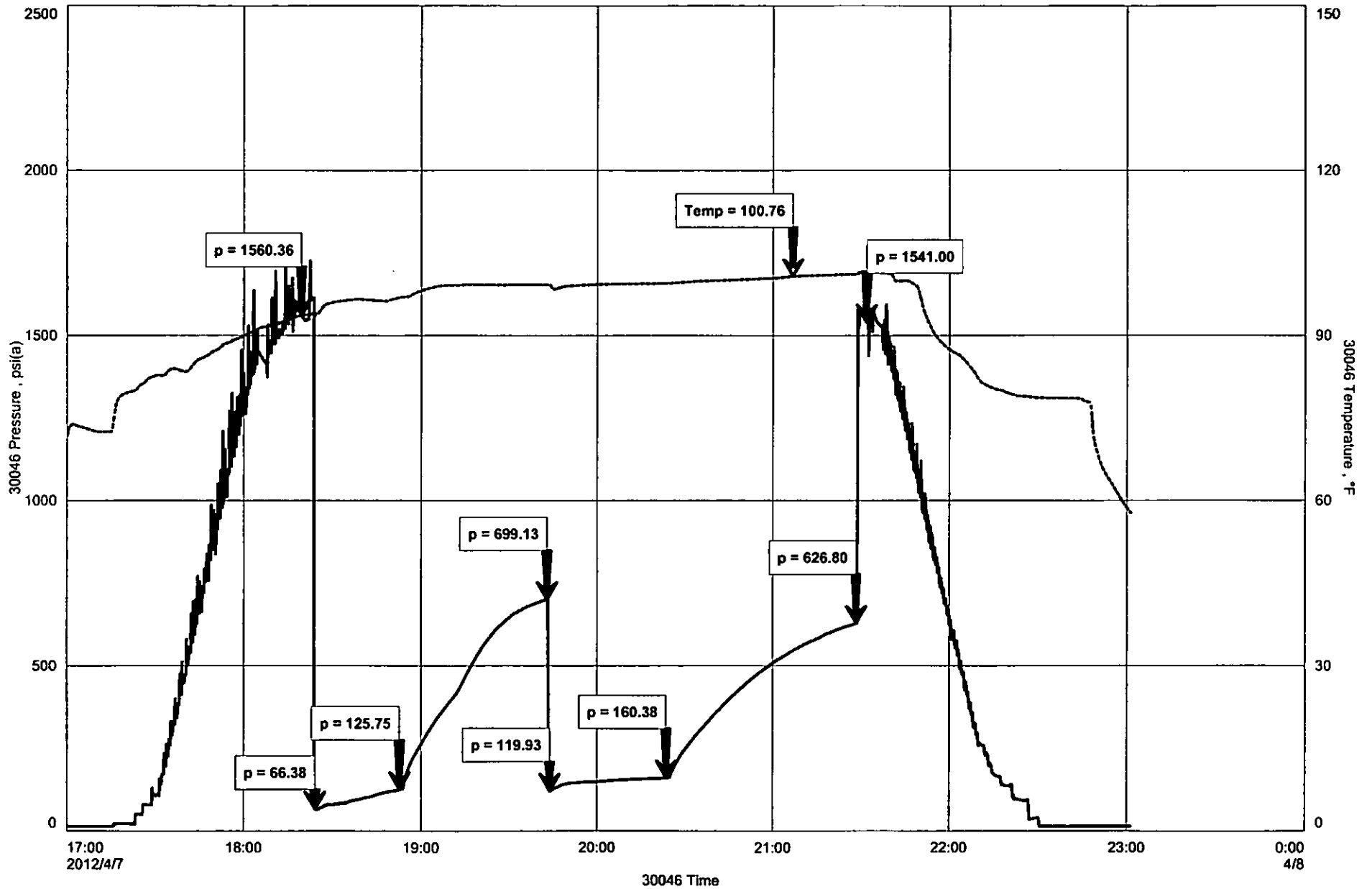
Time Set Packer(s) 6:30 A.M. A.M. P.M. Time Started Off Bottom 9:30 A.M. A.M. P.M. Maximum Temperature 101
 Initial Hydrostatic Pressure (A) 1560 P.S.I.
 Initial Flow Period Minutes 30 (B) 66 P.S.I. to (C) 126 P.S.I.
 Initial Closed In Period Minutes 45 (D) 699 P.S.I.
 Final Flow Period Minutes 45 (E) 120 P.S.I. to (F) 160 P.S.I.
 Final Closed In Period Minutes 60 (G) 527 P.S.I.
 Final Hydrostatic Pressure (H) 1541 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.

L D DRILLING INC
Start Test Date: 2012/04/07
Final Test Date: 2012/04/07

BROWN #2
Formation: LANS A+F
Job Number: D1119

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:

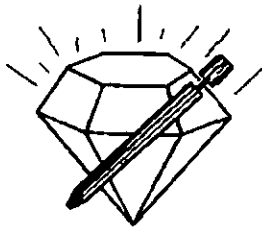
End Date: 2012/08/04 End Time: 07:30:00

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

ON 7:30 04/08/12

OFF 12:40 04/08/12

DRILL-STEM TEST TICKET

STC/Brown2dst2

Company L.D DRILLING INC Lease & Well No. BROWN #2
 Contractor PETROMARK RIG 2 Charge to L.D DRILLING INC
 Elevation 1860 K.B Formation LANSING H-I Effective Pay _____ Ft. Ticker No. 1120
 Date 4/08/12 Sec. 31 Twp. 20 S Range 12 W County BARTON State KS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 2 Interval Tested from 3332 ft. to 3375 ft. Total Depth 3375 ft.
 Packer Depth 3327 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3332 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3335 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3372 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2,800 P.P.M. Drill Pipe Length 3192 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 43 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK (1/4" THROUGHOUT) NO BB
 2nd Open: NOBLOW (FLUSHED TOOL BUT DIDN'T HELP) NO BB

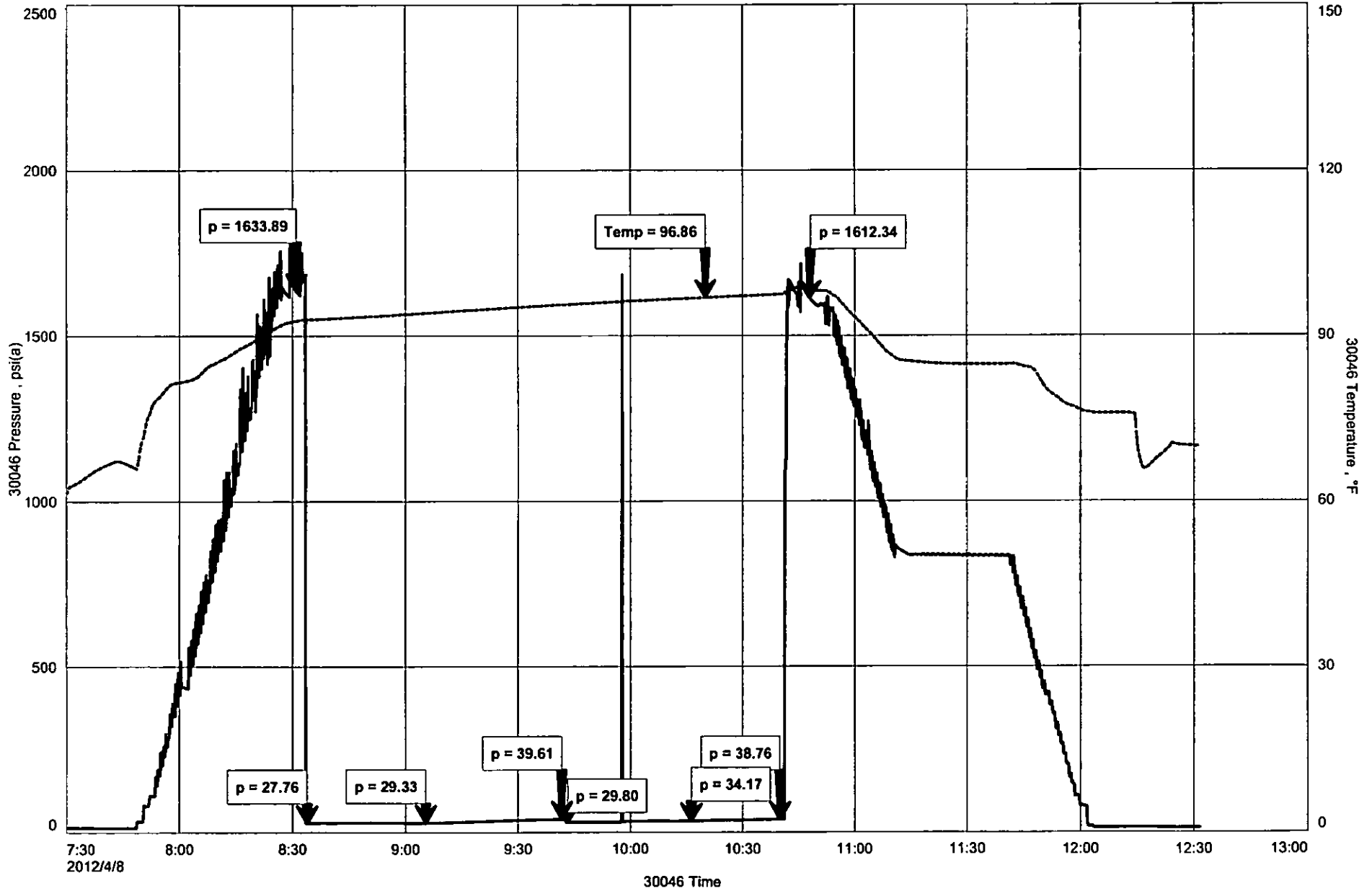
Recovered 10 ft. of DRILLING MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID REC: 10' IN DRILL COLLARS</u>	Insurance
<u>TOOL GRINDOUT (100 % MUD)</u>	
	Total

Time Set Packer(s) 8:35 A.M A.M. P.M. Time Started Off Bottom 10:35 A.M A.M. P.M. Maximum Temperature 97
 Initial Hydrostatic Pressure (A) 1634 P.S.I.
 Initial Flow Period Minutes 30 (B) 28 P.S.I. to (C) 29 P.S.I.
 Initial Closed In Period Minutes 30 (D) 40 P.S.I.
 Final Flow Period Minutes 30 (E) 30 P.S.I. to (F) 34 P.S.I.
 Final Closed In Period Minutes 30 (G) 39 P.S.I.
 Final Hydrostatic Pressure (H) 1612 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: CONVENTIONAL Job Number: D1121

Test Unit:

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

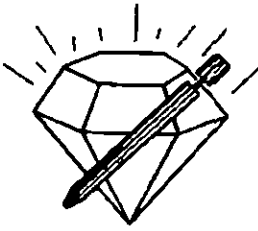
End Date: 2012/04/09 End Time: 02:30:00

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

ON 23:00 04/08/12

OFF 03:40 04/09/12

DRILL-STEM TEST TICKET

STC/Brown2dst3

Company L.D DRILLING INC Lease & Well No. BROWN #2
 Contractor PETROMARK RIG 2 Charge to L.D DRILLING INC
 Elevation 1860 K.B Formation ARBUCKLE Effective Pay _____ Fr. Ticket No. 1121
 Date 4/08/12 Sec. 31 Twp. 20 S Range 12 W County BARTON State KS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 3 Interval Tested from 3428 ft. to 3485 ft. Total Depth 3485 ft.
 Packer Depth 3423 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3428 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3431 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3482 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 8.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5,000 P.P.M. Drill Pipe Length 3288 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 43 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK (1/8" THROUGHOUT) NO BB
 2nd Open: WEAK (1/4") NO BB

Recovered 10 ft. of SLOGGM (2%OIL 10%GAS 88%MUD)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOTAL FLUID REC: 10' IN DRILL COLLARS

TOOL GRINDOUT (5%OIL 10%GAS 85% MUD)

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 10:35 P.M A.M. P.M. Time Started Off Bottom 12:35 A.M A.M. P.M. Maximum Temperature 99

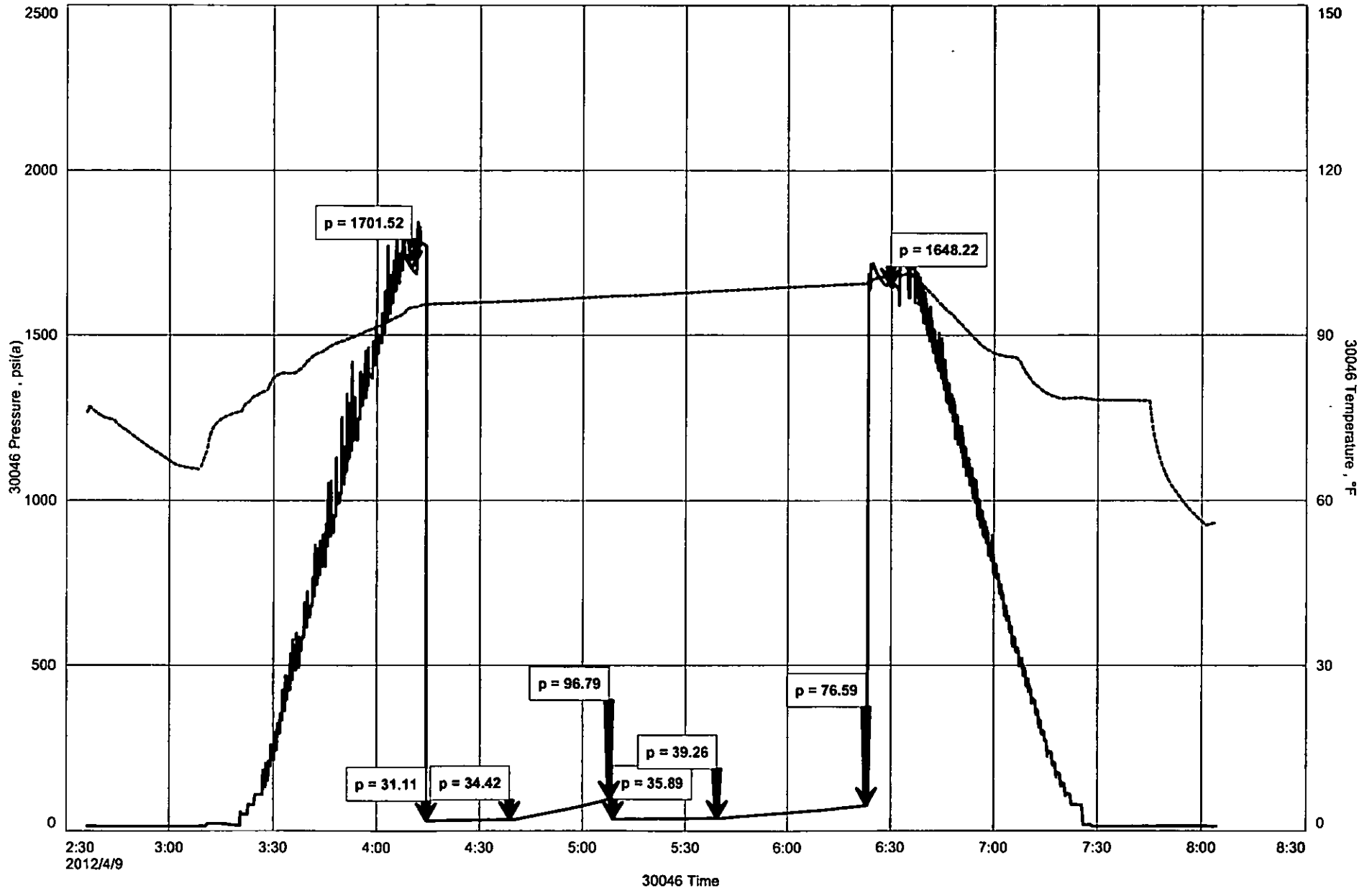
Initial Hydrostatic Pressure (A) 1702 P.S.I.
 Initial Flow Period Minutes 30 (B) 31 P.S.I. to (C) 34 P.S.I.
 Initial Closed In Period Minutes 30 (D) 97 P.S.I.
 Final Flow Period Minutes 30 (E) 36 P.S.I. to (F) 39 P.S.I.
 Final Closed In Period Minutes 30 (G) 77 P.S.I.
 Final Hydrostatic Pressure (H) 1648 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.

L D DRILLING INC
Start Test Date: 2012/04/08
Final Test Date: 2012/04/09

BROWN #2
Formation: ARBUCKLE
Job Number: D1121

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:

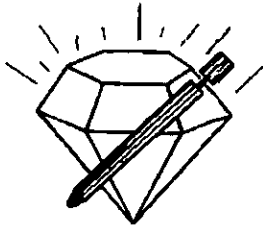
Start Date: 2012/04/09 Start Time: 07:20:00

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

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

Remarks: Qualified By: JOSH AUSTIN

RECOVERY: 12' HEAVY OIL CUT MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 07:20 04/09/12

OFF 12:10 04/09/12

DRILL-STEM TEST TICKET

STC/Brown2dst4

Company L.D DRILLING INC Lease & Well No. BROWN #2
 Contractor PETROMARK RIG 2 Charge to L.D DRILLING INC
 Elevation 1860 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. 1122
 Date 4/09/12 Sec. 31 Twp. 20 S Range 12 W County BARTON State KS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 4 Interval Tested from 3485 ft. to 3497 ft. Total Depth 3497 ft.
 Packer Depth 3480 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3485 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3488 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3494 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 8.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5,000 P.P.M. Drill Pipe Length 3345 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 12 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK(1/8" THROUGHOUT) NO BB
 2nd Open: WEAK (1/4" THROUGHOUT) NO BB

Recovered 2 ft. of FREE OIL
 Recovered 10 ft. of OCM (20%OIL 80%MUD)
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID REC: 12' IN DRILL COLLARS</u>	Insurance
<u>TOOL GRINDOUT (45%OIL 10%GAS 55% MUD)</u>	
	Total

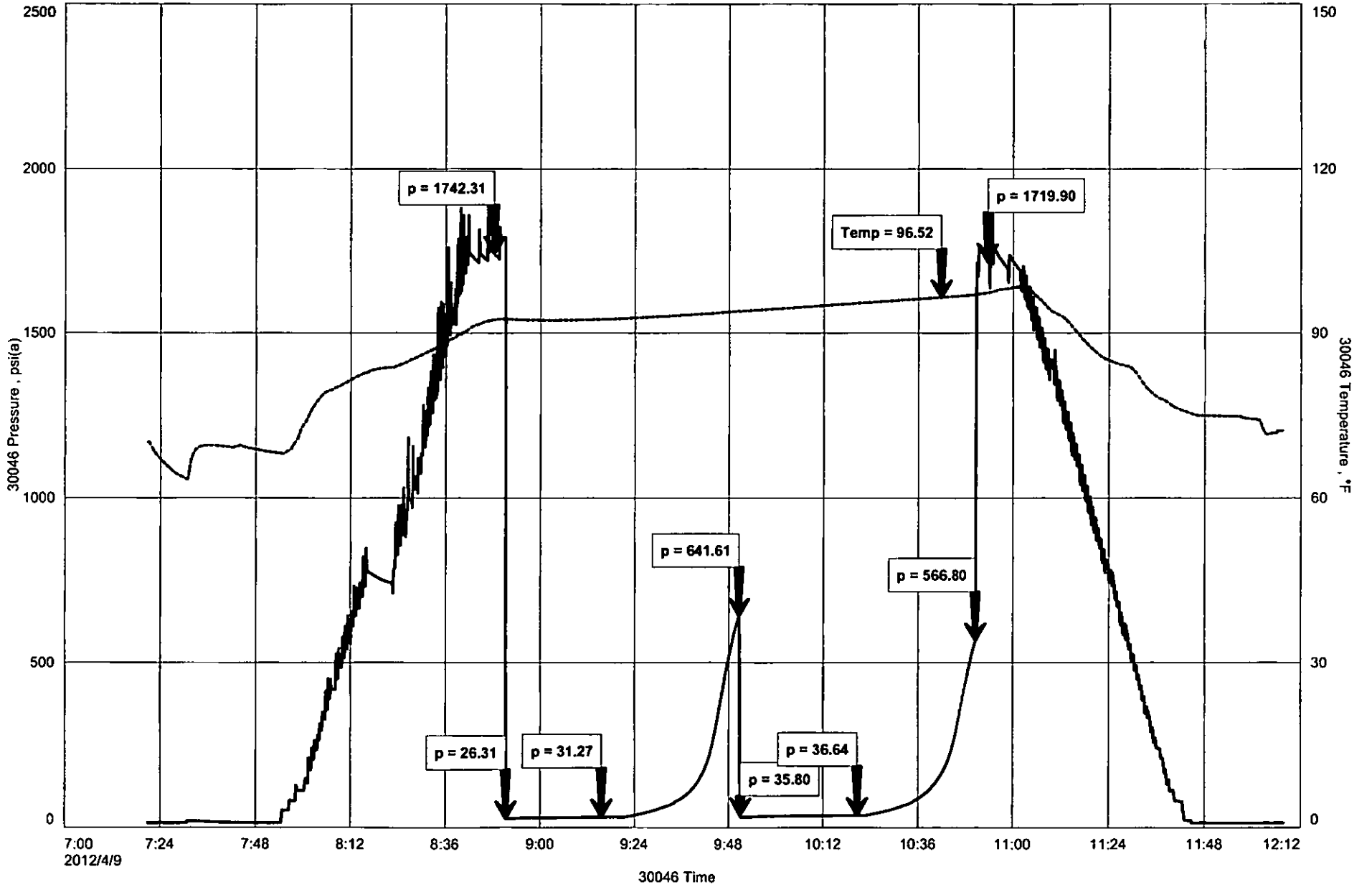
Time Set Packer(s) 8:50 A.M A.M. P.M. Time Started Off Bottom 10:50 A.M A.M. P.M. Maximum Temperature 97
 Initial Hydrostatic Pressure (A) 1742 P.S.I.
 Initial Flow Period Minutes 30 (B) 26 P.S.I. to (C) 31 P.S.I.
 Initial Closed In Period Minutes 30 (D) 642 P.S.I.
 Final Flow Period Minutes 30 (E) 36 P.S.I. to (F) 37 P.S.I.
 Final Closed In Period Minutes 30 (G) 567 P.S.I.
 Final Hydrostatic Pressure (H) 1917 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.

L D DRILLING INC
Start Test Date: 2012/04/09
Final Test Date: 2012/04/09

BROWN #2
Formation: ARBUCKLE
Job Number: D1022

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

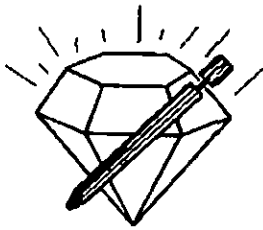
End Date: 2012/04/09 End Time: 22:00:00

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

ON 16:00 04/09/12

OFF 22:00 04/09/12

DRILL-STEM TEST TICKET

STC/Brown2dst5

Company L.D DRILLING INC Lease & Well No. BROWN #2
 Contractor PETROMARK RIG 2 Charge to L.D DRILLING INC
 Elevation 1860 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. 1123
 Date 4/09/12 Sec. 31 Twp. 20 S Range 12 W County BARTON State KS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 5 Interval Tested from 3497 ft. to 3513 ft. Total Depth 3513 ft.
 Packer Depth 3492 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3497 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3500 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3510 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5,000 P.P.M. Drill Pipe Length 3357 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 16 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.OB 10 MINUTES)) WEAK BB 1"
 2nd Open: STRONG (B.O.B 15 MIN.) WEAK BB 1/2"

Recovered 250 ft. of GAS IN PIPE
 Recovered 300 ft. of GO (15%GAS 85%OIL) GRAVITY 38@ 60 DEGREES

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOTAL FLUID REC: 300'(180' IN DRILL PIPE, 120' IN DRILL COLLARS)</u> <u>TOOL GRINDOUT (5%GAS 95%OIL)</u>	
	Total

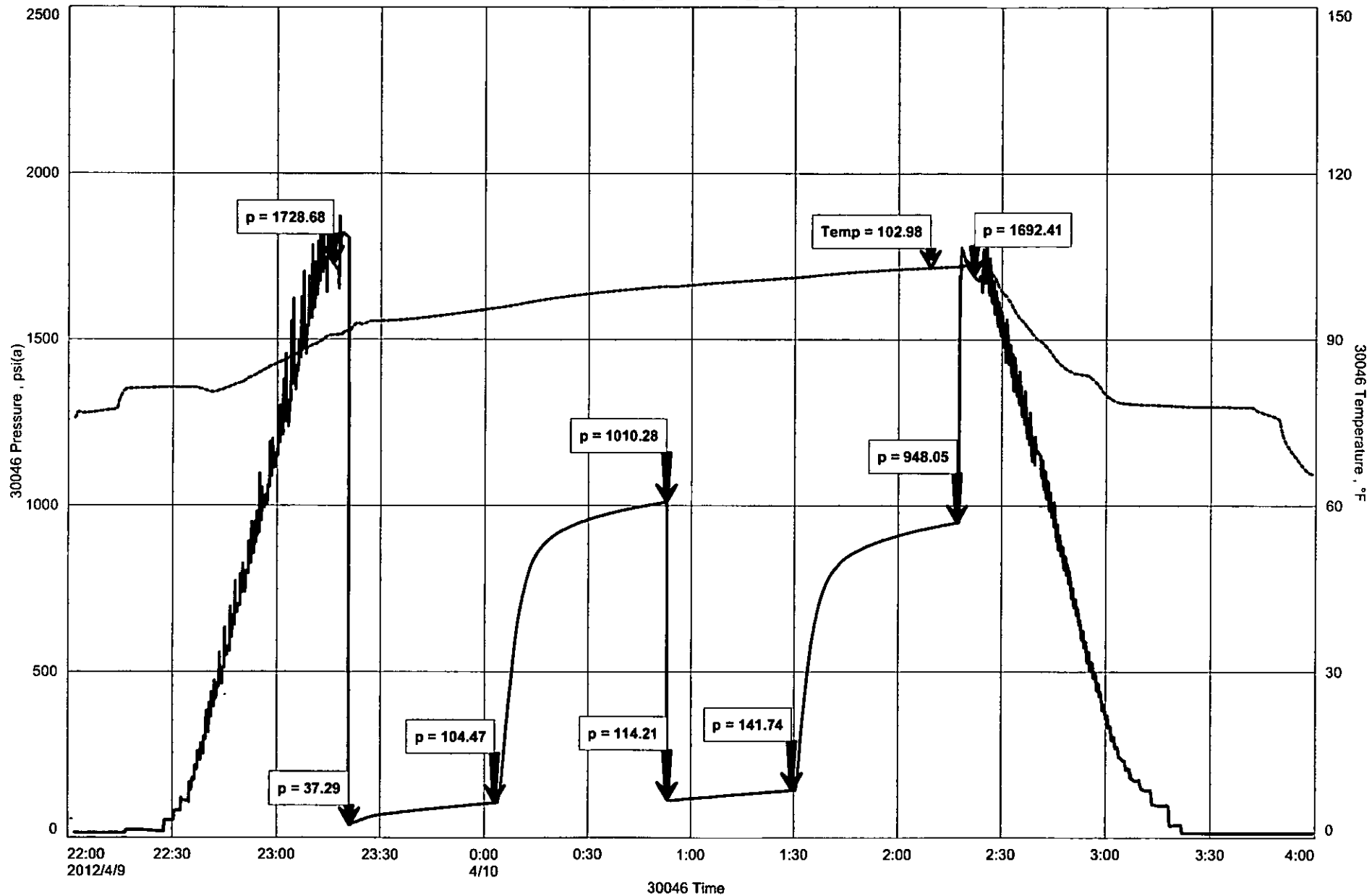
Time Set Packer(s) 5:15 P.M A.M. P.M. Time Started Off Bottom 8:15 A.M A.M. P.M. Maximum Temperature 103
 Initial Hydrostatic Pressure (A) 1728 P.S.I.
 Initial Flow Period Minutes 45 (B) 37 P.S.I. to (C) 104 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1010 P.S.I.
 Final Flow Period Minutes 45 (E) 114 P.S.I. to (F) 142 P.S.I.
 Final Closed In Period Minutes 45 (G) 948 P.S.I.
 Final Hydrostatic Pressure (H) 1692 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.

L D DRILLING INC
Start Test Date: 2012/04/09
Final Test Date: 2012/04/09

BROWN #2
Formation: ARBUCKLE
Job Number: D1023

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

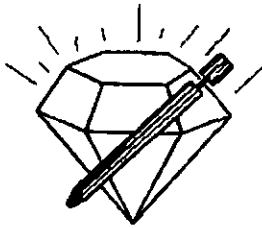
End Date: 2012/04/10 End Time: 07:40:00

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

ON 16:00 04/10/12

OFF 7: 40/10/12

DRILL-STEM TEST TICKET STC/Brown2dst6

Company L.D DRILLING INC Lease & Well No. BROWN #2
 Contractor PETROMARK RIG 2 Charge to L.D DRILLING INC
 Elevation 1860 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticker No. 1124
 Date 4/10/12 Sec. 31 Twp. 20 S Range 12 W County BARTON State KS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 6 Interval Tested from 3513 ft. to 3525 ft. Total Depth 3525 ft.
 Packer Depth 3508 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3513 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3516 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3522 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 10.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 6,000 P.P.M. Drill Pipe Length 3373 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 12 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 17 MINUTES)) WEAK BB
 2nd Open: STRONG (B.O.B 25 MIN.)

Recovered 300 ft. of GAS IN PIPE
 Recovered 280 ft. of GO (20%GAS 80%OIL) GRAVITY 38@ 60 DEGREES

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOTAL FLUID REC: 280'(160' IN DRILL PIPE, 120' IN DRILL COLLARS)</u> <u>TOOL GRINDOUT (10%GAS 90%OIL)</u>	Total

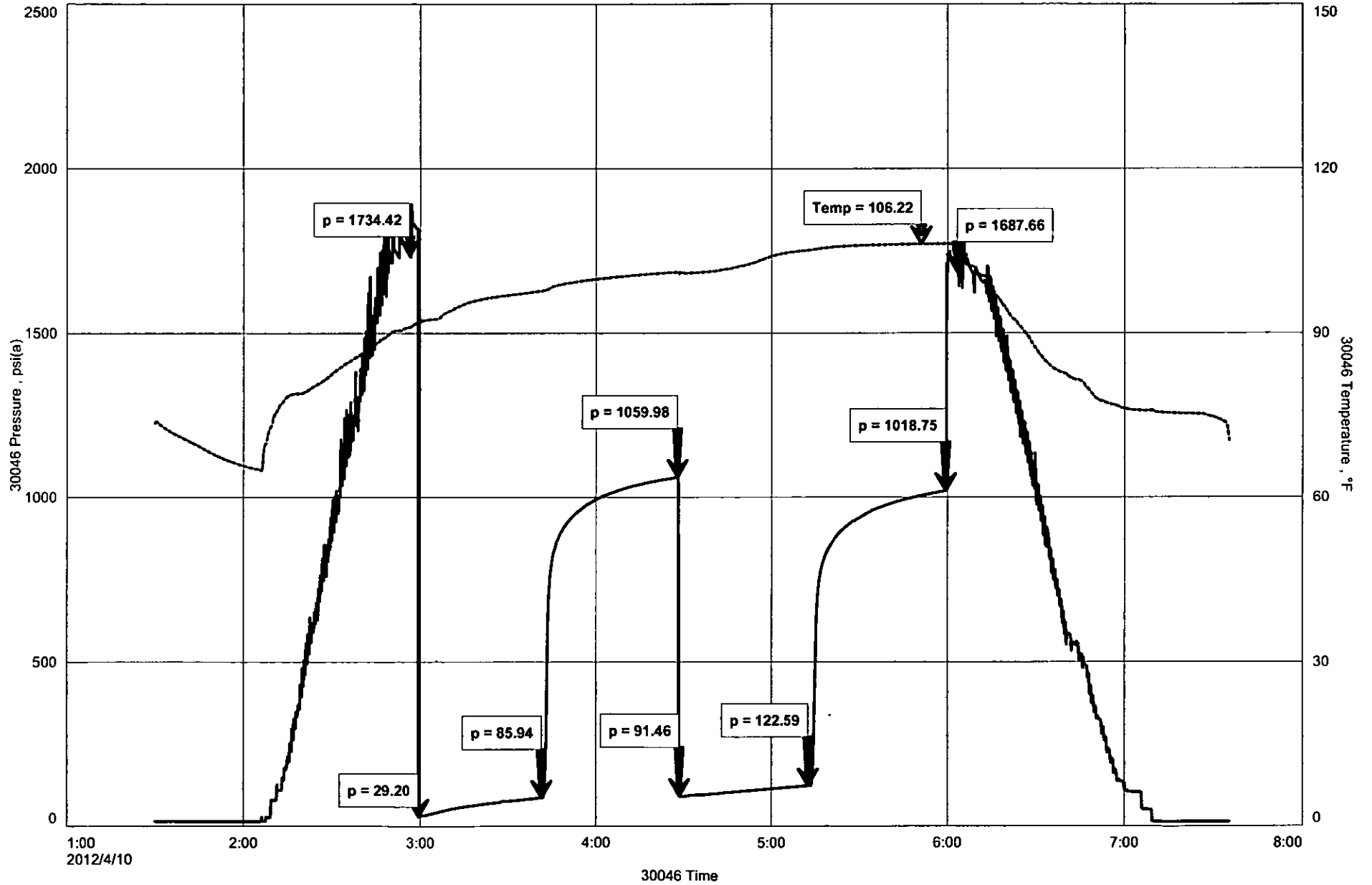
Time Set Packer(s) 3:05 A.M A.M. P.M. Time Started Off Bottom 6:05 A.M A.M. P.M. Maximum Temperature 106
 Initial Hydrostatic Pressure (A) 1734 P.S.I.
 Initial Flow Period Minutes 45 (B) 29 P.S.I. to (C) 86 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1060 P.S.I.
 Final Flow Period Minutes 45 (E) 91 P.S.I. to (F) 122 P.S.I.
 Final Closed In Period Minutes 45 (G) 1019 P.S.I.
 Final Hydrostatic Pressure (H) 1688 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.

L D DRILLING INC
Start Test Date: 2012/04/10
Final Test Date: 2012/04/10

BROWN #2
Formation: ARBUCKLE
Job Number: D1024

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



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
 Clifton, 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			
1861 KB					1862 KB		Structural Relationship		1862 KB		Structural Relationship	
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

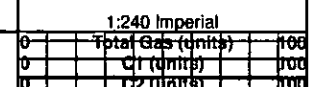
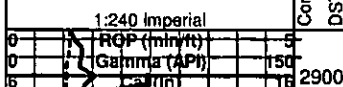
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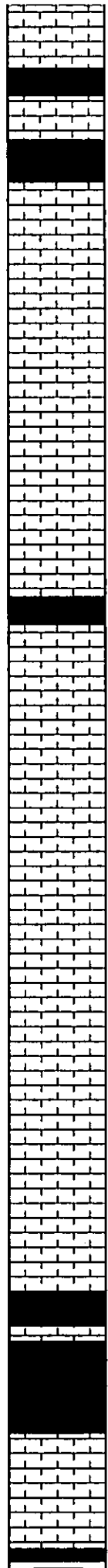
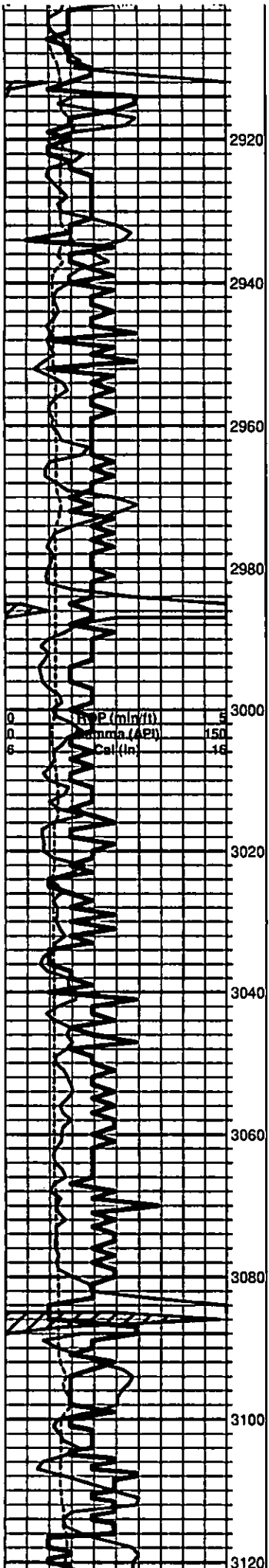
DST

- DST Int
- DST alt
- Core
- tail pipe

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

Curve Track #1		Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	TG, C1 - C5	
ROP (min/ft)	Gamma (API)						Total Gas (units)	
Cal (in)							C1 (units)	
							C2 (units)	
							C3 (units)	
							C4 (units)	





black carboniferous shale

Shale; maroon/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)

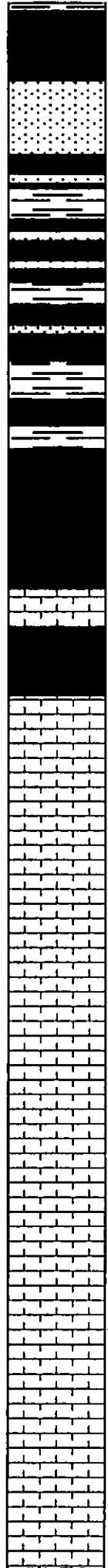
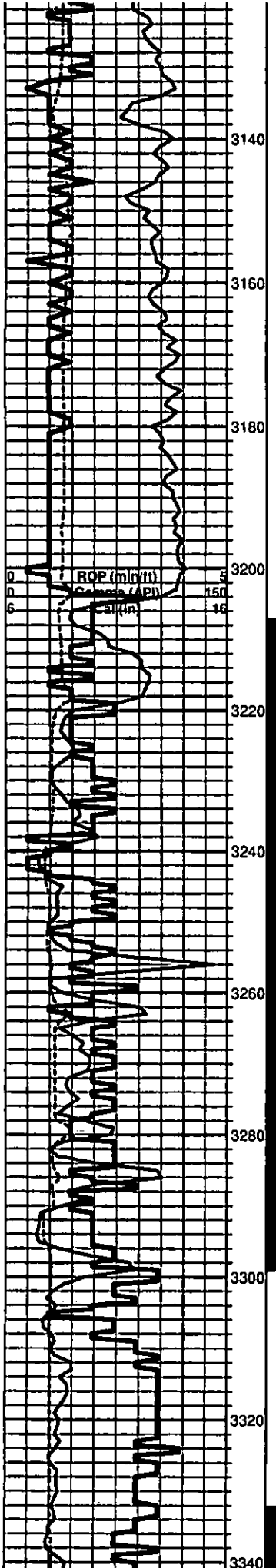
Limestone; cream-white, fine xln, slightly sucrosic, dolomitic in part, no shows

DOUGLAS 3116 (-1255)

0	C3 (units)	100
0	C4 (units)	100

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

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

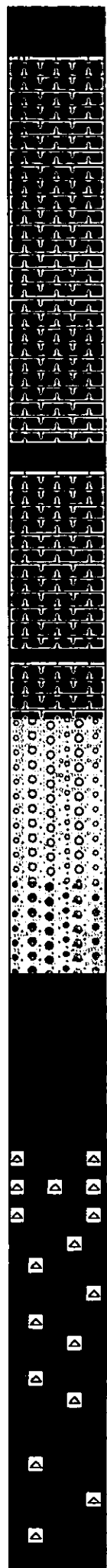
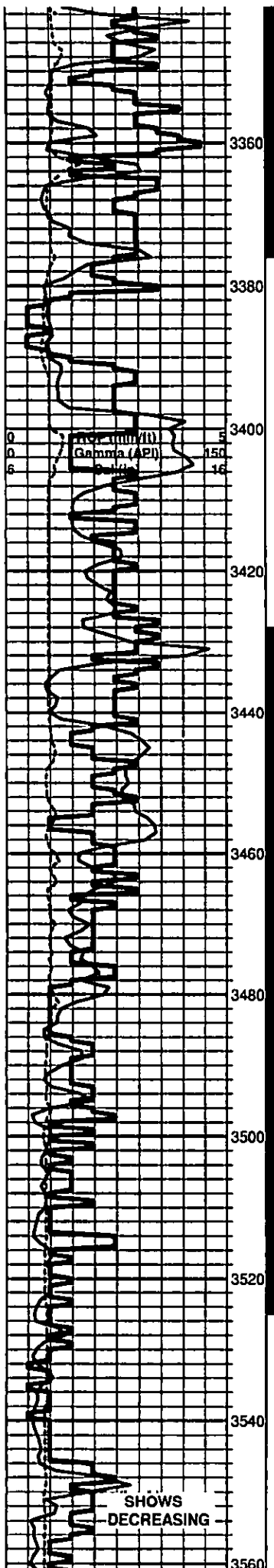
DST #1 3207-3298
30-45-45-60

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-greish 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' sll 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		

