



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1217105  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1217105

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Boyd 2
Doc ID	1217105

All Electric Logs Run

Dual Compensated Porosity
Dual Induction
Microresistivity
Borehole Compensated Sonic

# QUALITY WELL SERVICE, INC.

5982

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	2-28-14	Sec.	34	Twp.	38	Range	13	County	Butler	State	K.S.	On Location	3:30 AM	Finish	7 AM						
Lease	Boyd	Well No.	#2			Location															
Contractor	MINNESOTA					Owner L.B. EXPLORATION															
Type Job	Surface					To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.															
Hole Size	9 5/8		T.D.	356		Charge To L.B. EXPLORATION															
Csg.	8 5/8		Depth	354		Street 2135 2nd Rd															
Tbg. Size			Depth			City Holy Root State K.S.															
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.															
Cement Left in Csg.			Shoe Joint			Cement Amount Ordered <del>330 SKS 60/40 3.2%</del>															
Meas Line			Displace	21.4		330 SKS 60/40 2% Gel 3% CC 1/4 C.F															
<b>EQUIPMENT</b>																					
Pumptrk	6	No.	Seam			Common 165 Used 270 SKS															
Bulktrk	9	No.	Pete			Poz. Mix 105															
Bulktrk		No.				Gel. 5															
Pickup		No.				Calcium 10															
<b>JOB SERVICES &amp; REMARKS</b>																					
Rat Hole						Hulls															
Mouse Hole						Salt															
Centralizers						Flowseal 67.50															
Baskets						Kol-Seal															
D/V or Port Collar						Mud CLR 48															
Back circulation with Mud Pump pumped cement 270 SKS displaced 21.4 BBL Start in						CFL-117 or CD110 CAF 38															
						Sand															
						Handling 345															
cement did circulate to surface						Mileage 15															
						<b>FLOAT EQUIPMENT</b>															
						Guide Shoe															
						Centralizer															
						Baskets															
						AFU Inserts															
						Float Shoe															
						Latch Down															
						LMV 15															
						Service Supervisor															
Pumptrk Charge Surface																					
Mileage 15 x 2																					
										Tax											
										Discount											
										Total Charge											
X Signature <i>Richard A. Long</i>																					

Customer	LB Exploration Inc	Lease No.		Date	3-10-14
Lease	BOYD	Well #	2		
Field Order #	9808	Station	Pratt	Casing	5 1/2
				Depth	4690
Type Job	CNW Long string	Formation	RTD 5120	County	USA/Ber
				State	KS
				Legal Description	34-32-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME							
Casing Size	5 1/2	Tubing Size		Shots/Ft		Acid	150 SKS AA 2	RATE	14CF	PRESS	10% SAH, 3% CFB	ISIP	5 1/2 CML 50
Depth	4690	Depth		From		Pre-Pad	1% GAS 130K	Max	330	F1K	322	5 Min	9, 15 min
Volume	14.4	Volume		From		Pad	75 SKS 6	Min	40	POZ	20% ga	10 Min	
Max Press	1500	Max Press		From		Frac		Avg				15 Min	
Well Connection		Annulus Vol.		From				HHP Used				Annulus Pressure	
Plug Depth	4677.8	Packer Depth		From		Flush	113	Gas Volume				Total Load	

Customer Representative	Michael Peterson	Station Manager	Kevin Gaudin	Treater	Mike Math
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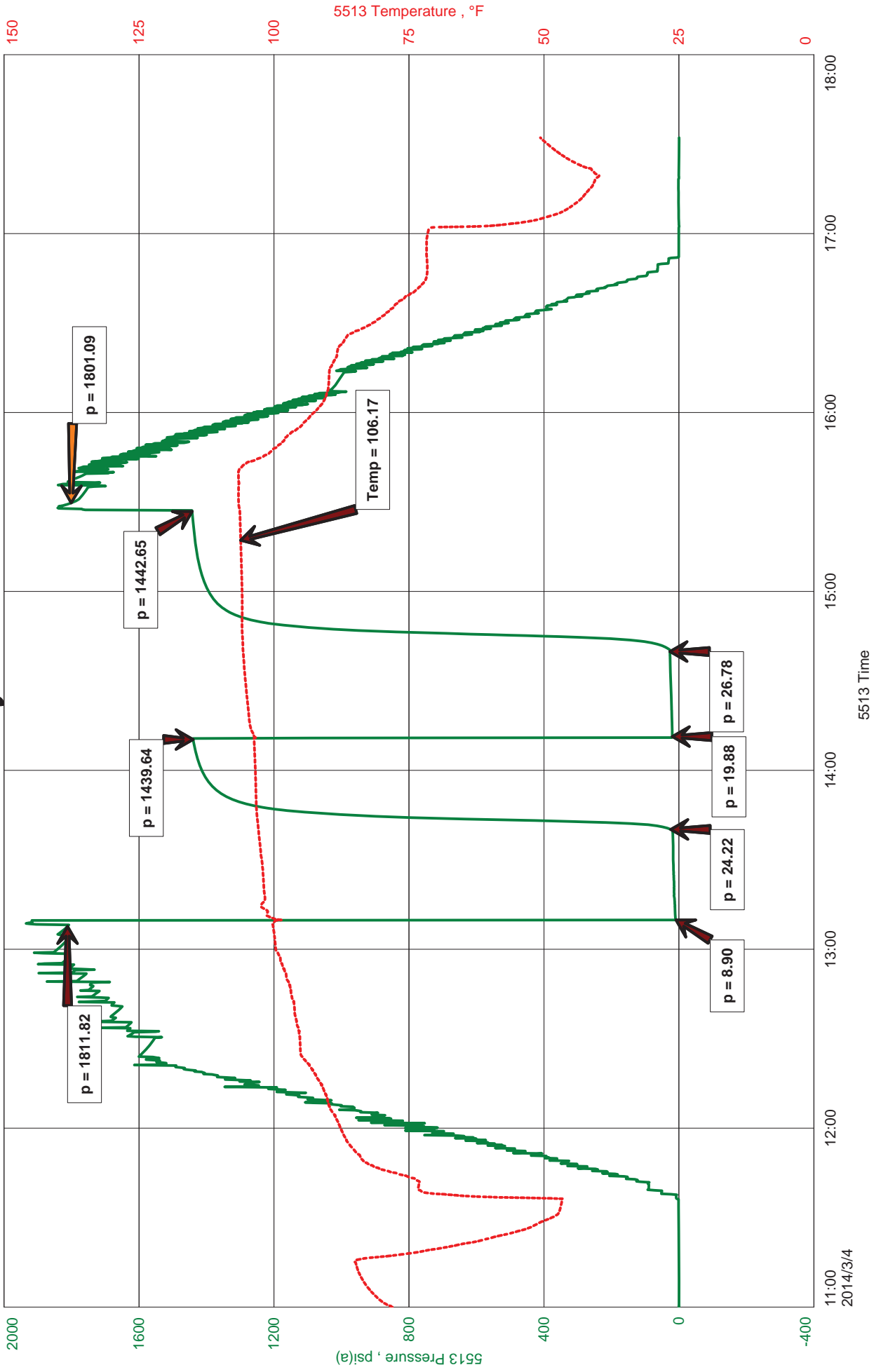
Service Units	37586	77686	19905	19826	19860
Driver Names	MATH	McGraw		HANSON	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:40					ON LOCATION / SAFEX MEETING
10:15					RUN III JTS 5 1/2 14" CASING
					BASKET ON #1 TUBING ON 1,2,3,4,
					6,7,8,11,12,13,14
12:10					CASING ON BOTTOM
12:30					HOOK UP TO CASING / BITUM GIC W RIG
1:47	300		5	4.5	PUMP 5 BBL H2O
1:49	300		12	4.5	PUMP 12 BBL MUD FLUSH
1:51	300		5	4.5	PUMP 5 BBL H2O
1:52	300		6	5	MIX 25 SKS SCUMBER
1:54	300		41	5	MIX 150 SKS AA-2
2:02			4	3	WASH PUMP + LIN. OJOP PLUG
2:06	200			5.5	START DISPLACEMENT 2% KCL
2:21	300		80	5	LIFT PRESSURE
2:24	400		90	5	STOP ROTATING
2:26	400		100	3	SLOW IAN
2:31	900/1500		113		PLUG DOWN PSF TO 1500 RELEASED + HOLD
2:45			7, 5		PLUG CAT + MUD HOLE
					CIL TRIM JOB
					JOB COMPLETE
					THANK YOU
					M, DE MATH

L B Exploration, Inc  
DST #1 Upper Douglas 3891-3931  
Start Test Date: 2014/03/04  
Final Test Date: 2014/03/04

Boyd #2  
Formation: Upper Douglas  
Pool: Wildcat  
Job Number: K093

# Boyd #2





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	L B Exploration, Inc	<b>Job Number</b>	K093
<b>Contact</b>		<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Mike Petermann	<b>Well Operator</b>	L B Exploration, Inc
<b>Unique Well ID</b>	Boyd #2	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	DST #1 Upper Douglas 3891-3931	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	34-32s-13w-Barber	<b>Test Unit</b>	#7
<b>Well Type</b>	Wildcat		
	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Upper Douglas	<b>Well Operator</b>	L B Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/03/04
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2014/03/04	<b>Start Test Time</b>	11:00:00
<b>Final Test Date</b>	2014/03/04	<b>Final Test Time</b>	17:35:00

**Test Results**

**RECOVERED:**

25 Watery Mud, 30% Water, 70% Mud  
 25 TOTAL FLUID

**CHLORIDES: 20000**  
**PH: 9**

**TOOL SAMPLE: Watery Mud**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: boyd2dst1

TIME ON: 11:00 AM  
TIME OFF: 17:35 PM

Company LB Exploration, Inc Lease & Well No. Boyd #2  
Contractor Ninnescah Charge to LB Exploration, Inc.  
Elevation GL 1781 Formation Upper Douglas Effective Pay \_\_\_\_\_ Ft. Ticket No. K093  
Date 3-4-14 Sec. 34 Twp. \_\_\_\_\_ 32 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barber State KANSAS  
Test Approved By Steve Peterman Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 3891 ft. to 3931 ft. Total Depth 3931 ft.  
Packer Depth 3886 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3891 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3879 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3880 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 8.8 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4000 P.P.M. Drill Pipe Length 3866 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 40 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak Blow, Built to 2-1/8", No Blowback  
2nd Open: Weak Blow, Built to 1", No Blowback

Recovered 25 ft. of Watery Mud, 30% Water, 70% Mud  
Recovered 25 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of CHLORIDES: 20000

Recovered _____ ft. of <u>PH: 9</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SAMPLE: Watery Mud</u>	Insurance
	Total

Time Set Packer(s) 1:12 PM A.M. P.M. Time Started Off Bottom 3:27 PM A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1812 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 24 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1440 P.S.I.  
Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 27 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 1443 P.S.I.  
Final Hydrostatic Pressure..... (H) 1801 P.S.I.

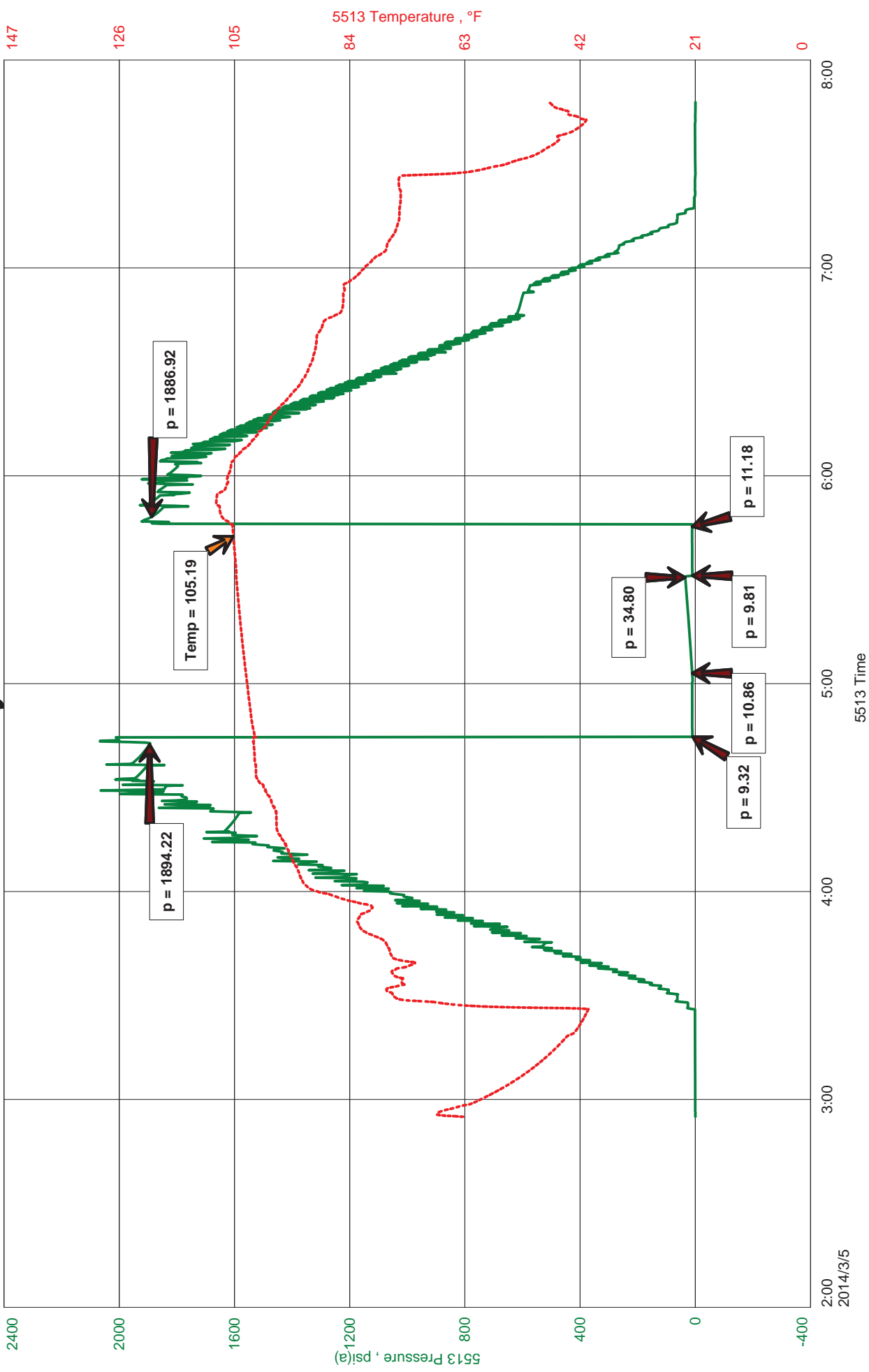
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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



L B Exploration Inc  
DST #2 Lwr Douglas 3995-4018  
Start Test Date: 2014/03/05  
Final Test Date: 2014/03/05

Boyd #2  
Formation: Lwr Douglas  
Pool: Wildcat  
Job Number: K094

# Boyd #2



2:00  
2014/3/5



**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	L B Exploration Inc	<b>Job Number</b>	K094
<b>Contact</b>	Mike Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Boyd #2	<b>Well Operator</b>	L B Exploration Inc
<b>Unique Well ID</b>	DST #2 Lwr Douglas 3995-4018	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	34-32-13 Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Wildcat	<b>Test Unit</b>	#7
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Lwr Douglas	<b>Well Operator</b>	L B Exploration Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/03/05
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2014/03/05	<b>Start Test Time</b>	02:55:00
<b>Final Test Date</b>	2014/03/05	<b>Final Test Time</b>	07:48:00

**Test Results**

**RECOVERED:**

1	Drilling Mud
1	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: boyd2dst2

TIME ON: 2:55 AM  
TIME OFF: 7:48 AM

Company LB Exploration, Inc Lease & Well No. Boyd #2  
Contractor Ninnescah Charge to LB Exploration, Inc.  
Elevation GL 1781 Formation Lower Douglas Effective Pay \_\_\_\_\_ Ft. Ticket No. K094  
Date 3-5-14 Sec. 34 Twp. 32 S Range 13 W County Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 3995 ft. to 4018 ft. Total Depth 4018 ft.  
Packer Depth 3990 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3995 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3983 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3984 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 8.8 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4000 P.P.M. Drill Pipe Length 3970 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 23 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 Surface Blow, No Blowback  
2nd Open: Dead, Pull Tool

Recovered 1 ft. of Drilling Mud  
Recovered 1 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

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

Time Set Packer(s) 4:46 AM A.M. P.M. Time Started Off Bottom 5:46 AM A.M. P.M. Maximum Temperature 105

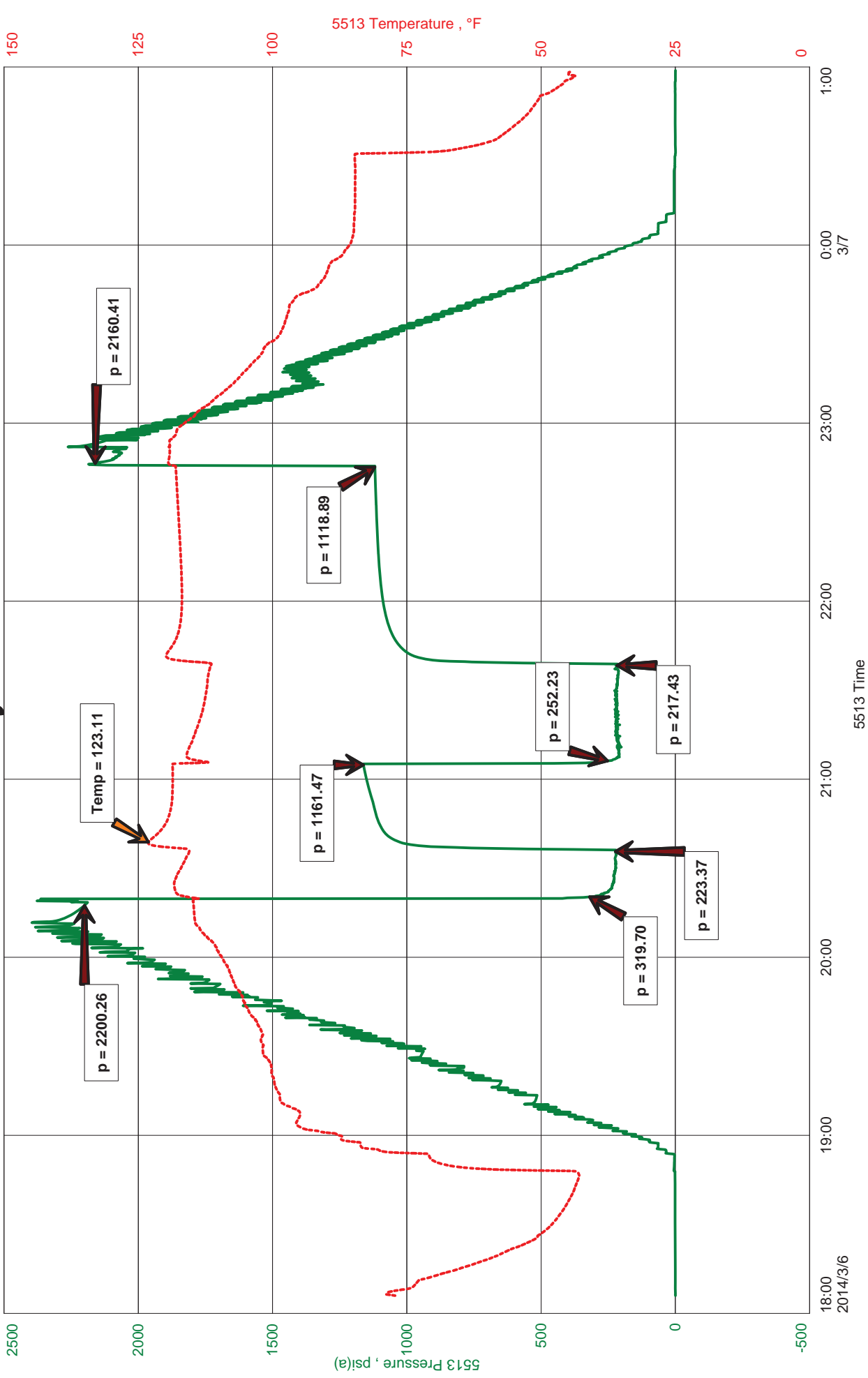
Initial Hydrostatic Pressure..... (A) 1894 P.S.I.  
Initial Flow Period..... Minutes 15 (B) 9 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 35 P.S.I.  
Final Flow Period..... Minutes 15 (E) 10 P.S.I. to (F) 11 P.S.I.  
Final Closed In Period..... Minutes 0 (G) NA P.S.I.  
Final Hydrostatic Pressure..... (H) 1887 P.S.I.

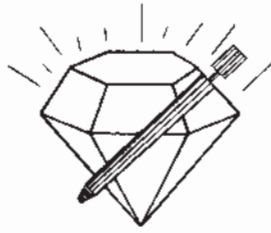
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L B Exploration, Inc  
DST #3 Miss 4517-4582  
Start Test Date: 2014/03/06  
Final Test Date: 2014/03/07

Boyd #2  
Formation: Mississippi  
Pool: Wildcat  
Job Number: K095

# Boyd #2





**DIAMOND TESTING**  
 P. O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (316) 653-7550  
**GAS VOLUME REPORT**

Company L B Exploration, Inc. Lease & Well No. Boyd #2  
 Date 3-6-14 Sec. 34 Twp. 32S Rge. 13W Location \_\_\_\_\_ County Barber State KS  
 Drilling Contractor Ninnescah #101 Formation Mississippi DST No. 3  
 Remarks: Gas to Surface in 3 Minutes

**INITIAL FLOW**

Time O'Clock	Orifice Size	Gauge	CF/D
5 min	1/2 in.	28# in.	222,000
10 min	1/2 in.	40# in.	285,000
15 min	1/2 in.	40# in.	285,000
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

**FINAL FLOW IW**

Time O'Clock	Orifice Size	Gauge	CF/D
10 min	1/2 in.	45# in.	311,000
20 min	1/2 in.	48# in.	326,000
30 min	1/2 in.	48# in.	326,000
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW



**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	L B Exploration, Inc	<b>Job Number</b>	K095
<b>Contact</b>	Mike Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Boyd #2	<b>Well Operator</b>	L B Exploration, Inc
<b>Unique Well ID</b>	DST #3 Miss 4517-4582	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	34-32s-13w-Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Wildcat	<b>Test Unit</b>	#7
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Mississippi	<b>Well Operator</b>	L B Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/03/07
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2014/03/06	<b>Start Test Time</b>	18:06:00
<b>Final Test Date</b>	2014/03/07	<b>Final Test Time</b>	01:00:00

**Test Results**

RECOVERED:

150	Gassy Muddy Oil, 50% Gas, 25% Oil, 25% Mud
150	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: boyd2dst3

TIME ON: 6:06 PM  
TIME OFF: 1:00 AM

Company LB Exploration, Inc Lease & Well No. Boyd #2  
Contractor Ninnescah Charge to LB Exploration, Inc.  
Elevation GL 1758 Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. K095  
Date 3-6-14 Sec. 34 Twp. \_\_\_\_\_ 32 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 3 Interval Tested from 4517 ft. to 4582 ft. Total Depth 4582 ft.  
Packer Depth 4512 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4517 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4505 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4506 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 56 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.5 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 8000 P.P.M. Drill Pipe Length 4492 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 65 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong, BOB in 10 Sec., Gas To Surface in 3 Min., Gaging Gas. No Blowback  
2nd Open: Strong, BOB on Open, Gaging Gas. Blowback Built to 9"

Recovered 150 ft. of Gassy Muddy Oil, 50% Gas, 25% Oil, 25% Mud  
Recovered 150 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

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

Time Set Packer(s) 8:20 PM A.M. P.M. Time Started Off Bottom 10:35 PM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 2200 P.S.I.  
Initial Flow Period..... Minutes 15 (B) 320 P.S.I. to (C) 223 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1161 P.S.I.  
Final Flow Period..... Minutes 30 (E) 252 P.S.I. to (F) 217 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1119 P.S.I.  
Final Hydrostatic Pressure..... (H) 2160 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.

