

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

10/29/12

Operator: License # 5214  
Name: Lario Oil & Gas Company  
Address: 301 S. Market  
City/State/Zip: Wichita, KS 67202  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jay G. Schweikert  
Phone: (316) 265-5611  
Contractor: Name: Val Energy  
License: 5822  
Wellsite Geologist: Jon Christensen

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

7-30-10	8-11-10	9-8-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 063-21854 - 0000  
County: Gove  
N2 SW SE  
NE NE NW Sec. 31 Twp. 13 S. R. 31  East  West  
2266 3009 feet from (S) (NW) (circle one) Line of Section  
1650 3532 feet from (E) (SW) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
GPS-KCC-DG

(circle one) NE SE (NW) SW  
Lease Name: Knapp Well #: 3-31  
Field Name: Wildcat

Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2946' Kelly Bushing: 2955'  
Total Depth: 4850' Plug Back Total Depth: 4681'  
Amount of Surface Pipe Set and Cemented at 251 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2493 Feet  
If Alternate II completion, cement circulated from 2493  
feet depth to surface w/ 350 sx cmt.

**Drilling Fluid Management Plan** SWD N3114-10  
(Data must be collected from the Reserve Pit)  
Chloride content 7,000 ppm Fluid volume 860 bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Jay G. Schweikert  
Title: Jay G. Schweikert, Operations Engineer Date: 8-27-10  
Subscribed and sworn to before me this 29th day of October

20 10 - KATHY L. FORD  
Notary Public - State of Kansas  
My Appt. Expires 10-22-14  
Date Commission Expires: 10-22-14

**KCC Office Use ONLY**

- Letter of Confidentiality Received 10/29/10 - 10/29/12
- If Denied, Yes  Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

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Operator Name: Lario Oil & Gas Company Lease Name: Knapp Well #: 3-31  
 Sec. 31 Twp. 13 S. R. 31  East  West County: Gove

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3930	-979
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3974	-1023
List All E. Logs Run:		Hushpuckney	4255	-1304
		Base KC	4297	-1346
		Pawnee	4423	-1472
		Ft. Scott	4454	-1503
		Morrow	4575	-1624
		Mississippian	4602	-1651

CDL/CNL/PE/DIL/MEL/SONIC

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
surface	12 1/4"	8 5/8"	23#	251'	Common	190	2% gel, 3% cc
production		5 1/2"	14#	4721'	AA2	200	10# salt, 6% FLA, 5# gl, 25% DF
DV tool				2493'	ACON Lite	350	1/4# Floseal

ADDITIONAL CEMENTING / SQUEEZE RECORD Prem, Plus 75 sx				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
		5500 gal 20% FE +165 gal S-3000 anti-sludge, 5.5 gal feno,	
		5.5 gal Al-150 acid inhibitor, 6 gal S-262 scale inhibitor	4850' - 4721'

TUBING RECORD	Size 2 7/8"	Set At 4692'	Packer At 4687'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. 10-29-10 First Injection SWD	Producing Method <input type="checkbox"/> Flowing <input 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
		0			

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
Fax: (785) 483-5566

# INVOICE

Invoice Number: 123813  
Invoice Date: Jul 30, 2010  
Page: 1 KCC

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**Bill To:**  
Lario Oil & Gas Co.  
P.O. Box 1093  
Garden City, KS 67846

AFE 10192 drilling  
8-5-10 LK

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lario	Knapp #3-31	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 30, 2010	8/29/10

Quantity	Item	Description	Unit Price	Amount
190.00	MAT	Class A Common	15.45	2,935.50
4.00	MAT	Gel	20.80	83.20
7.00	MAT	Chloride	58.20	407.40
201.00	SER	Handling	2.40	482.40
201.00	SER	Handling Mileage Charge	1.00	201.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Pump Truck Mileage	7.00	140.00
1.00	EQP	8.5/8 Plug	68.00	68.00

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Accounting File  
GC  
KG  
HY  
PV  
OD

AUG 09 2010

DB  
MM  
DM

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1333.87

ONLY IF PAID ON OR BEFORE  
Aug 24, 2010

Subtotal	5,335.50
Sales Tax	281.28
Total Invoice Amount	5,616.78
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,616.78</b>

# ALLIED CEMENTING CO., LLC. 038960

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REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley KS

DATE 7-30-10	SEC. 31	TWP. 13	RANGE 31	CALLED OUT	ON LOCATION 10:00pm	JOB START 10:30pm	JOB FINISH 11:00pm
LEASE K-APP	WELL# 3-31		LOCATION <u>Oakley 205-26-31 2N</u>		COUNTY Gove	STATE KS	
OLD OR <u>NEW</u> (Circle one)			<u>ed n</u>				

CONTRACTOR Unit #4  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 253'  
 CASING SIZE 8 5/8 DEPTH 252'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 15.0

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 190 com 30% gel  
29% gel

EQUIPMENT  
 PUMP TRUCK CEMENTER Fuzzy  
 # 431 HELPER Kelly  
 BULK TRUCK  
 # 394 DRIVER Serry  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>190</u>	@	<u>15.45</u>	<u>2935.50</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20.89</u>	<u>83.56</u>
CHLORIDE	<u>7</u>	@	<u>58.29</u>	<u>407.43</u>
ASC		@		
HANDLING	<u>201</u>	@	<u>2.49</u>	<u>500.49</u>
MILEAGE		@		<u>200.00</u>
TOTAL				<u>4109.50</u>

REMARKS:

cement did circulate  
Approved S B&S

AS per bid  
plus 30% extra  
cement

SERVICE

Jobs complete @ 11:15 am

Thanks Fuzzy & crew

DEPTH OF JOB	<u>252'</u>		
PUMP TRUCK CHARGE			<u>1018.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>20</u>	@	<u>7.00</u>
MANIFOLD		@	
		@	
		@	

TOTAL 1158.00

CHARGE TO: Lario Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

Bid

EQUIPMENT  
 TO BE PAID IN 30 DAYS



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PAGE 1 of 1	CUST NO 1002301	INVOICE DATE 08/13/2010
INVOICE NUMBER 1717 - 90383478		

Liberal (620) 624-2277  
 B LARIO OIL & GAS  
 I PO Box: 1093  
 L GARDEN CITY  
 L KS US 67846  
 T  
 O ATTN:

J LEASE NAME Knapp #3-31 AFE-10-192  
 O LOCATION *Drilling*  
 B COUNTY Gove  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

*AK 8/17/10*

JOB # 40217585	EQUIPMENT # 30464	PURCHASE ORDER NO.	TERMS Net - 30 days	DUE DATE 09/12/2010
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**For Service Dates: 08/12/2010 to 08/12/2010**

0040217585

171700942A Cement-New Well Casing/Pi 08/12/2010  
 5 1/2" - 2stage Longstring

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
AA2 Cement	200.00	EA	10.59	2,117.28 T
A-Con Blend	300.00	EA	10.82	3,245.72 T
Premium Plus Cement	100.00	EA	9.48	948.12 T
Salt	1,005.00	EA	0.29	292.29 T
Gilsonite	1,000.00	EA	0.39	389.72 T
CAF 38 Defoamer	47.00	EA	4.07	191.37 T
FLA-115	113.00	EA	8.73	985.93 T
WCA-1	109.00	EA	14.54	1,585.05 T
Celloflake	169.00	EA	2.15	363.72 T
Calcium Chloride	1,811.00	EA	0.61	1,106.07 T
Cement Shoe Packer - 5 1/2"	1.00	EA	2,152.18	2,152.18
Basket - 5 1/2"	1.00	EA	168.68	168.68
Latch Down Plug & Assembly - 5 1/2"	1.00	EA	494.42	494.42
Centralizer - 5 1/2"	16.00	EA	63.98	1,023.74
Two Stage Cement Collar - 5 1/2"	1.00	EA	3,548.18	3,548.18
Threadlock Compound Kit	1.00	EA	19.78	19.78
Super Flush II	500.00	EA	0.89	444.98 T
Heavy Equipment Mileage	400.00	MI	4.07	1,628.67
Blending & Mixing Service Charge	875.00	MI	0.81	712.55
Proppant and Bulk Delivery Charge	4,115.00	MI	0.93	3,829.70
Depth Charge; 4001' - 5000'	1.00	EA	1,465.81	1,465.81
Plug Container Charge	1.00	EA	145.42	145.42
Service Supervisor Charge	1.00	HR	101.79	101.79
Car, Pickup or Van Mileage	100.00	MI	2.47	247.21

*all OK*

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IS	DB
BY	MB
BV	DM
CD	
US	KF
GV	SF

AUG 19 2010

PLEASE REMIT TO: BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	SEND OTHER CORRESPONDENCE TO: BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702	SUB TOTAL TAX INVOICE TOTAL	27,208.38 939.46 28,147.84
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**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 00942 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

8-17

DATE OF JOB: 8-11-10 DISTRICT: Liberal KCC

CUSTOMER: Lario J. I & Gas

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_

AUTHORIZED BY: Jerry Bennett

NEW WELL  OLD WELL  PROD  INJ  WDW  CUSTOMER ORDER NO.: \_\_\_\_\_

LEASE: Knapp WELL NO: 3-91

COUNTY: Gove STATE: KS

SERVICE CREW: Accington/Olds

JOB TYPE: Z42 5 1/2 Two stage Long string

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EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
30464	16	27538	16			8-11-10	8-11-10	AM	17:00
19919	16	19553	16				8-11-10	AM	20:30
19822	16	19331	16				8-12-10	AM	2:37
19823	16	19862	16				8-12-10	AM	12:27
19805	16							AM	13:00
19808	16								
									MILES FROM STATION TO WELL 100

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: Curtis D. Hill  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL 105	AA2 Cement	SK	200		3640.00
CL 101	A-Con Blend	SK	575	300	5580.00
CL 110	Premium Plus Cement	SK	100		1630.00
CC 111	Salt	lb	1005		502.50
CC 201	Gilsonite	lb	1000		670.00
CC 107	CAF 38 Defoamer	lb	47		329.00
CC 124	FLA-115	lb	113		1695.00
CC 130	WCA-1	lb	109		2725.00
CC 102	Cellulofluka	lb	169		1025.30
CC 129	Calcium Chloride	lb	1811		1901.55
CF 1001	Cementing Shoe Packer Type 5 1/2	EA	1		3700.00
CF 1901	5 1/2 Basket	EA	1		290.00
CF 601	5 1/2 Latch Down Plug & Assembly	EA	1		850.00
CF 1771	Centralizer 5 1/2 x 7 1/2	EA	16		1760.00
CF 401	Two stage Cement Collar 5 1/2	EA	1		6100.00
CF 3000	Industrial Rubber Thread Lock Kit	EA	1		34.00
CC 155	Super Flush II	gal	500		765.00
E101	Heavy Equipment Mileage	Mi	400		2500.00
CF 240	Blending & Mixing	SK	875		1225.00
				SUB TOTAL	27,202.38

CHEMICAL / ACID DATA:			

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SERVICE & EQUIPMENT  
MATERIALS

%TAX ON \$  
%TAX ON \$

TOTAL

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SERVICE REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer/Lease <i>Lario J. &amp; Co</i>	Lease No.	Date <i>8-11-10</i>	
Lease <i>Knapp</i>	Well # <i>3-31</i>		
Field Order # <i>11772142</i>	Station <i>Liberal</i>	Casing <i>5 7/8 17#</i>	Depth <i>4716</i>
Type Job <i>242 5/8 Two Stage Longstring</i>	Formation	County <i>Gov</i>	State <i>Ks</i>
		Legal Description <i>31-13-31</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>2 1/2 17#</i>				Pre Pad	Max		<b>KCC</b>	
Depth <i>4716</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>111</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		<b>CONFIDENTIAL</b> Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth	Packer Depth	From	To					

Customer Representative	Station Manager <i>Jerry Bennett</i>	Treater <i>Juan Aronstein</i>
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Service Units	<i>30464</i>	<i>19919</i>	<i>19922</i>	<i>19983</i>	<i>19405</i>	<i>19808</i>	<i>19831</i>	<i>19862</i>	<i>27996</i>	<i>19257</i>	<i>14920</i>
Driver Names	<i>R. Olds</i>	<i>V. Vasquez</i>	<i>R. Martinez</i>	<i>Edmundo</i>	<i>T. G. Leon</i>	<i>J. Aronstein</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>20:30</i>					<i>On Loc.</i>
<i>21:20</i>					<i>Trucks on Loc</i>
<i>21:35</i>					<i>Safety Meeting</i>
<i>21:40</i>					<i>Rig up</i>
<i>2:37</i>	<i>1800</i>	<i>-</i>	<i>2</i>	<i>1</i>	<i>Set Packer Loc</i>
<i>2:45</i>					<i>Circ w/Rig</i>
<i>6:40</i>					<i>Test Lines to 2500 PSI</i>
<i>6:43</i>	<i>400</i>		<i>5</i>	<i>4</i>	<i>Pump H<sub>2</sub>O Pad</i>
<i>6:44</i>	<i>400</i>		<i>12</i>	<i>4</i>	<i>Pump 500 gal Super Flow</i>
<i>6:47</i>	<i>400</i>		<i>5</i>	<i>4</i>	<i>Pump H<sub>2</sub>O Pad</i>
<i>6:49</i>	<i>400</i>		<i>20</i>	<i>4</i>	<i>Pump 300 K AAZ @ 15#</i>
<i>7:04</i>					<i>Drop Plug</i>
<i>7:08</i>	<i>250</i>		<i>-</i>	<i>6</i>	<i>Start Disc w/H<sub>2</sub>O</i>
<i>7:16</i>	<i>250</i>		<i>60</i>	<i>5</i>	<i>Cont. Disc w/mud</i>
<i>7:26</i>	<i>750</i>		<i>101</i>	<i>2.75</i>	<i>Reduce Rate</i>
<i>7:27</i>	<i>1500</i>		<i>111</i>		<i>Leak Plug</i>
<i>7:30</i>					<i>Release Pressure, Plug Hold</i>
<i>7:35</i>					<i>Drop opening tool</i>
<i>7:55</i>	<i>100</i>		<i>10</i>	<i>2</i>	<i>Open DV Tool</i>
<i>8:00</i>					<i>Circ w/Rig</i>
<i>11:06</i>	<i>0</i>	<i>0</i>	<i>10</i>	<i>2</i>	<i>Plug RH, MH</i>
<i>11:18</i>	<i>200</i>		<i>165</i>	<i>6</i>	<i>Pump 300 K A-Con @ 11.2</i>

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ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET CONT.

TICKET NO. 171700942

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 113	Proppant Bulk Delivery	tm	4115		6584.00
CE 205	Depth Charge 400'-500'	4hrs	1		2520.00
CE 504	Plus Container	job	1		250.00
S003	Service Supervisor	hr	1		175.00
F 100	Pick up Mileage	Mi	100		425.00

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# JOB LOG CONT

TICKET #

TICKET DATE

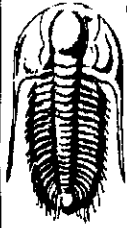
17170094 2

8-11-10

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press. (PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	11:58	6	23		350			Pump 100sk Premium Plus @ 14.8rt
	12:11	5	-		300			Start Disp
	12:20	4	50		550			Reduce Rate
	12:23				2000			Land Plug
	12:25							Release Press. Flow Back 3 BBL
	12:26	4.5	3		2500			Press upon Plug
	12:27							Release Press. DV Tool Held
	12:30							Rig down
	13:00							Leave Loc.

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**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Lario Oil & Gas Company  
 301 S. Market  
 Wichita, KS 67202  
 ATTN: Jon Christensen

**Knapp #3-31**  
**S.31-13-31 Gove, KS**  
 Job Ticket: 39591 **DST#: 5**  
 Test Start: 2010.08.09 @ 13:28:00

**GENERAL INFORMATION:**

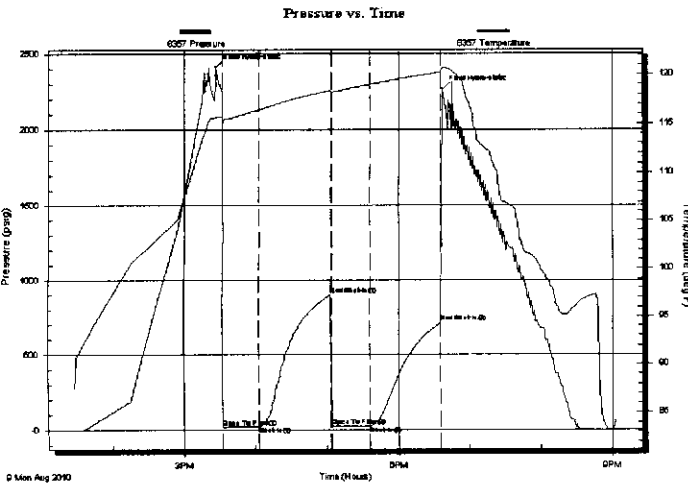
Formation: **Johnson**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 15:32:48  
 Time Test Ended: 21:03:06  
**Interval: 4508.00 ft (KB) To 4574.00 ft (KB) (TVD)**  
 Total Depth: 4574.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

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Test Type: Conventional Bottom Hole  
 Tester: Chuck Smith  
 Unit No: 37  
 Reference Elevations: 2951.00 ft (KB)  
 2946.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8357** **Inside**  
 Press@RunDepth: 25.62 psig @ 4512.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.08.09 End Date: 2010.08.09 Last Calib.: 2010.08.09  
 Start Time: 13:28:05 End Time: 21:03:06 Time On Btm: 2010.08.09 @ 15:27:06  
 Time Off Btm: 2010.08.09 @ 18:37:12

**TEST COMMENT:** IF: 1/4" Blow died @ 23 min.  
 IS: No return.  
 FF: No blow.  
 FSI: No return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2409.66	115.66	Initial Hydro-static
6	21.96	114.86	Open To Flow (1)
37	23.47	116.42	Shut-in(1)
97	902.78	118.36	End Shut-in(1)
97	24.82	118.02	Open To Flow (2)
129	25.62	118.99	Shut-in(2)
189	711.32	120.23	End Shut-in(2)
191	2265.45	120.71	Final Hydro-static

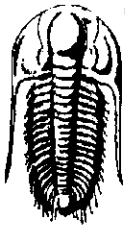
**Recovery**

Length (ft)	Description	Volume (bbl)
20.00	OSM 100%M	0.28

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

**Knapp #3-31**

301 S. Market  
Wichita, KS 67202

**S.31-13-31 Gove, KS**

Job Ticket: 39591

**DST#: 5**

ATTN: Jon Christensen

Test Start: 2010.08.09 @ 13:28:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	OSM 100%M	0.281

Total Length: 20.00 ft      Total Volume: 0.281 bbf

Num Fluid Samples: 0

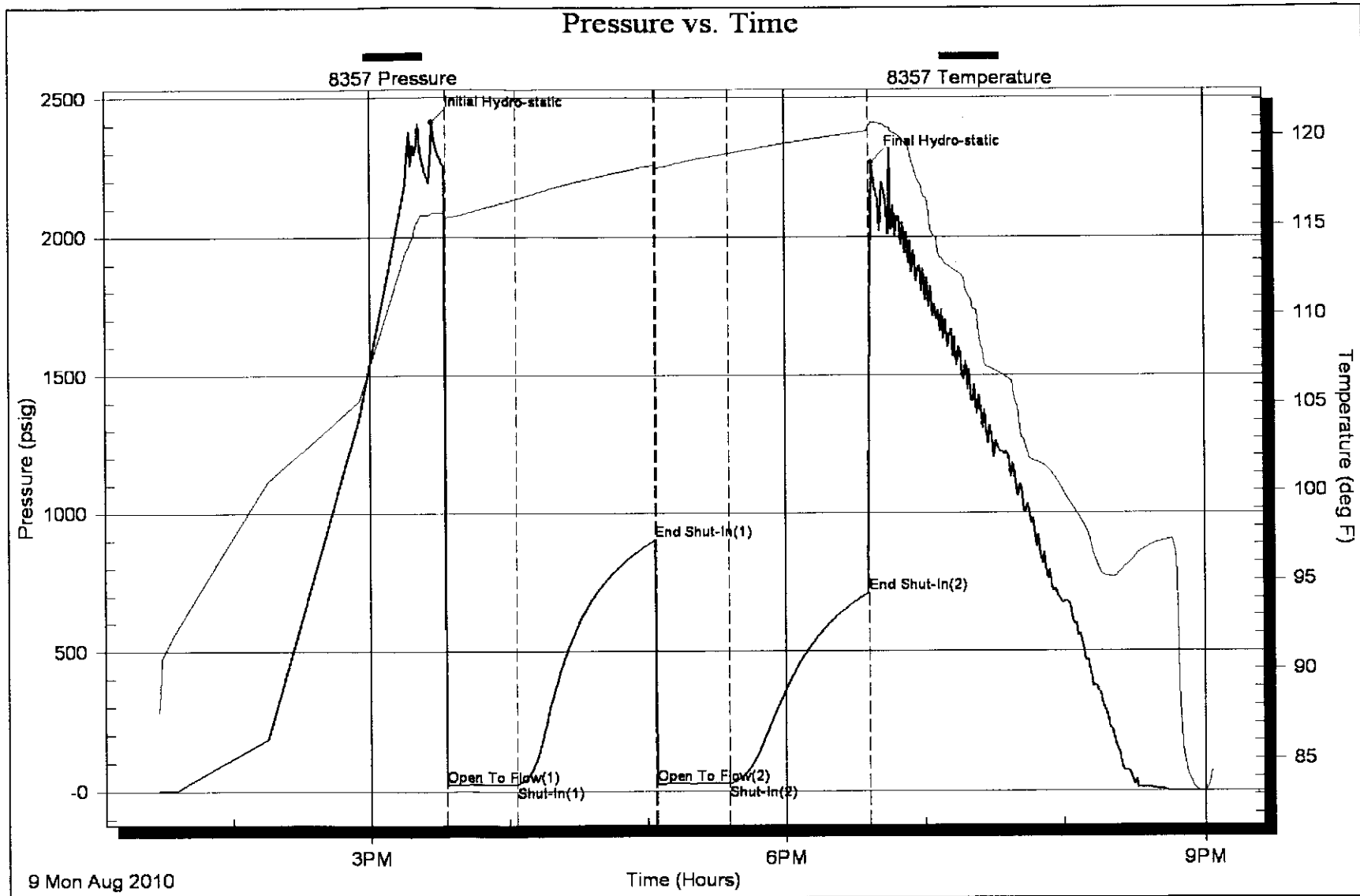
Num Gas Bombs: 0

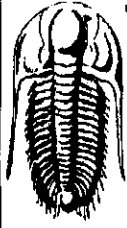
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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# DRILL STEM TEST REPORT

Lario Oil & Gas Company  
301 S. Market  
Wichita, KS 67202  
ATTN: Jon Christensen

**Knapp #3-31**  
**S.31-13-31 Gove, KS**  
Job Ticket: 39590      **DST#: 4**  
Test Start: 2010.08.08 @ 15:38:00

## GENERAL INFORMATION:

Formation: **Ft. Scott/Cherokee L**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 17:51:00  
Time Test Ended: 00:43:42

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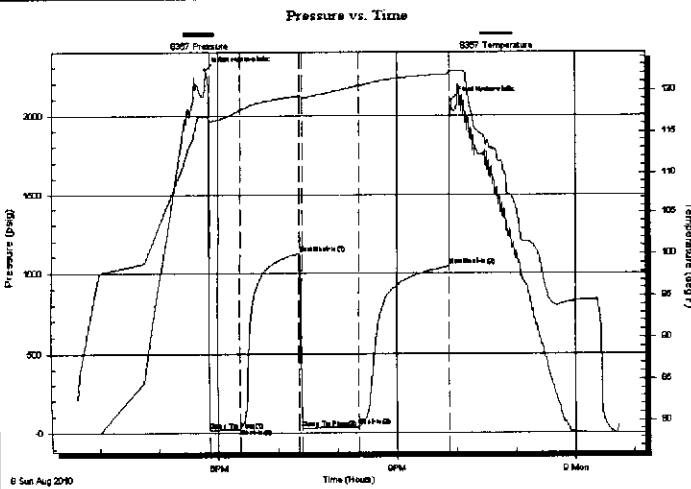
Test Type: Conventional Bottom Hole  
Tester: Chuck Smith  
Unit No: 37

Interval: **4446.00 ft (KB) To 4509.00 ft (KB) (TVD)**  
Total Depth: 4509.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2951.00 ft (KB)  
2946.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8357**      **Inside**  
Press@RunDepth: 39.57 psig @ 4450.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.08.08      End Date: 2010.08.09      Last Calib.: 2010.08.09  
Start Time: 15:38:05      End Time: 00:43:42      Time On Btm: 2010.08.08 @ 17:46:48  
Time Off Btm: 2010.08.08 @ 21:54:17

**TEST COMMENT:** IF: 2 1/2" Blow  
IS: No return.  
FF: 1" Blow.  
FS: No return.



## PRESSURE SUMMARY

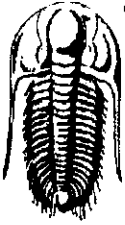
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2282.59	116.76	Initial Hydro-static
5	17.41	115.88	Open To Flow (1)
35	27.71	117.56	Shut-In(1)
95	1123.05	119.26	End Shut-In(1)
97	31.90	119.01	Open To Flow (2)
155	39.57	120.54	Shut-In(2)
246	1042.08	121.86	End Shut-In(2)
248	2092.08	122.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .235 @ 80 Degrees F = 27000 PPM	0.00
10.00	O 100%O	0.14
45.00	OSWM 15%W 85%M	0.63

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Lario Oil & Gas Company  
301 S. Market  
Wichita, KS 67202  
ATTN: Jon Christensen

**Knapp #3-31**  
**S.31-13-31 Gove, KS**  
Job Ticket: 39590      **DST#: 4**  
Test Start: 2010.08.08 @ 15:38:00

**Mud and Cushion Information**

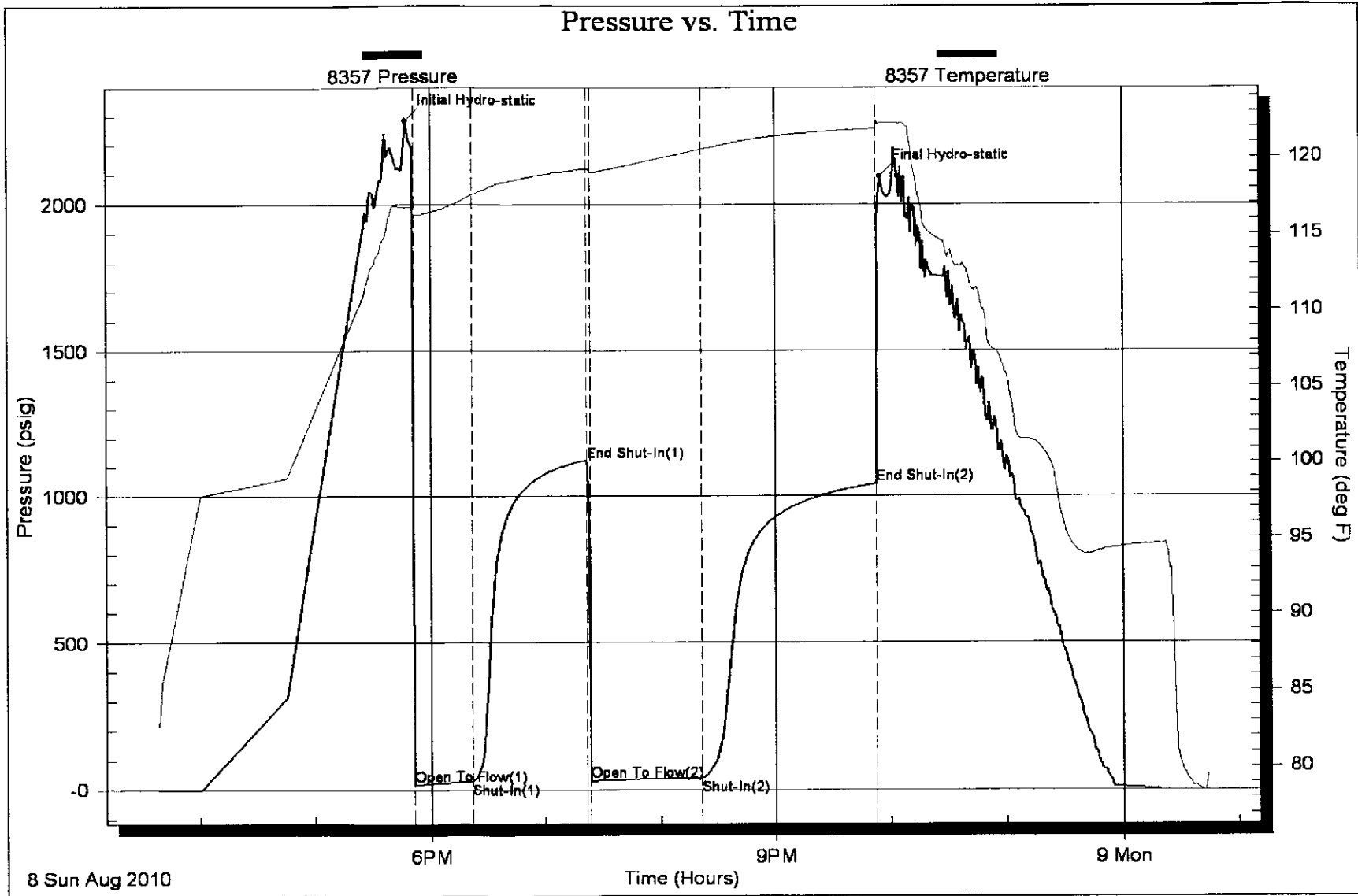
Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 27000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

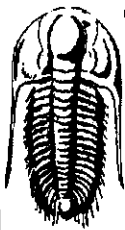
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .235 @ 80 Degrees F = 27000 PPM	0.000
10.00	O 100%O	0.140
45.00	OSWM 15%W 85%M	0.631

Total Length: 55.00 ft      Total Volume: 0.771 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: API:31 @ 80 Degrees F = 29.





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# DRILL STEM TEST REPORT

Lario Oil & Gas Company

**Knapp #3-31**

301 S. Market  
Wichita, KS 67202

**S.31-13-31 Gove, KS**

Job Ticket: 39588

**DST#: 3**

ATTN: Jon Christensen

Test Start: 2010.08.07 @ 03:03:00

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## GENERAL INFORMATION:

Formation: **LKC 'K'**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 05:02:12  
Time Test Ended: 10:28:12

Test Type: **Conventional Bottom Hole**  
Tester: **Chuck Smith**  
Unit No: **37**

Interval: **4218.00 ft (KB) To 4238.00 ft (KB) (TVD)**  
Total Depth: **4238.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2951.00 ft (KB)**  
**2946.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

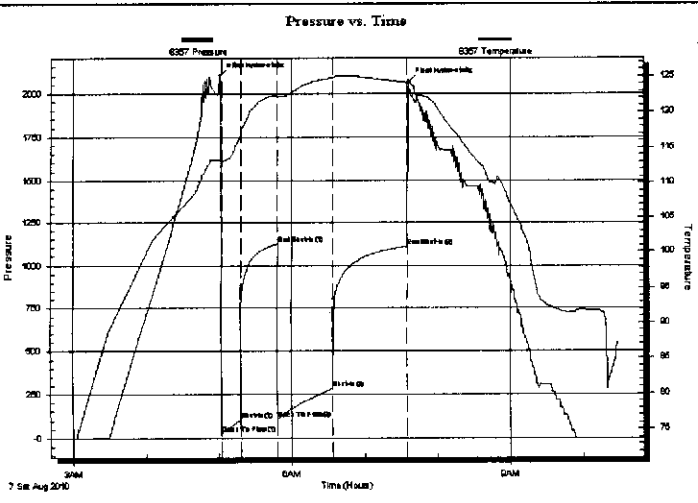
## Serial #: 8357

**Inside**

Press@RunDepth: **286.61 psig @ 4222.00 ft (KB)**  
Start Date: **2010.08.07** End Date: **2010.08.07**  
Start Time: **03:03:05** End Time: **10:28:12**

Capacity: **8000.00 psig**  
Last Calib.: **2010.08.07**  
Time On Btm: **2010.08.07 @ 05:00:54**  
Time Off Btm: **2010.08.07 @ 07:36:06**

TEST COMMENT: **IF: B.O.B. @ 10 min.**  
**IS: No return.**  
**FF: B.O.B. @ 13 min.**  
**FS: No return.**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.65	113.24	Initial Hydro-static
2	27.30	112.30	Open To Flow (1)
18	105.95	116.93	Shut-In(1)
47	1121.75	122.34	End Shut-In(1)
48	111.23	122.03	Open To Flow (2)
93	286.61	124.69	Shut-In(2)
154	1107.69	124.07	End Shut-In(2)
156	2064.39	124.32	Final Hydro-static

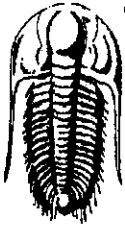
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .135 @ 83 Degrees F = 47000 PPM	0.00
1.00	Oil 100%O	0.01
186.00	OSMW 15%M 85%W	2.61
402.00	MW 5%M 95%W	5.64
0.00	0 Feet GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





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**FLUID SUMMARY**

Lario Oil & Gas Company

**Knapp #3-31**

301 S. Market  
Wichita, KS 67202

**S.31-13-31 Gove, KS**

Job Ticket: 39588

**DST#: 3**

ATTN: Jon Christensen

Test Start: 2010.08.07 @ 03:03:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

47000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .135 @ 83 Degrees F = 47000 PPM	0.000
1.00	Oil 100%O	0.014
186.00	OSMW 15%M 85%W	2.609
402.00	MW 5%M 95%W	5.639
0.00	0 Feet GIP	0.000

Total Length: 589.00 ft

Total Volume: 8.262 bbl

Num Fluid Samples: 0

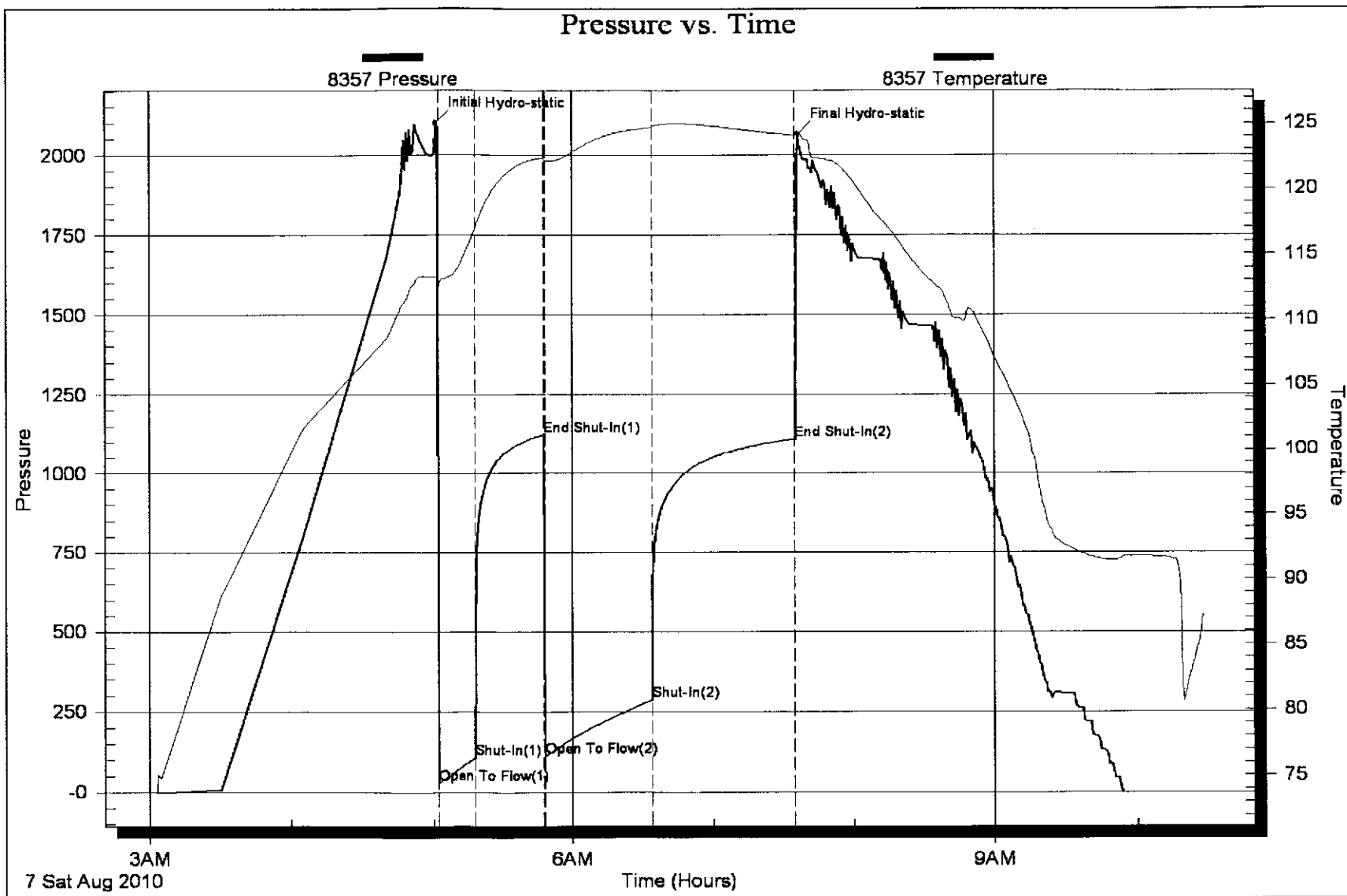
Num Gas Bombs: 0

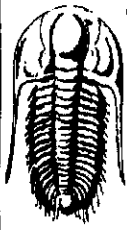
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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# DRILL STEM TEST REPORT

Lario Oil & Gas Company

**Knapp #3-31**

301 S. Market  
Wichita, KS 67202

**S.31-13-31 Gove, KS**

Job Ticket: 39587

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2010.08.06 @ 06:32:00

## GENERAL INFORMATION:

Formation: **LKC 'I'**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 09:04:06  
 Time Test Ended: 15:13:35

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Test Type: **Conventional Bottom Hole**  
 Tester: **Chuck Smith**  
 Unit No: **37**

Interval: **4162.00 ft (KB) To 4197.00 ft (KB) (TVD)**  
 Total Depth: **4197.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2951.00 ft (KB)**  
**2946.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

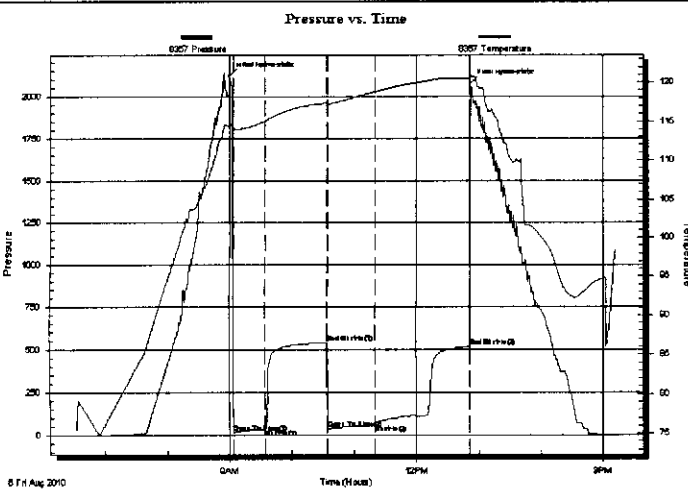
## Serial #: 8357

**Inside**

Press@RunDepth: **63.81 psig @ 4169.00 ft (KB)**  
 Start Date: **2010.08.06** End Date: **2010.08.06**  
 Start Time: **06:32:05** End Time: **15:13:36**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.08.06**  
 Time On Btm: **2010.08.06 @ 09:00:06**  
 Time Off Btm: **2010.08.06 @ 12:52:12**

TEST COMMENT: IF: 5" Blow.  
 IS: No return.  
 FF: 3 1/2" Blow.  
 FSI: 2" Return.



## PRESSURE SUMMARY

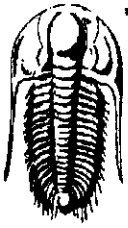
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.68	114.46	Initial Hydro-static
4	19.25	113.73	Open To Flow (1)
35	38.11	115.06	Shut-In(1)
95	541.90	117.37	End Shut-In(1)
95	40.69	117.26	Open To Flow (2)
141	63.81	118.84	Shut-In(2)
231	519.02	120.54	End Shut-In(2)
233	2077.29	120.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .120 @ 90 Degrees F = 50000 PPM 0.00	
30.00	GSOCMW 1%O 44%M 55%W	0.42
124.00	MW 50%M 50%W	1.74
0.00	30 Feet GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**FLUID SUMMARY**

Lario Oil & Gas Company  
301 S. Market  
Wichita, KS 67202  
ATTN: Jon Christensen

**Knapp #3-31**  
**S.31-13-31 Gove, KS**  
Job Ticket: 39587      **DST#: 2**  
Test Start: 2010.08.06 @ 06:32:00

## Mud and Cushion Information

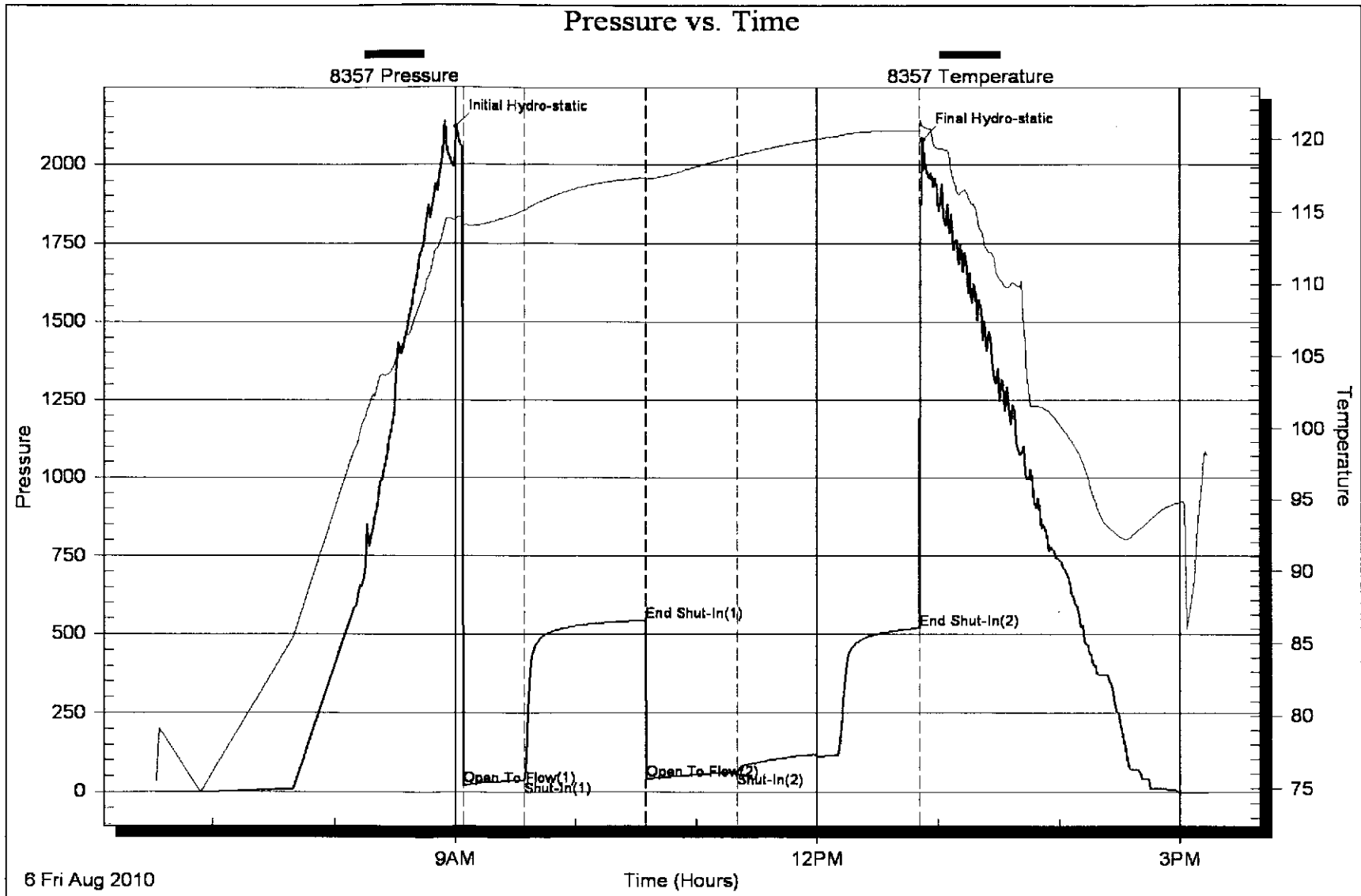
Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	50000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.17 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4500.00 ppm				
Filter Cake:	1.00 inches				

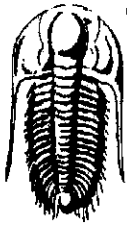
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .120 @ 90 Degrees F = 50000 PPM	0.000
30.00	GSOCMW 1%O 44%M 55%W	0.421
124.00	MW 50%M 50%W	1.739
0.00	30 Feet GP	0.000

Total Length: 154.00 ft      Total Volume: 2.160 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





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# DRILL STEM TEST REPORT

Lario Oil & Gas Company

**Knapp #3-31**

301 S. Market  
Wichita, KS 67202

**S.31-13-31 Gove, KS**

ATTN: Jon Christensen

Job Ticket: 39586

**DST#: 1**

Test Start: 2010.08.05 @ 12:09:05

## GENERAL INFORMATION:

Formation: **Lansing**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 14:14:54  
 Time Test Ended: 19:55:23

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Test Type: **Conventional Bottom Hole**  
 Tester: **Chuck Smith**  
 Unit No: **37**

Interval: **4128.00 ft (KB) To 4160.00 ft (KB) (TVD)**  
 Total Depth: **4160.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2951.00 ft (KB)**  
**2946.00 ft (CF)**  
 KB to GRVCF: **5.00 ft**

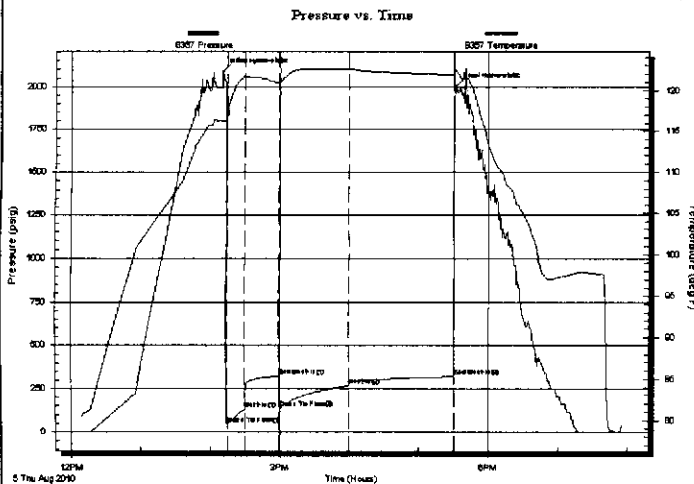
## Serial #: 8357

**Inside**

Press@RunDepth: **268.69 psig @ 4132.00 ft (KB)**  
 Start Date: **2010.08.05** End Date: **2010.08.05**  
 Start Time: **12:09:05** End Time: **19:55:24**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.08.05**  
 Time On Btm: **2010.08.05 @ 14:11:06**  
 Time Off Btm: **2010.08.05 @ 17:31:29**

TEST COMMENT: IF: B.O.B. @ 5 min.  
 IS: Weak surface return died @ 6 min.  
 FF: B.O.B. @ 12 min.  
 FSI: B.O.B. @ 76 min.



## PRESSURE SUMMARY

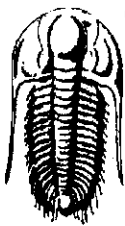
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.47	116.28	Initial Hydro-static
4	46.48	115.95	Open To Flow (1)
19	129.75	121.71	Shut-in(1)
49	322.05	120.92	End Shut-in(1)
49	136.81	120.88	Open To Flow (2)
109	268.69	122.52	Shut-in(2)
200	320.85	121.88	End Shut-in(2)
201	2005.55	122.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .087 @ 84 Degrees F = 70000 PPM	0.00
310.00	MW 5%M 95%W	4.35
186.00	OSMW 15%M 85%W	2.61
124.00	OSMW 45%M 55%W	1.74
60.00	GMCO 25%G 30%M 45%O	0.84
0.00	434 Feet GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lario Oil & Gas Company

**Knapp #3-31**

301 S. Market  
Wichita, KS 67202

**S.31-13-31 Gove, KS**

Job Ticket: 39586

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2010.08.05 @ 12:09:05

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .087 @ 84 Degrees F = 70000 PPM	0.000
310.00	MW 5%M 95%W	4.348
186.00	OSMW 15%M 85%W	2.609
124.00	OSMW 45%M 55%W	1.739
60.00	GMCO 25%G 30%M 45%O	0.842
0.00	434 Feet GIP	0.000

Total Length: 680.00 ft      Total Volume: 9.538 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 41 @ 90 Degrees F = 38.

