

15-063-21735

6-13s-31w

IND



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Company

Hullet #3-6

301 S Market St
Wichita, KS 67202

S.6-13s-31w

ATTN: Brad Rine

Job Ticket: 32609

DST#: 1

Test Start: 2008.10.08 @ 13:51:46

GENERAL INFORMATION:

Formation: **LKC 'I,J'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:44:16
Time Test Ended: 20:04:31

**KCC
DEC 09 2008
CONFIDENTIAL**

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

Interval: **4156.00 ft (KB) To 4205.00 ft (KB) (TVD)**
Total Depth: 4205.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2962.00 ft (KB)
2957.00 ft (CF)
KB to GR/CF: 5.00 ft

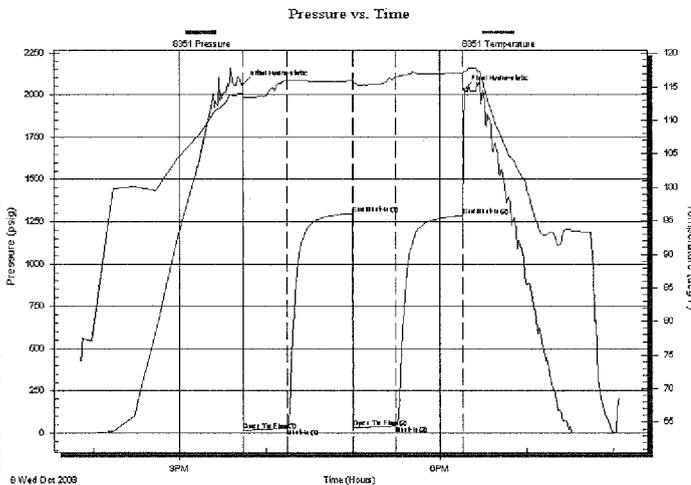
Serial #: 8351

Inside

Press@RunDepth: 45.05 psig @ 4158.00 ft (KB)
Start Date: 2008.10.08 End Date: 2008.10.08
Start Time: 13:51:47 End Time: 20:04:31

Capacity: 7000.00 psig
Last Calib.: 2008.10.08
Time On Btm: 2008.10.08 @ 15:44:01
Time Off Btm: 2008.10.08 @ 18:16:46

TEST COMMENT: IF: 1/4" Blow died @ 21 min
IS: No return
FF: No blow
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.61	113.95	Initial Hydro-static
1	16.44	113.08	Open To Flow (1)
31	28.72	115.96	Shut-In(1)
76	1297.47	115.91	End Shut-In(1)
77	32.06	115.60	Open To Flow (2)
106	45.05	116.50	Shut-In(2)
152	1285.25	117.14	End Shut-In(2)
153	2032.92	117.36	Final Hydro-static

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WICHITA, KS

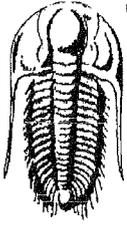
Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM 100%M	0.15

Gas Rates

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

6-13-31W



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TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Hullet #3-6

301 S Market St
Wichita, KS 67202

S.6-13s-31w

Job Ticket: 32609

DST#: 1

ATTN: Brad Rine

Test Start: 2008.10.08 @ 13:51:46

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSM 100%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

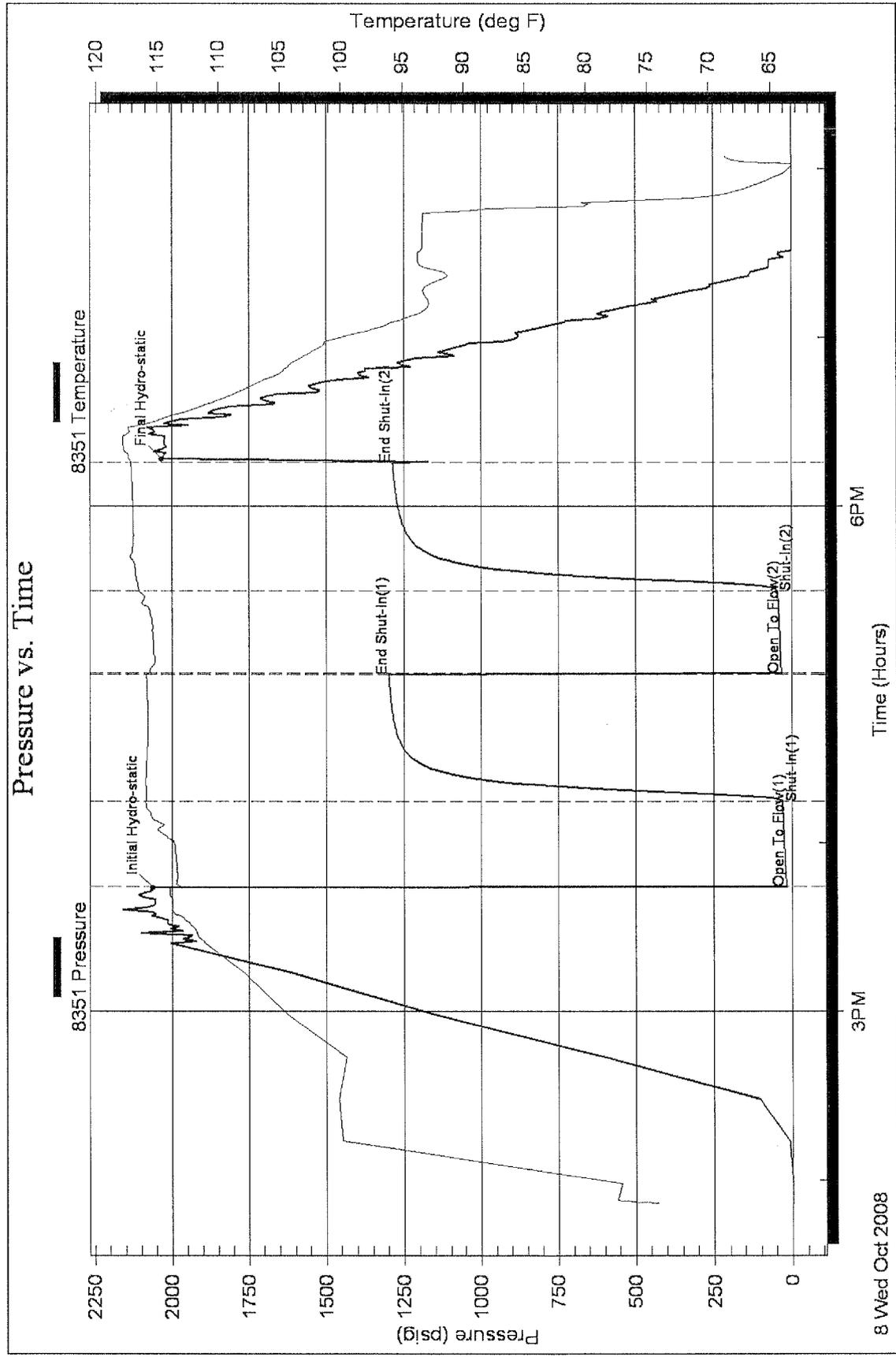
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company
 301 S Market St
 Wichita, KS 67202
 ATTN: Brad Rine

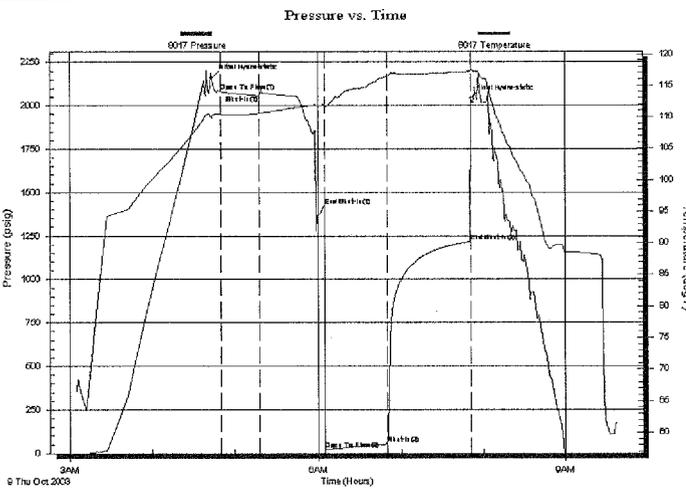
Hullet #3-6
6 13 31
 Job Ticket: 32610 **DST#: 2**
 Test Start: 2008.10.09 @ 03:05:00

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:50:00
 Time Test Ended: 09:36:45
 Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Interval: **4207.00 ft (KB) To 4233.00 ft (KB) (TVD)**
 Total Depth: 4233.00 ft (KB) (TVD)
 Reference Elevations: 2962.00 ft (KB)
 2957.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8017 Inside
 Press@RunDepth: 51.45 psig @ 4208.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.10.09 End Date: 2008.10.09 Last Calib.: 2008.10.09
 Start Time: 03:05:01 End Time: 09:36:45 Time On Btm: 2008.10.09 @ 04:43:45
 Time Off Btm: 2008.10.09 @ 07:50:30

TEST COMMENT: IF: 1/4" Blow died @ 23 min.
 IS: No return.
 FF: 1/2" Blow throughout.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.48	109.90	Initial Hydro-static
7	2081.94	110.40	Open To Flow (1)
35	2059.32	110.58	Shut-In(1)
81	1425.51	111.95	End Shut-In(1)
82	19.47	111.52	Open To Flow (2)
126	51.45	116.46	Shut-In(2)
187	1216.13	117.19	End Shut-In(2)
187	2040.28	117.45	Final Hydro-static

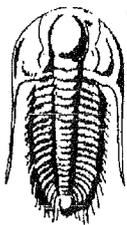
Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100%M	0.30
30.00	SOCM 1%O 99%M	0.15
0.00	No GIP	0.00

Gas Rates

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

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 WICHITA, KS



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DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

Hullet #3-6

301 S Market St
Wichita, KS 67202

6 13 31

Job Ticket: 32610

DST#: 2

ATTN: Brad Rine

Test Start: 2008.10.09 @ 03:05:00

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:

bbbl

Water Loss: 8.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSM 100%M	0.295
30.00	SOCM 1%O 99%M	0.148
0.00	No GIP	0.000

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

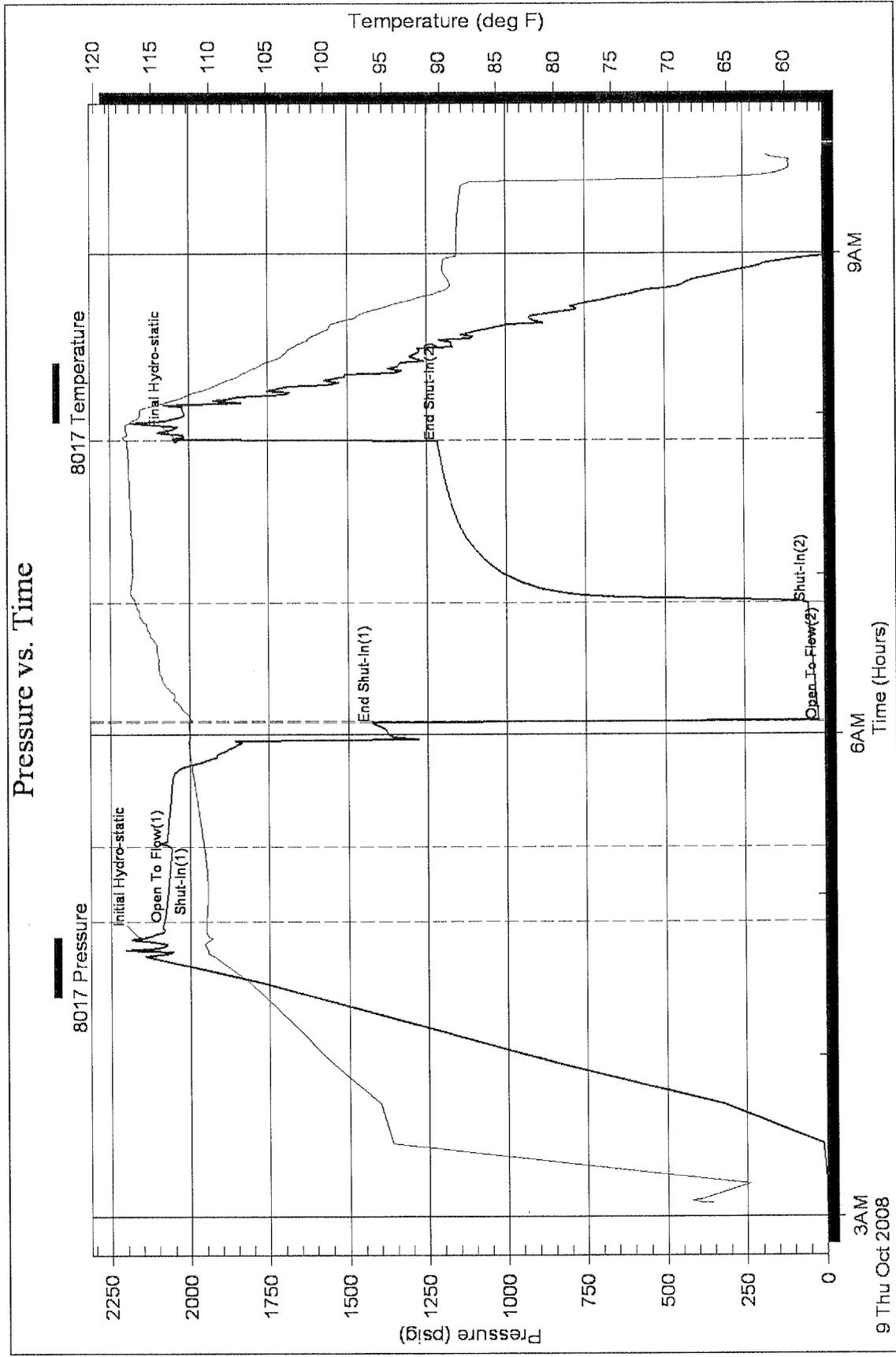
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Lario Oil & Gas Company
301 S Market St
Wichita, KS 67202
ATTN: Brad Rine

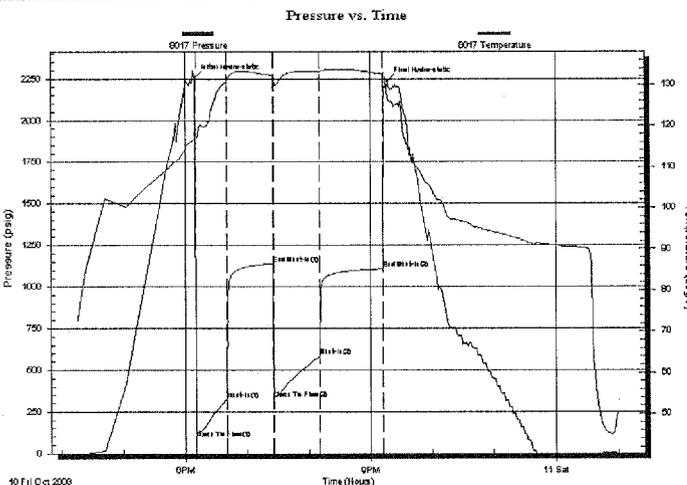
Hullet #3-6
6 13 31
Job Ticket: 32611 **DST#: 3**
Test Start: 2008.10.10 @ 16:16:00

GENERAL INFORMATION:

Formation: **Cherokee/Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:10:15
Time Test Ended: 01:00:00
Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37
Interval: **4516.00 ft (KB) To 4565.00 ft (KB) (TVD)**
Total Depth: 4565.00 ft (KB) (TVD)
Reference Elevations: 2962.00 ft (KB)
2957.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 5.00 ft

Serial #: 8017 **Inside**
Press@RunDepth: 583.44 psig @ 4518.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.10.10 End Date: 2008.10.11 Last Calib.: 2008.10.11
Start Time: 16:16:01 End Time: 01:00:00 Time On Btm: 2008.10.10 @ 18:10:00
Time Off Btm: 2008.10.10 @ 21:16:45

TEST COMMENT: IF: B.O.B. @ 3 min.
IS: B.O.B. @ 16 min.
FF: B.O.B. @ 2 1/2 min.
FS: B.O.B. @ 14 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.17	116.61	Initial Hydro-static
1	92.36	115.94	Open To Flow (1)
30	321.73	130.75	Shut-In(1)
75	1138.26	132.26	End Shut-In(1)
76	330.27	131.68	Open To Flow (2)
120	583.44	133.11	Shut-In(2)
182	1107.00	132.58	End Shut-In(2)
187	2235.63	126.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
256.00	OCM 15%O 85%M	2.50
63.00	GOCM 10%G 10%O 80%M	0.88
567.00	GO 30%G 70%O	7.95
724.00	GO 35%G 65%O	10.16
0.00	2830 Feet weak smelling GIP	0.00

Gas Rates

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

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WICHITA, KS

DST Test Number: 3

6 13 31

Lario Oil & Gas Company

Inside

Serial #: 8017

Pressure vs. Time

