

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 263852

Invoice Date: 11/13/2013 Terms: 15/15/30,n/30

Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 67846
(316)265-5611

KREBS CREDIT SHELTER #436
44395
36-14-32
11-09-2013
KS
Dailling
AFE-13-306

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	150.00	18.5500	2782.50
1102	CALCIUM CHLORIDE (50#)	423.00	.9400	397.62
1118B	PREMIUM GEL / BENTONITE	282.00	.2700	76.14
1111	SODIUM CHLORIDE (GRANULA)	2.00	.0000	.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-488.44
9995-130	CEMENT EQUIPMENT DISCOUNT	-244.88

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
693 MIN. BULK DELIVERY	1.00	430.00	430.00

QC
Nov 18 2013
ESS

Amount Due 5137.86 if paid after 12/13/2013

Parts:	3256.26	Freight:	.00	Tax:	211.73	AR	4367.17
Labor:	.00	Misc:	.00	Total:	4367.17		
Sublt:	-733.32	Supplies:	.00	Change:	.00		

Signed _____

Date _____



CONSOLIDATED
Oil Well Services, LLC

263852

TICKET NUMBER 44395
LOCATION Oakley Ks.
FOREMAN Dawson

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/9/13	4793	Krebs Credit. Station 4	36	14	32	Logan
CUSTOMER Lario Oil & Gas			Oakley			
MAILING ADDRESS			22 S Einto			
CITY			STATE			
ZIP CODE			RATE			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 223 CASING SIZE & WEIGHT 8 5/8 23"
CASING DEPTH 222.61 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 148 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 12.96 DISPLACEMENT PSI _____ MIX PSI _____

REMARKS: Safety meeting Rig up on H2 #2 Run Casing Break Circulation
With Big Pump Hook up to Pump Truck mix 150SKs Com 3%CC 2%Gel
Displace with 12.96 bbl water wash up pump & lines

Cement Did Circulate

Approx 1 bbls to Pit

Thanks Dawson & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00
5406	10	MILEAGE	\$ 5.25	\$ 52.50
5407	7.1	Ton Mileage Delivery	\$ 1.75	\$ 430.00
11045	150 SKs	Class "A" Cement	\$ 18.55	\$ 2782.50
1102	423 #	Calcium Chloride	\$.94	\$ 397.62
1118B	282 #	Bentonite	\$.27	\$ 76.14
1111	2 SKs	Salt	NC	NC
			SubTotal	4885.76
			Less 15%	733.32
			SubTotal	4155.44
			SALES TAX	211.73
			ESTIMATED TOTAL	4367.17

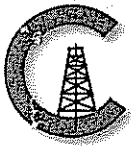
Completed

Ravin 3737

AUTHORIZATION Steven Craig STEVEN CRAIG

DATE 11-9-13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 264210

Invoice Date: 11/25/2013 Terms: 10/10/30,n/30

Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 67846
(316)265-5611

KREBS CREDIT SCHOLLER 4-36
44540
36-14-32
11-19-2013
KS

*Krebs Credit Scholler 4-36
long string AFE-B-306
CK 11/27/13*

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	165.00	23.7000	3910.50
1131	60/40 POZ MIX	400.00	15.8600	6344.00
1110A	KOL SEAL (50# BAG)	825.00	.5600	462.00
1107	FLO-SEAL (25#)	100.00	2.9700	297.00
1118B	PREMIUM GEL / BENTONITE	2752.00	.2700	743.04
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4104	CEMENT BASKET 5 1/2"	1.00	290.0000	290.00
4130	CENTRALIZER 5 1/2"	9.00	61.0000	549.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4277A	DV TOOL-WEATHERFORD 5 1/	1.00	4800.0000	4800.00
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00
1111	SODIUM CHLORIDE (GRANULA)	200.00	.0000	.00

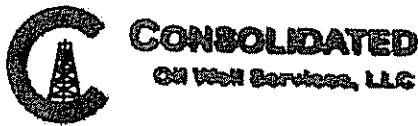
Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-1889.63
9995-130	CEMENT EQUIPMENT DISCOUNT	-366.50

Description	Hours	Unit Price	Total
397 TON MILEAGE DELIVERY	1.00	218.75	218.75
399 SINGLE PUMP	1.00	3175.00	3175.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.25	52.50
T-129 TON MILEAGE DELIVERY	1.00	218.75	218.75

Amount Due 24006.86 if paid after 12/25/2013

Parts:	18896.29	Freight:	.00	Tax:	1301.01	AR	21606.17
Labor:	.00	Misc:	.00	Total:	21606.17		
Sublt:	-2256.13	Supplies:	.00	Change:	.00		

Signed _____ Date _____



264210

TICKET NUMBER 44540
 LOCATION OAKLEY KS
 FOREMAN DAMON M. FUZZY

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
11-19-13	4793	KREBS CREDIT SCHOLLER 4-36	36	14	32	LOGAN	
CUSTOMER		OAKLEY S N SIDE OF RIVER 4 E S&E INFO		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS		LARIO OIL & GAS		399	JORDAN L.		
CITY		STATE		397	JEREMY S.		
ZIP CODE				528 F129	CODY R.		

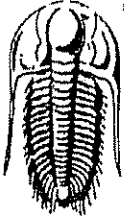
JOB TYPE 2 STAGE HOLE SIZE 7 7/8 HOLE DEPTH 4500 CASING SIZE & WEIGHT 5 1/2 #4
 CASING DEPTH 4470 DRILL PIPE _____ TUBING _____ OTHER DV @ 2151
 SLURRY WEIGHT 13.8/12.5 SLURRY VOL 1.42/1.89 WATER gal/sk _____ CEMENT LEFT in CASING SHOE 32.68
 DISPLACEMENT 108.2/52.48 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: SAFETY MEETING RIG UP ON H2 RIG 2 RAN FLOAT EQUIPMENT CENTRALIZERS ON JOINTS 1, 4, 7, 10, 13, 16, 19, 54, 57 BASKET ON MIDDLE OF #55 DV ON JOINT #56 RUN CASING TO BOTTOM CIRC FOR 1 1/2 HRS PUMP 5 BBL OF H2O 500 GAL OF MUD FLUSH 5 BBL OF H2O MIX 165 SKS OWC #5 KOLSEAL SHUT DOWN DROPPED PLUG THEN PUMPED 50 BBL OF H2O LANDED PLUG LIFE WAS #800 LAND @ 4400 RIGGED UP TO CIRCULATE 3 HRS. 58 BBL AS MUD RAN 5 BBL AHEAD MIXED 350 SKS 60/40 POZ 890 GAL 1/4" FLOSEAL SHUT DOWN RELEASED PLUG PUMPED 5 1/2 BBL OF H2O LRP #800 LANDED @ #1550 SHUT DOWN RELEASED PRESSURE PLUG HELD WASHED UP AND RIGGED DOWN CEMENT DID CIRCULATE APPROX 20 BBL TO THE PIT. RH 30 SKS MN 20 SKS
 THANK YOU DAMON FUZZY & CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	10	MILEAGE	5.25	52.50
5407A	25.0	TON MILEAGE DELIVERY	1.75	437.50
1126	165 SKS	OWC	23.70	3910.50
1131	400 SKS	60/40 POZ	15.86	6344.00
1110A	825 #	KOLSEAL	.56	462.00
1107	100 #	FLOSEAL	2.97	297.00
1118B	2752 #	BETONITE	.27	743.04
1144G	500 GAL	MUD FLUSH	1.00	500.00
4104	1	5 1/2 BASKET	290.00	290.00
4130	9	5 1/2 CENTRALIZERS	61.00	549.00
4159	1	AFU FLOAT SHOE	433.75	433.75
4277A	1	5 1/2 DV TOOL	4800.00	4800.00
4454	1	5 1/2 LATCH DOWN PLUG	567.00	567.00
1111	4 200#	SALT	N/C	N/C
			SUBTOTAL	22561.29
			LESS 10% DISC	2256.13
			SUBTOTAL	20305.16
			SALES TAX 7.65	1301.01
			ESTIMATED TOTAL	21606.17

Ravin 3737

AUTHORIZATION Damon L. Daniel TITLE _____ DATE 11/20/13
 I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 52997

DST#: 1

ATTN: Steve Davis

Test Start: 2013.11.13 @ 17:00:00

GENERAL INFORMATION:

Formation: **Lansing " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:41:30

Time Test Ended: 00:45:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: 3704.00 ft (KB) To 3740.00 ft (KB) (TVD)

Total Depth: 3730.00 ft (KB) (TVD)

Hole Diameter: 6.75 inches Hole Condition: Poor

Reference Elevations: 2651.00 ft (KB)

2640.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **8675** Inside

Press@RunDepth: 102.78 psig @ 3705.00 ft (KB)

Start Date: 2013.11.13

End Date:

2013.11.14

Start Time: 17:00:15

End Time:

00:45:15

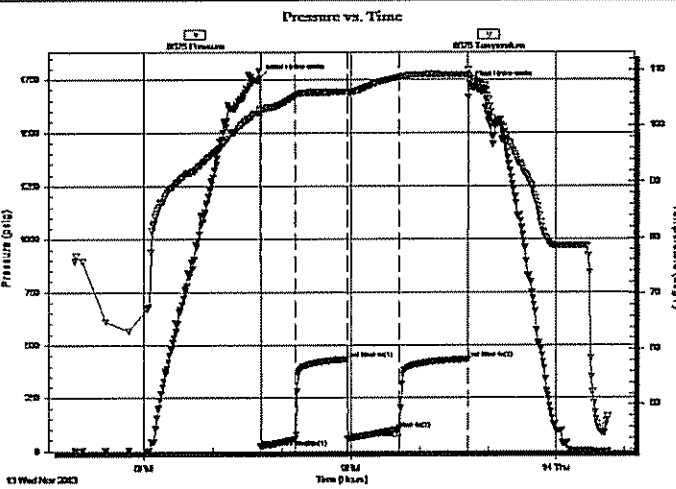
Capacity: 8000.00 psig

Last Calib.: 2013.11.14

Time On Blm: 2013.11.13 @ 19:41:15

Time Off Blm: 2013.11.13 @ 22:43:15

TEST COMMENT: Built to 4 3/4" blow
No return blow
Built to 4" blow
No return blow



PRESSURE SUMMARY

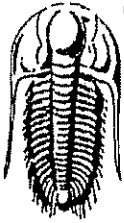
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.08	103.15	Initial Hydro-static
1	18.12	101.88	Open To Flow (1)
31	55.00	105.40	Shut-In(1)
76	433.93	106.14	End Shut-In(1)
76	57.01	105.95	Open To Flow(2)
121	102.78	108.71	Shut-In(2)
181	433.32	109.22	End Shut-In(2)
182	1726.34	109.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
176.00	w cm 40%W 60%M	0.87
30.00	Clean Oil	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 52997 DST#: 1

ATTN: Steve Davis

Test Start: 2013.11.13 @ 17:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 35000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
176.00	w cm 40%W 60%M	0.866
30.00	Clean Oil	0.148

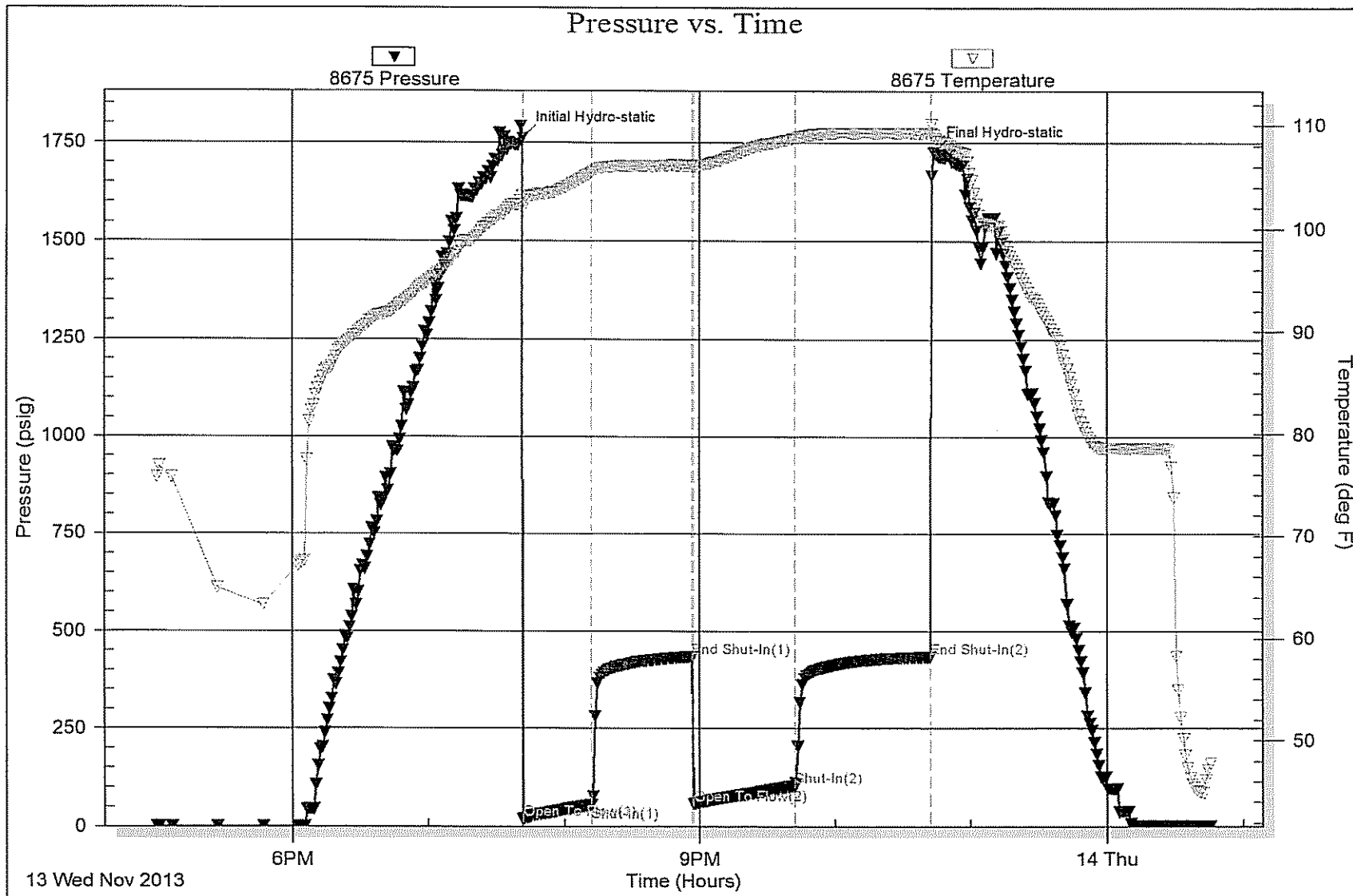
Total Length: 206.00 ft Total Volume: 1.014 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW. .30 @ 45 F = 35,000

API: 35 @ 40 F = 37



DRILL STEM TEST REPORT



Lario Oil & Gas Company
 301 S Market ST
 Wichita KS, 67202-3805
 ATTN: Steve Davis

36-14s-32w Logan Co. KS
 Krebs Credit Shelter
 Job Ticket: 52998 DST#: 2
 Test Start: 2013.11.14 @ 09:55:00

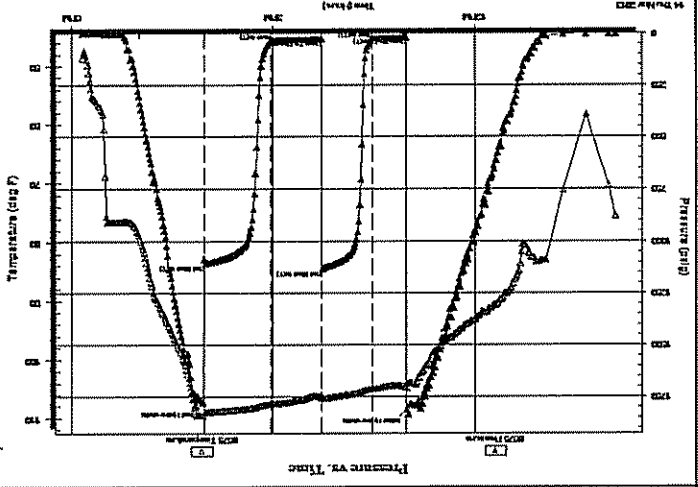
GENERAL INFORMATION:

Formation: Lansing D
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:00:45
 Time Test Ended: 17:50:15
 Interval: 3754.00 ft (KB) To 3780.00 ft (KB) (TVD)
 Total Depth: 3780.00 ft (KB) (TVD)
 Hole Diameter: 6.75 inchesHole Condition: Poor
 Reference Elevations: 2651.00 ft (KB)
 2640.00 ft (CF)
 11.00 ft
 KB to GR/CF:

TEST COMMENT:

Built to 3/4" blow
 No return blow
 No blow
 No return blow

Serial #: 8675
 Inside
 Press@RunDepth: 34.37 psig @ 3755.00 ft (KB)
 Start Date: 2013.11.14
 End Date: 2013.11.14
 Start Time: 09:55:15
 End Time: 17:50:15
 Capacity: 8000.00 psig
 Last Callb.: 2013.11.14
 Time On Birt: 2013.11.14 @ 13:00:30
 Time Off Birt: 2013.11.14 @ 16:02:00



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.64	104.95	Initial Hydro-static
1	18.65	104.11	Open To Flow (1)
31	25.71	105.05	Shut-in (1)
76	1133.83	106.69	End Shut-in (1)
76	27.09	106.06	Open To Flow (2)
121	34.37	107.63	Shut-in (2)
181	1106.79	109.03	End Shut-in (2)
182	1780.97	109.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud with oil spots	0.07

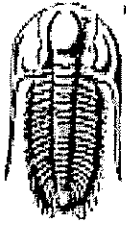
Gas Rates

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

Triobite Testing, Inc

Ref. No: 52998

Printed: 2013.11.01 @ 04:05:30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 52998

DST#: 2

ATTN: Steve Davis

Test Start: 2013.11.14 @ 09:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	100% mud with oil spots	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbf

Num Fluid Samples: 0

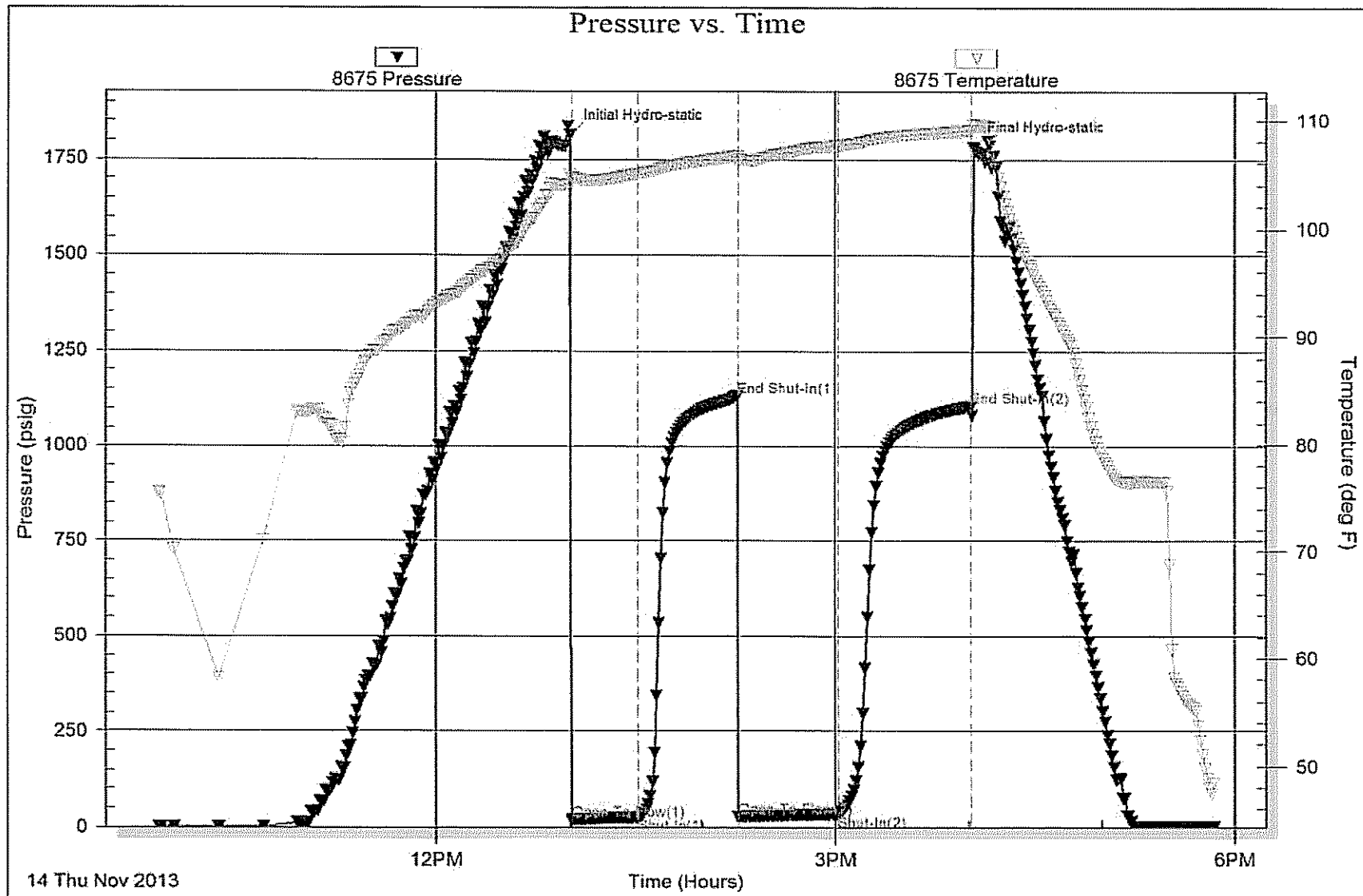
Num Gas Bombs: 0

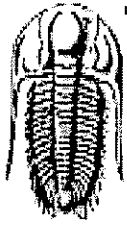
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil & Gas Company
 301 S Market ST
 Wichita KS, 67202-3805
 ATTN: Steve Davis

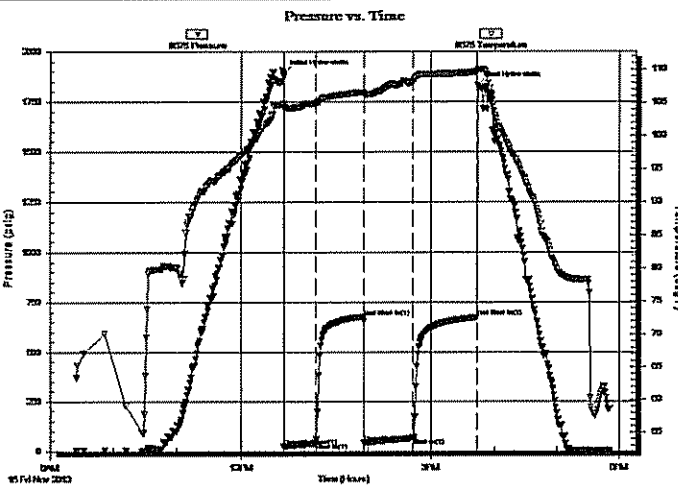
36-14s-32w Logan Co. KS
 Krebs Credit Shelter
 Job Ticket: 52999 DST#: 3
 Test Start: 2013.11.15 @ 09:25:00

GENERAL INFORMATION:

Formation: Lansing "H & I"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:40:45
 Time Test Ended: 17:51:00
 Interval: 3844.00 ft (KB) To 3914.00 ft (KB) (TVD)
 Total Depth: 3914.00 ft (KB) (TVD)
 Hole Diameter: 6.75 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 2651.00 ft (KB)
 2640.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 65.72 psig @ 3845.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.15 End Date: 2013.11.15 Last Calib.: 2013.11.15
 Start Time: 09:25:15 End Time: 17:51:00 Time On Blm: 2013.11.15 @ 12:40:30
 Time Off Blm: 2013.11.15 @ 15:44:00

TEST COMMENT: Built to 2" blow
 No return blow
 Built to 1 3/4" blow
 No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.61	104.89	Initial Hydro-static
1	22.43	104.24	Open To Flow (1)
31	39.57	104.94	Shut-In(1)
76	676.10	106.65	End Shut-In(1)
76	41.53	106.37	Open To Flow (2)
123	65.72	108.27	Shut-In(2)
183	673.87	109.69	End Shut-In(2)
184	1831.45	109.98	Final Hydro-static

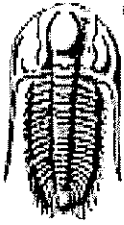
Recovery

Length (ft)	Description	Volume (bbl)
70.00	100% Mud with oil spots	0.34

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 52999

DST#: 3

ATTN: Steve Davis

Test Start: 2013.11.15 @ 09:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
70.00	100% Mud with oil spots	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbf

Num Fluid Samples: 0

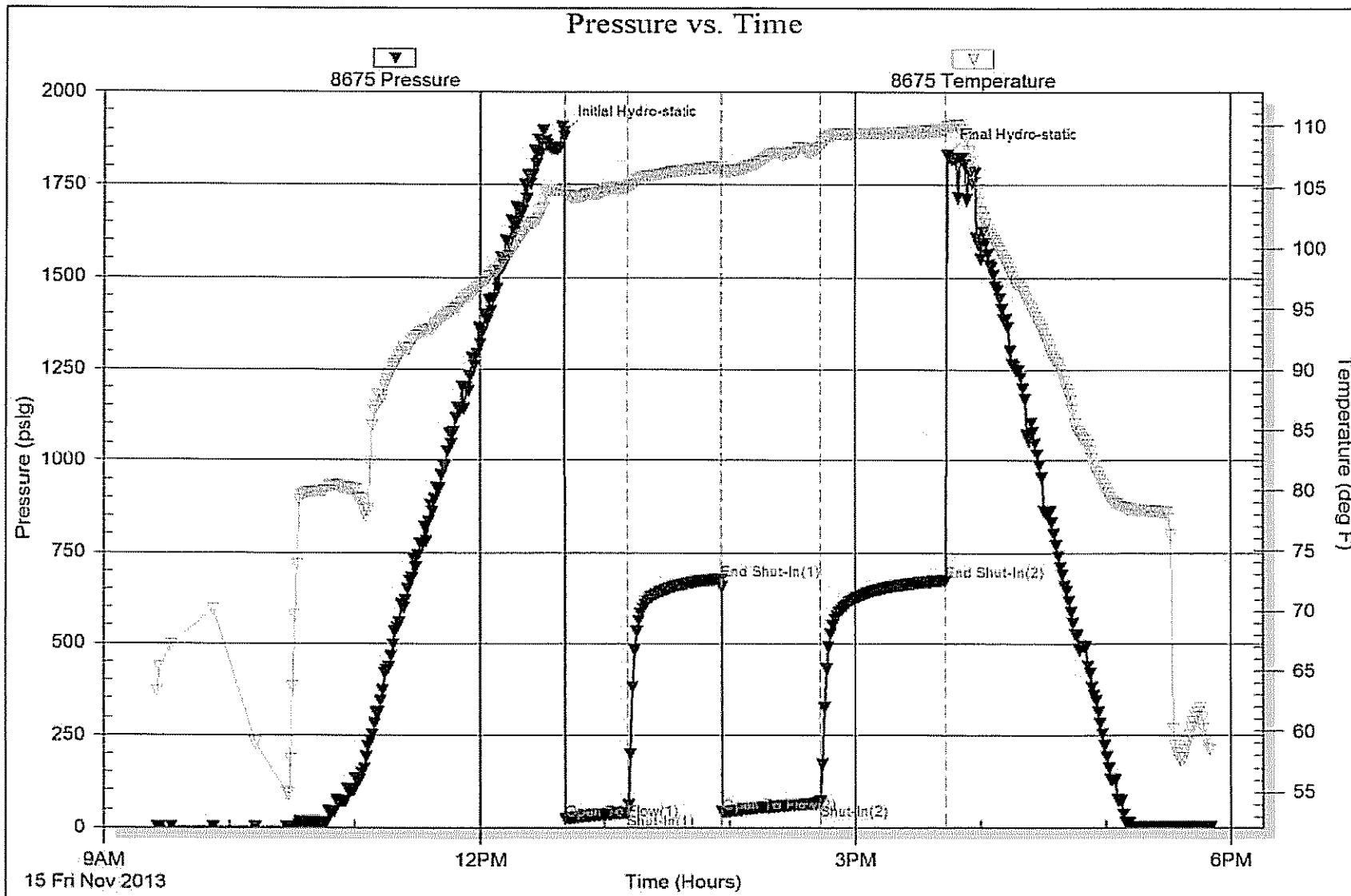
Num Gas Bombs: 0

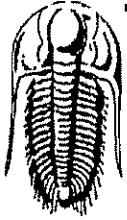
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 53000 DST#: 4

ATTN: Steve Davis

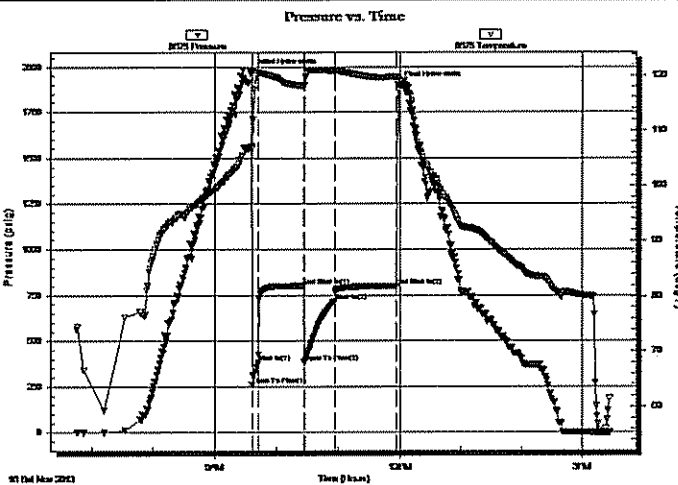
Test Start: 2013.11.16 @ 06:45:00

GENERAL INFORMATION:

Formation: **Lansing "L"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:36:15
 Tester: Jace McKinney
 Time Test Ended: 15:28:00
 Unit No: 46
 Interval: 3970.00 ft (KB) To 3998.00 ft (KB) (TVD)
 Reference Elevations: 2651.00 ft (KB)
 Total Depth: 3998.00 ft (KB) (TVD)
 2640.00 ft (CF)
 Hole Diameter: 6.75 inches Hole Condition: Poor
 KB to GR/CF: 11.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 719.09 psig @ 3971.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.16 End Date: 2013.11.16 Last Calib.: 2013.11.16
 Start Time: 06:45:15 End Time: 15:28:00 Time On Bltm: 2013.11.16 @ 09:36:00
 Time Off Bltm: 2013.11.16 @ 11:58:30

TEST COMMENT: B.O.B. in 1 1/2 min.
 Bled off for 5 min. Very weak surface blow
 B.O.B. in 1 3/4 min.
 Bled off for 5 min. Built to 3" return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.37	107.16	Initial Hydro-static
1	258.07	106.71	Open To Flow (1)
6	382.27	120.49	Shut-In(1)
51	801.55	118.09	End Shut-In(1)
51	382.50	118.09	Open To Flow (2)
81	719.09	120.88	Shut-In(2)
142	799.87	119.73	End Shut-In(2)
143	1901.36	119.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
734.00	100% Water	8.14
310.00	100% Water with oil scum	4.35
248.00	gcow 10%G 10%M 10%O 70%W	3.48
92.00	gcow m 10%G 10%O 30%W 50%M	1.29
92.00	Clean Oil 15&G 85%O	1.29

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 53000 DST#: 4

ATTN: Steve Davis

Test Start: 2013.11.16 @ 06:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
734.00	100% Water	8.139
310.00	100% Water with oil scum	4.348
248.00	gcow 10%G 10%M 10%O 70%W	3.479
92.00	gcow m 10%G 10%O 30%W 50%M	1.291
92.00	Clean Oil 15&G 85%O	1.291

Total Length: 1476.00 ft Total Volume: 18.548 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

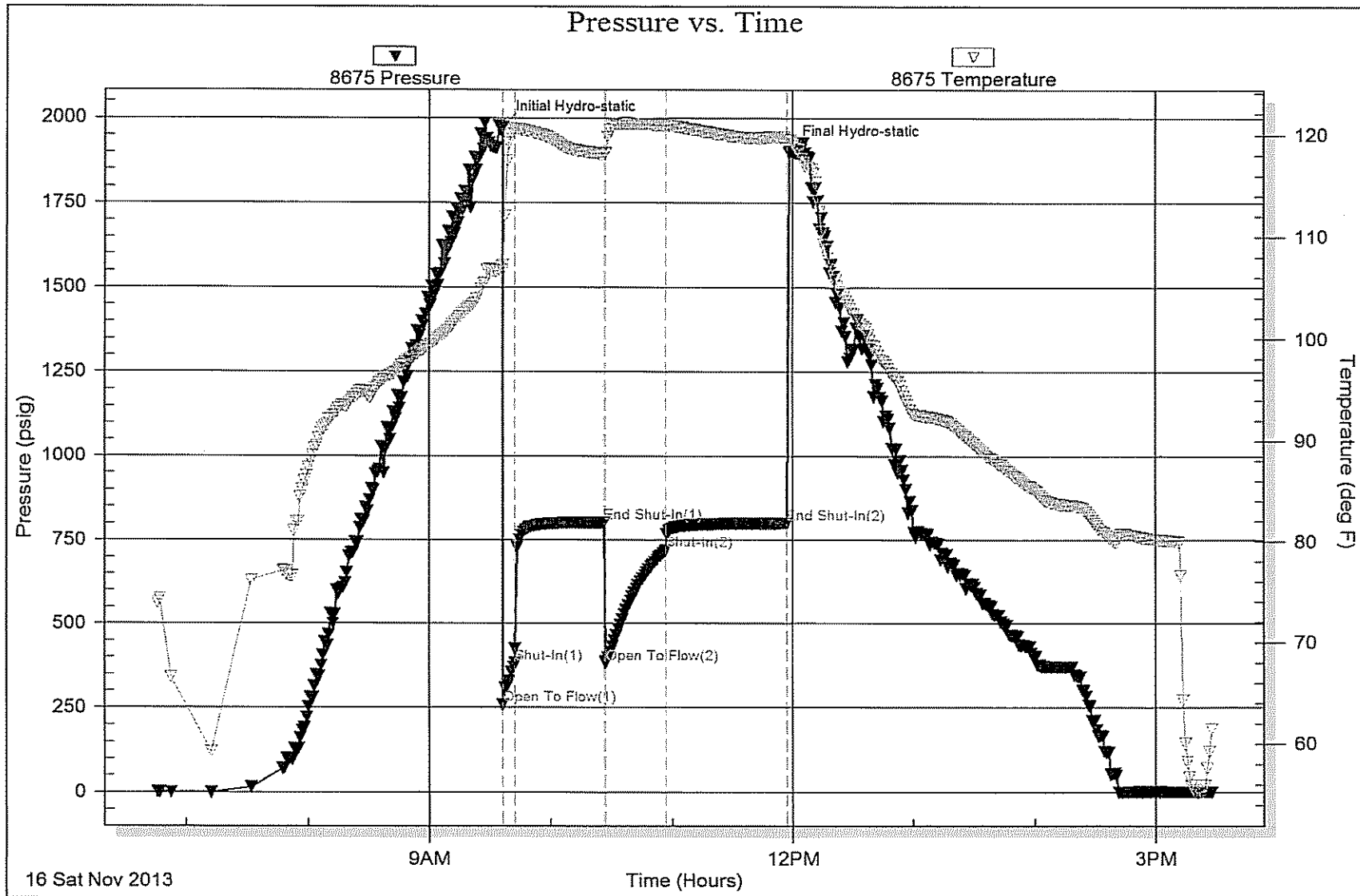
Serial #:

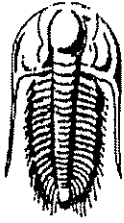
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 70 F = 28

RW: .09 @ 80 F = 70,000





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Company
 301 S Market ST
 Wichita KS, 67202-3805
 ATTN: Steve Davis

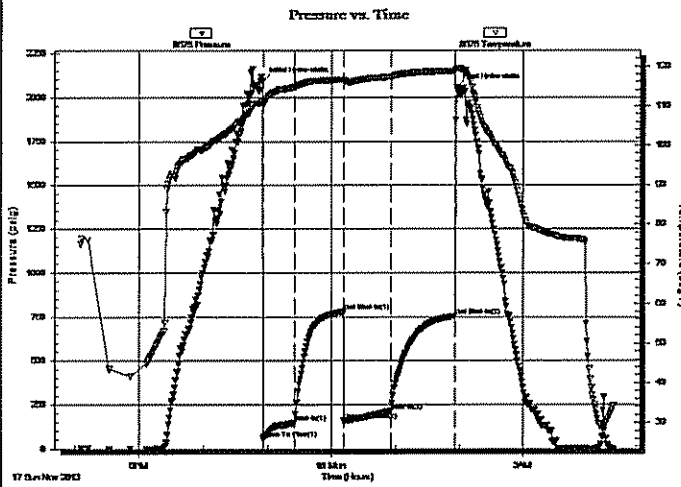
36-14s-32w Logan Co. KS
Krebs Credit Shelter
 Job Ticket: 54576 DST#: 5
 Test Start: 2013.11.17 @ 20:05:00

GENERAL INFORMATION:

Formation: **Johnson Zone**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:56:00 Tester: Jace McKinney
 Time Test Ended: 04:26:30 Unit No: 46
 Interval: 4210.00 ft (KB) To 4280.00 ft (KB) (TVD) Reference Elevations: 2651.00 ft (KB)
 Total Depth: 4280.00 ft (KB) (TVD) 2640.00 ft (CF)
 Hole Diameter: 6.75 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 214.68 psig @ 4211.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.17 End Date: 2013.11.18 Last Calib.: 2013.11.18
 Start Time: 20:05:15 End Time: 04:26:30 Time On Btm: 2013.11.17 @ 22:55:30
 Time Off Btm: 2013.11.18 @ 01:57:15

TEST COMMENT: B.O.B. in 8 1/2 min.
 Bled off for 5 min. Built to 6" return blow
 B.O.B. in 4 min.
 Bled off for 5 min. B.O.B. in 39 min.

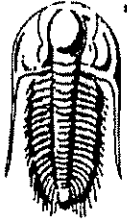


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.00	111.10	Initial Hydro-static
1	55.42	110.54	Open To Flow (1)
30	148.15	114.75	Shut-In(1)
76	777.88	116.54	End Shut-In(1)
76	160.42	116.30	Open To Flow (2)
120	214.68	117.28	Shut-In(2)
181	753.85	118.73	End Shut-In(2)
182	2059.43	119.46	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
118.00	gcmo 20%G 40%M 40%O	0.58
118.00	mcgo 5%M 30%G 65%O	0.58
124.00	mcgo 10%M 20%G 70%O	1.73
140.00	100% Clean Oil	1.96
0.00	1290 Feet Gas In Pipe	0.00

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

36-14s-32w Logan Co. KS

301 S Market ST
Wichita KS, 67202-3805

Krebs Credit Shelter

Job Ticket: 54576 DST#: 5

ATTN: Steve Davis

Test Start: 2013.11.17 @ 20:05:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	gcmo 20%G 40%M 40%O	0.580
118.00	mcgo 5%M 30%G 65%O	0.580
124.00	mcgo 10%M 20%G 70%O	1.733
140.00	100% Clean Oil	1.964
0.00	1290 Feet Gas In Pipe	0.000

Total Length: 500.00 ft Total Volume: 4.857 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 29 @ 20 F = 33

