



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 147785
Invoice Date: Dec 17, 2014
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

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

*Drilling
Apr 14-272
12-29-14 JK*

Customer ID	Field Ticket #	Payment Terms	
Lario	64627	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 17, 2014	1/16/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Edsall #1-21		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
635.00	CEMENT MATERIALS	Chloride	1.10	698.50
237.56	CEMENT SERVICE	Cubic Feet Charge	2.48	589.15
544.50	CEMENT SERVICE	Ton Mileage Charge	2.75	1,497.38
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	OPERATOR ASSISTANT	Wayne Messalle		

JK
DEC 17 2014
JK

Subtotal	9,314.78
Sales Tax	394.13
Total Invoice Amount	9,708.91
Payment/Credit Applied	
TOTAL	9,708.91

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

\$ 2,761.43

ONLY IF PAID ON OR BEFORE
Jan 16, 2015



Dec. 22, 2014 1:47PM

No. 4839 P. 10

ALLIED OIL & GAS SERVICES, LLC 064627

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Dakkers, KS

DATE <u>12-17-14</u>	SEC. <u>21</u>	TWP. <u>19</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>6:30 pm</u>	JOB START <u>7:30 am</u>	JOB FINISH <u>10:00 pm</u>
LEASE <u>Edsall</u>	WELL# <u>1-21</u>	LOCATION <u>500 ft City 15W (Rd 22)</u>	COUNTY <u>Wichita</u>	STATE <u>KS</u>			
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		<u>6 1/2", 2 x 8 info</u>					

CONTRACTOR Duke 4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 375.60
 CASING SIZE 8 7/8 DEPTH 374.11'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 151
 PERFS.
 DISPLACEMENT 22.98 bbl

OWNER same
 CEMENT AMOUNT ORDERED 225 skt com 3% cc
 COMMON 225 skt @ 17.90 4022.50
 POZMIX @
 GEL @
 CHLORIDE 635# @ 1.10 698.50
 ASC @

EQUIPMENT
 PUMP TRUCK CEMENTER Lakone E. Wank
 # 431 HELPER Wayne McElghy
 BULK TRUCK # 891/310 DRIVER Wayne Massalle
 BULK TRUCK # DRIVER

McBride Total @ 4,726.00
(1417.80 / 30%)
 HANDLING 237.56 skt @ 2.48 589.16
 MILEAGE 1287 hrs x .50 @ 2.95 1492.38

REMARKS:

12 1/4 225 skt cement
Displace with water
Cement did circulate
125 skt to pit
Thank you!

TOTAL _____

SERVICE

DEPTH OF JOB 374.11'
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @
 MILEAGE 1287 @ 50 @ 7.90 385.00
 MANIFOLD Head @ 225.00
12 1/4 @ 50 @ 4.90 245.00

(1343.63 / 30%) TOTAL 4,478.79

PLUG & FLOAT EQUIPMENT

Wooden plug @ 110.00
 @
 @
 @
 @

TOTAL 110.00

CHARGE TO: Lario Oil & Gas Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rick Wheeler

SIGNATURE Rick Wheeler

SALES TAX (if any) _____
 TOTAL CHARGES 9,314.79
 DISCOUNT 2,761.43 (30%) IF PAID IN 30 DAYS
6,553.35 Net.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 148091
Invoice Date: Jan 6, 2015
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

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

Drilling Apr 14-272
1-19-15

Customer ID	Field Ticket #	Payment Terms	
Lario	67271	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Jan 6, 2015	2/5/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Edsall #1-21		
280.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	5,297.60
70.00	CEMENT MATERIALS	Flo Seal	2.97	207.90
300.72	CEMENT SERVICE	Cubic Feet Charge	2.48	745.79
565.20	CEMENT SERVICE	Ton Mileage Charge	2.75	1,554.30
1.00	CEMENT SERVICE	Rotary Plug	2,483.59	2,483.59
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	OPERATOR ASSISTANT	Brian Lang		
1.00	OPERATOR ASSISTANT	Toriano Allen		

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

\$ 3,250.10

ONLY IF PAID ON OR BEFORE
Feb 5, 2015

Subtotal	10,833.68
Sales Tax	882.94
Total Invoice Amount	11,716.62
Payment/Credit Applied	
TOTAL	11,716.62

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067271

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Grant Bland

DATE <u>1-6-15</u>	SEC. <u>21</u>	TWP. <u>19</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>12 AM</u>	JOB START <u>6:30 AM</u>	JOB FINISH <u>7:30 AM</u>
LEASE <u>Edgell</u>	WELL # <u>1-21</u>	LOCATION <u>510th city West of Wichita</u>	COUNTY <u>Wichita</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)		<u>10 line to 22nd - 6 1/2 S - Wichita</u>					

CONTRACTOR Duke 4
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 3/8 I.D.
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 25 20
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. All
 PERFS. _____
 DISPLACEMENT 480

OWNER _____

CEMENT AMOUNT ORDERED 280 sy 60/40
48 gal 1/4 Flt

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	_____	_____
<u>280 sy 60/40 + 4%</u>	@	<u>18.92</u>	<u>5,297.60</u>
<u>Flt</u>	@	<u>70</u>	<u>207.90</u>
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

TOTAL 5,505.50

DISCOUNT 30 % 1,651.65

REMARKS:

On location - rig up - level surface meeting
run 4 1/2 drill pipe - fill 1-16
#1 - 2520 - 50 sy
#2 - 1260 - 80 AH-30
#3 - 630 - 50
#4 - 420 - 50
#5 - 60 - 20
plug down - rig down

SERVICE

HANDLING <u>300.72</u>	@	<u>2.48</u>	<u>745.78</u>
MILEAGE <u>12.56 x 45</u>	X	<u>2.75</u>	<u>1,554.00</u>
DEPTH OF JOB <u>2520</u>			
PUMP TRUCK CHARGE <u>2483.39</u>			
EXTRA FOOTAGE	@	_____	_____
HV MILEAGE <u>45</u>	@	<u>7.70</u>	<u>346.50</u>
LV MILEAGE <u>45</u>	@	<u>4.40</u>	<u>198.00</u>
_____	@	_____	_____
_____	@	_____	_____

TOTAL 5,328.18

DISCOUNT 30 % 1,598.45

CHARGE TO: Lari's Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

TOTAL _____

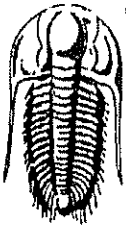
DISCOUNT 0 % 0

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rich Wheeler

SIGNATURE Rich Wheeler

SALES TAX (If Any) _____
 TOTAL CHARGES 10,833.68
 DISCOUNT 3,250.10 IF PAID IN 30 DAYS
 NET TOTAL 7,583.58 IF PAID IN 30 DAYS



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

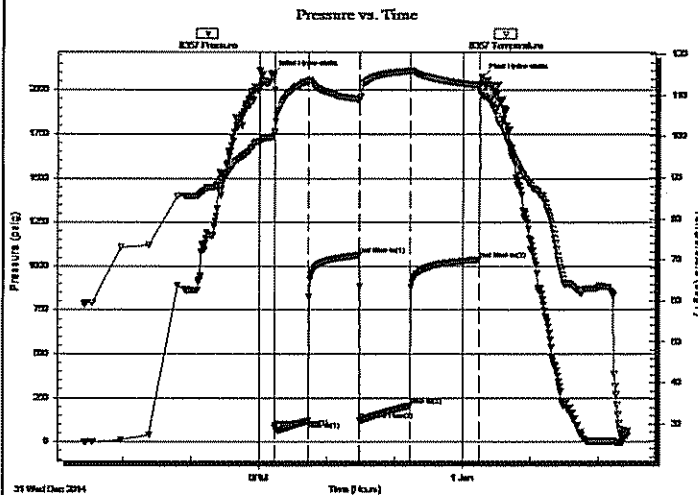
S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58490 DST#: 1
Test Start: 2014.12.31 @ 18:26:00

GENERAL INFORMATION:

Formation: **Lansing 'I'**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 21:13:50
Time Test Ended: 02:26:00
Interval: **4227.00 ft (KB) To 4250.00 ft (KB) (TVD)**
Total Depth: **4250.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Chuck Smith**
Unit No: **61**
Reference Elevations: **3147.00 ft (KB)**
3138.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8357 Inside
Press@RunDepth: **204.70 psig @ 4229.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2014.12.31** End Date: **2015.01.01** Last Calib.: **2015.01.01**
Start Time: **18:26:02** End Time: **02:26:00** Time On Btm: **2014.12.31 @ 21:10:40**
Time Off Btm: **2015.01.01 @ 00:17:00**

TEST COMMENT: 30- Tool slid 15' w hile open, bled off initial blow , B.O.B. @ 23 min.
45- No return.
45- B.O.B. @ 25 min.
60- No return.



PRESSURE SUMMARY

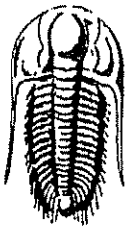
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2090.80	99.78	Initial Hydro-static
4	83.40	101.18	Open To Flow (1)
33	118.90	113.43	Shut-In(1)
78	1063.49	109.06	End Shut-In(1)
79	121.47	108.96	Open To Flow (2)
123	204.70	115.92	Shut-In(2)
185	1036.72	112.42	End Shut-In(2)
187	2072.09	109.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .240 @ 36 Degrees F = 63000 PPM	0.00
154.00	OSWM 30w 70m	2.16
248.00	MW 25m 75w	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

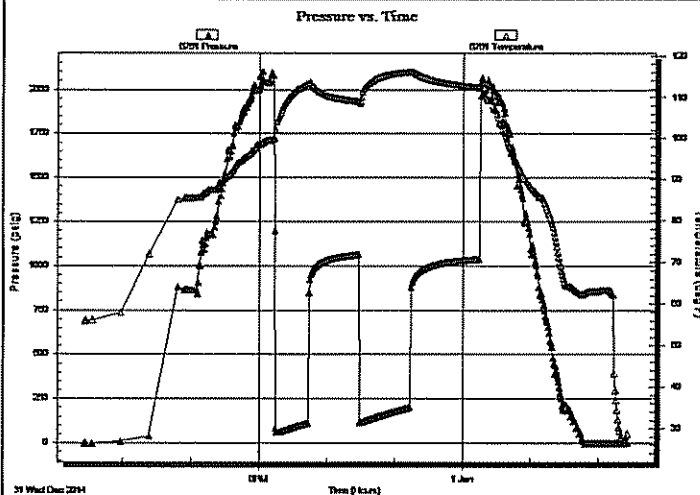
S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58490 **DST#: 1**
Test Start: 2014.12.31 @ 18:26:00

GENERAL INFORMATION:

Formation: **Lansing 'I'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:13:50
 Time Test Ended: 02:26:00
 Interval: **4227.00 ft (KB) To 4250.00 ft (KB) (TVD)**
 Total Depth: **4250.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Chuck Smith**
 Unit No: **61**
 Reference Elevations: **3147.00 ft (KB)**
3138.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 6751 **Outside**
 Press@RunDepth: psig @ 4229.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.31 End Date: 2015.01.01 Last Calib.: 2015.01.01
 Start Time: 18:26:02 End Time: 02:25:50 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- Tool slid 15' w hile open, bled off initial blow , B.O.B. @ 23 min.
 45- No return.
 45- B.O.B. @ 25 min.
 60- No return.



PRESSURE SUMMARY

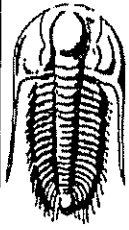
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .240 @ 36 Degrees F = 63000 PPM	0.00
154.00	OSWM 30w 70m	2.16
248.00	MW 25m 75w	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58490 DST#: 1
Test Start: 2014.12.31 @ 18:26:00

Mud and Cushion Information

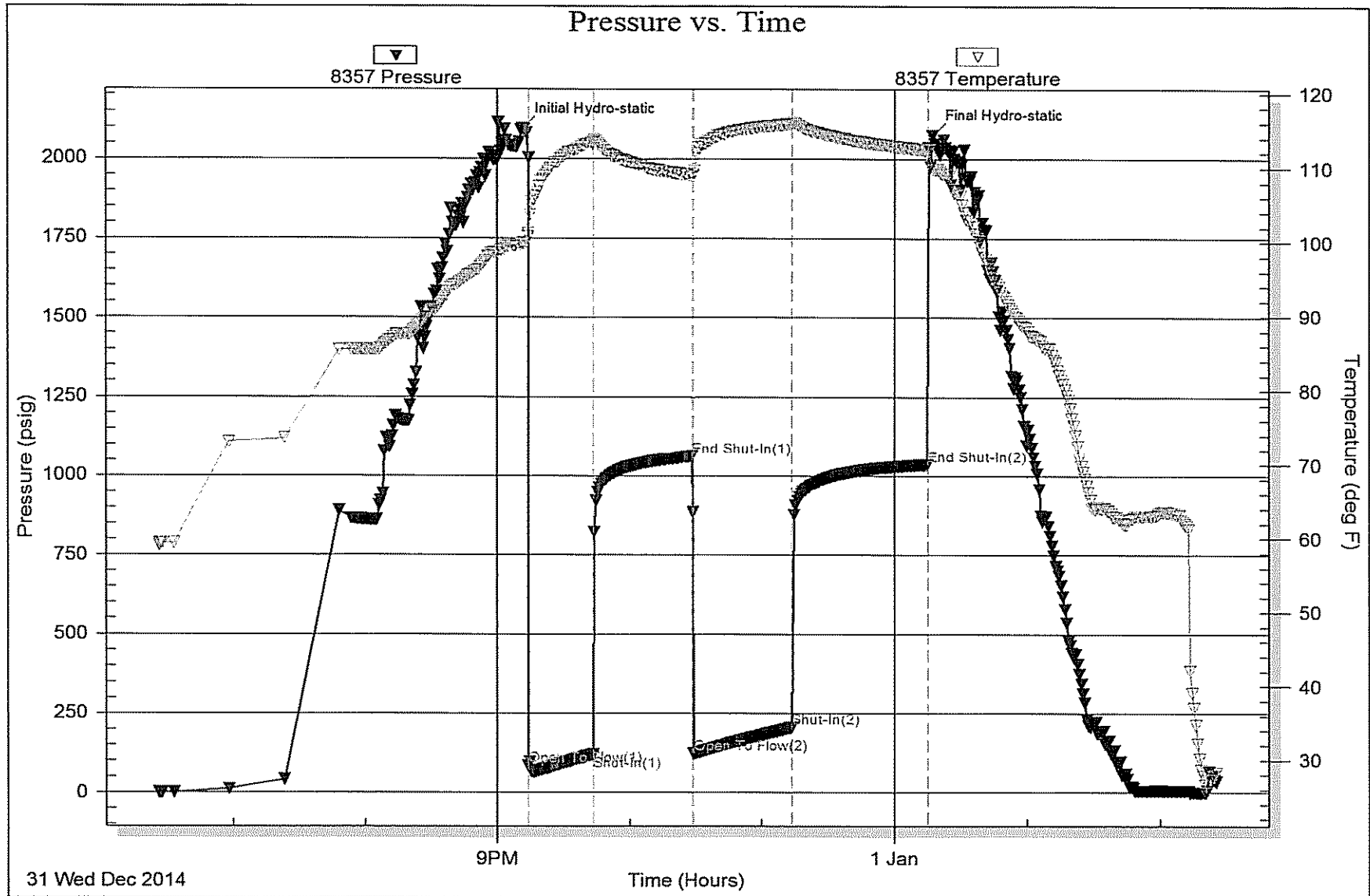
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	63000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

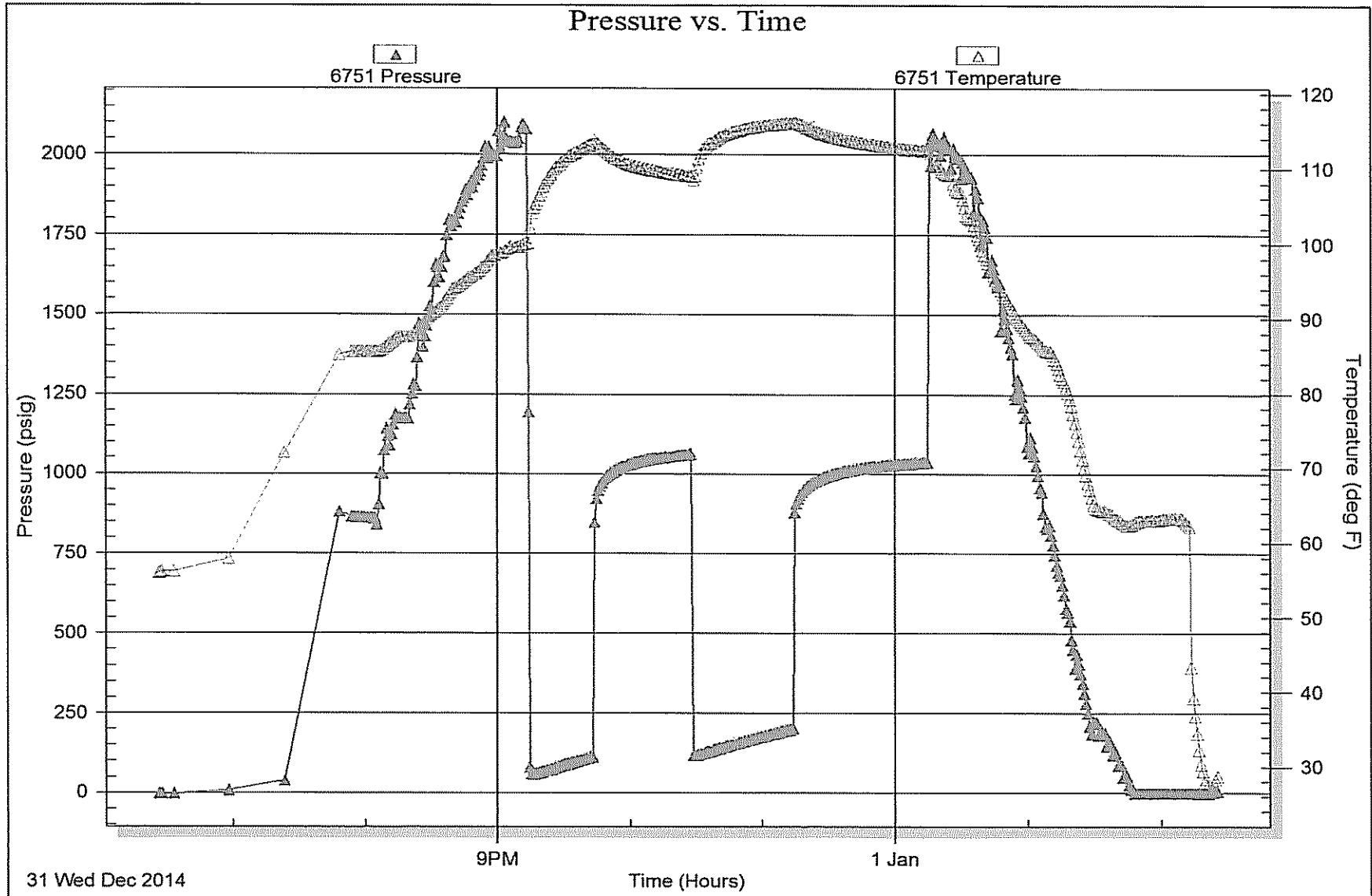
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .240 @ 36 Degrees F = 63000 PPM	0.000
154.00	OSWM 30w 70m	2.160
248.00	MW 25m 75w	3.479

Total Length: 402.00 ft Total Volume: 5.639 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API: @ Degrees F =







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

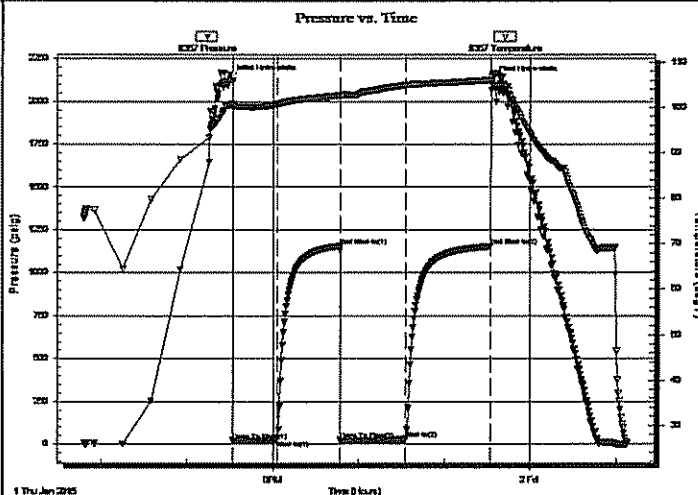
S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58492 DST#: 2
Test Start: 2015.01.01 @ 18:48:00

GENERAL INFORMATION:

Formation: **Lansing 'L'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:32:10
Time Test Ended: 01:08:09
Interval: **4346.00 ft (KB) To 4370.00 ft (KB) (TVD)**
Total Depth: **4370.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61
Reference Elevations: **3147.00 ft (KB)**
3138.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8357 Inside
Press@RunDepth: **27.50 psig @ 4349.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2015.01.01** End Date: **2015.01.02** Last Calib.: **2015.01.02**
Start Time: **18:48:02** End Time: **01:08:10** Time On Btm: **2015.01.01 @ 20:30:00**
Time Off Btm: **2015.01.01 @ 23:33:30**

TEST COMMENT: 30- 1" Blow .
45- No return.
45- No blow .
60- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.83	100.57	Initial Hydro-static
3	20.57	100.23	Open To Flow (1)
33	24.01	100.70	Shut-In(1)
77	1156.50	102.71	End Shut-In(1)
78	23.82	102.27	Open To Flow (2)
123	27.50	104.99	Shut-In(2)
183	1153.79	106.12	End Shut-In(2)
184	2125.00	107.50	Final Hydro-static

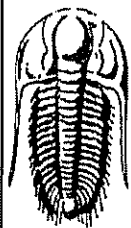
Recovery

Length (ft)	Description	Volume (bbl)
20.00	M 100m Oil spots in tool.	0.28

* 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 Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58492 DST#: 2
Test Start: 2015.01.01 @ 18:48:00

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: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

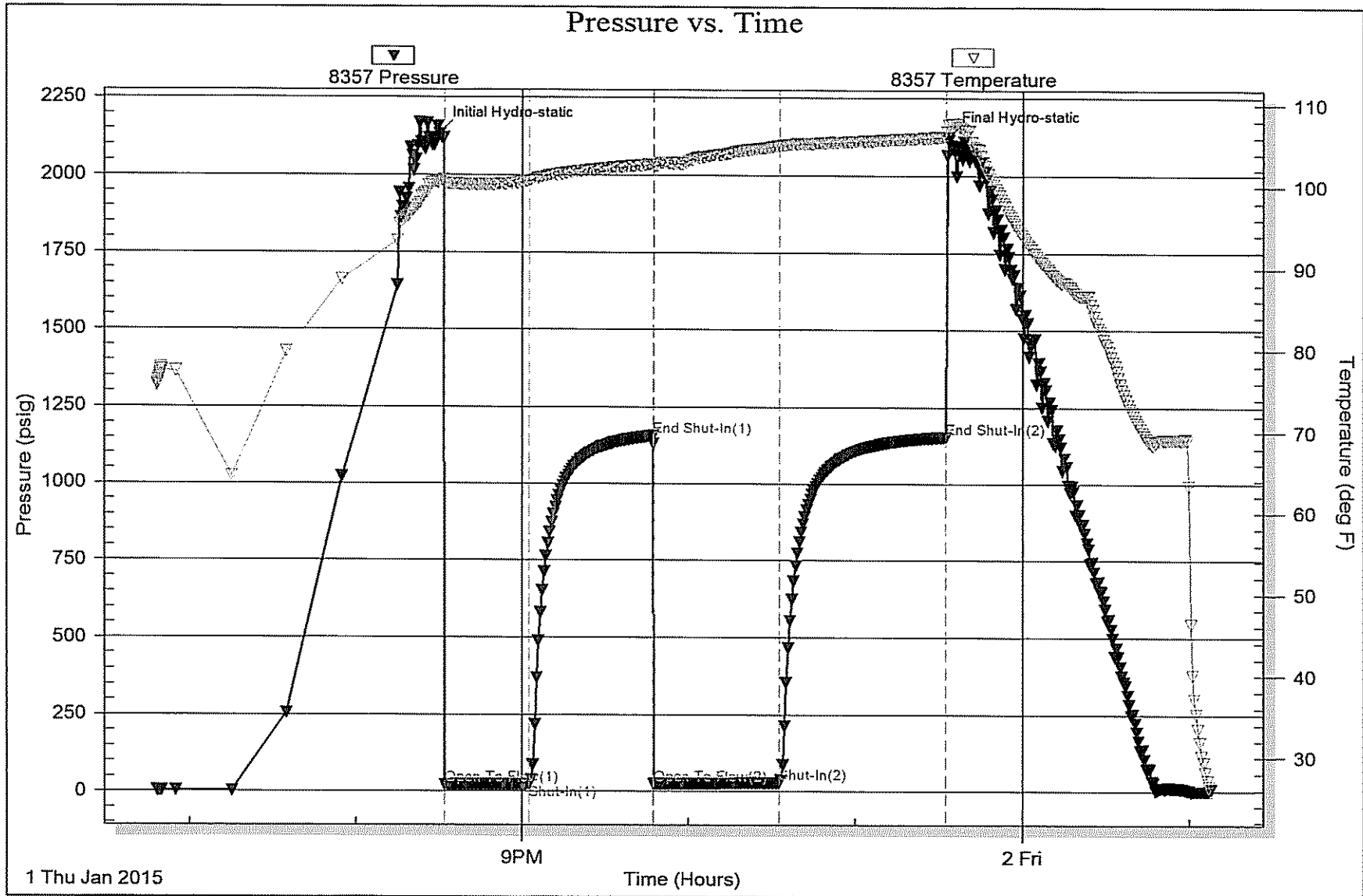
Length ft	Description	Volume bbl
20.00	M 100m Oil spots in tool.	0.281

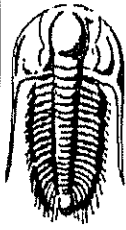
Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API: @ Degrees F =





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

S21-19s-35w Wichita / KS

Edsall #1-21

Job Ticket: 58493

DST#: 3

Test Start: 2015.01.02 @ 18:55:00

GENERAL INFORMATION:

Formation: **Marmaton 'A-B'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:04:10
Time Test Ended: 02:50:20

Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61

Interval: **4430.00 ft (KB) To 4510.00 ft (KB) (TVD)**
Total Depth: **4510.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: **3147.00 ft (KB)**
3138.00 ft (CF)
KB to GR/CF: **9.00 ft**

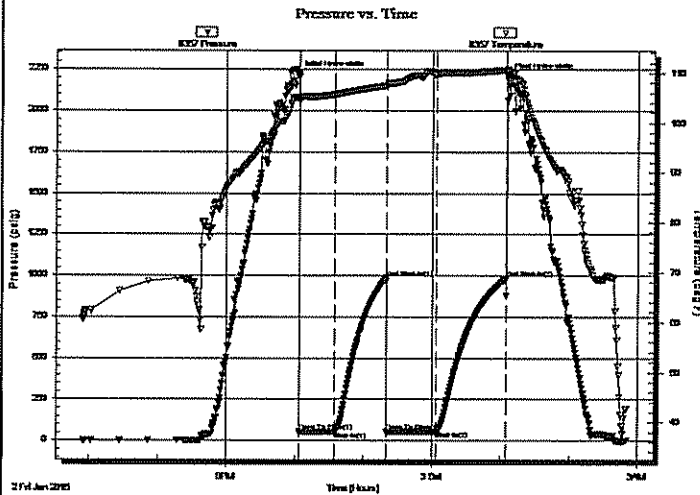
Serial #: 8357

Inside

Press@RunDepth: **57.38 psig @ 4432.00 ft (KB)**
Start Date: **2015.01.02** End Date: **2015.01.03**
Start Time: **18:55:02** End Time: **02:50:20**

Capacity: **8000.00 psig**
Last Calib.: **2015.01.03**
Time On Btm: **2015.01.02 @ 22:02:10**
Time Off Btm: **2015.01.03 @ 01:06:09**

TEST COMMENT: 30- 1 1/2"Blow.
45- No return.
45- No blow.
60- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2217.68	105.00	Initial Hydro-static
2	53.92	104.41	Open To Flow (1)
33	55.73	105.65	Shut-In(1)
78	985.82	107.46	End Shut-In(1)
79	54.30	107.22	Open To Flow (2)
122	57.38	109.61	Shut-In(2)
183	981.62	110.59	End Shut-In(2)
184	2206.42	110.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100m	0.14

* 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 Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58493 DST#: 3
Test Start: 2015.01.02 @ 18:55:00

Mud and Cushion Information

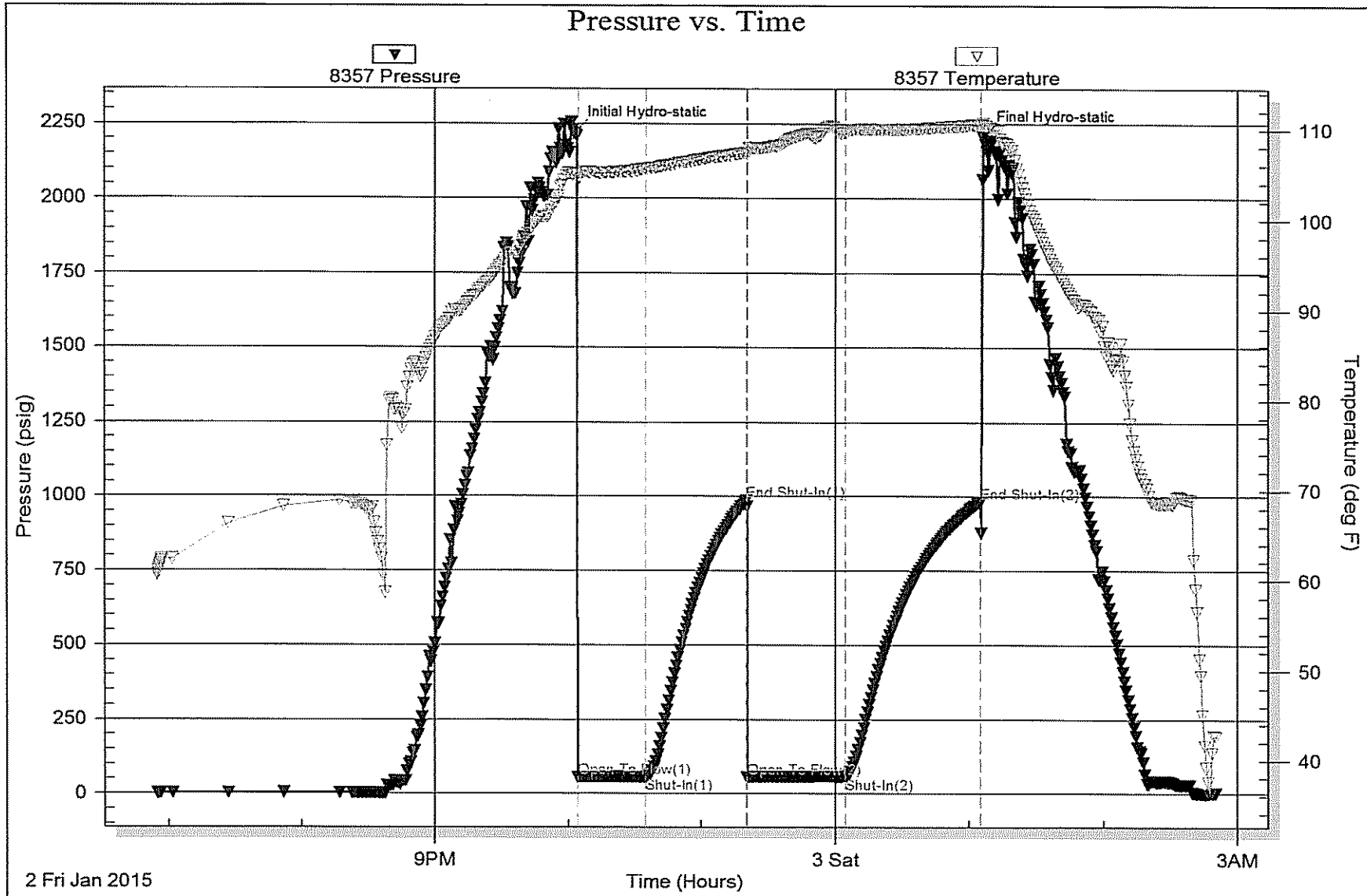
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

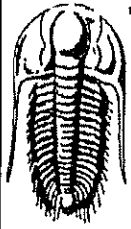
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100m	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API: @ Degrees F =





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

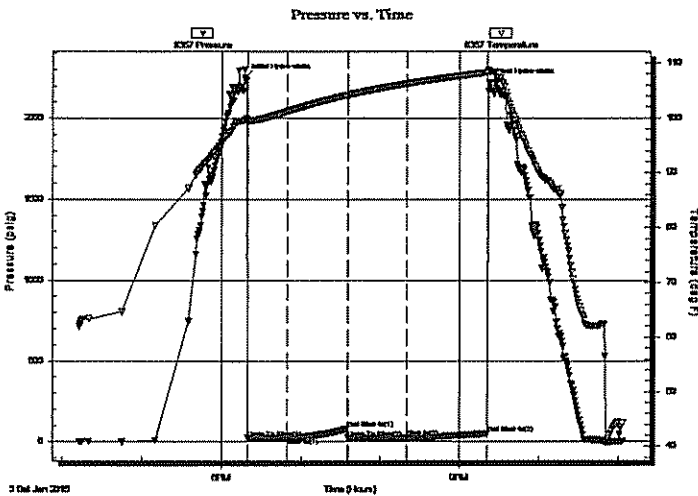
S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58494 DST#: 4
Test Start: 2015.01.03 @ 16:13:00

GENERAL INFORMATION:

Formation: Pawnee	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Chuck Smith
Time Tool Opened: 18:19:40	Unit No: 61
Time Test Ended: 23:03:20	Reference Elevations: 3147.00 ft (KB)
Interval: 4541.00 ft (KB) To 4581.00 ft (KB) (TVD)	3138.00 ft (CF)
Total Depth: 4581.00 ft (KB) (TVD)	KB to GRVCF: 9.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

Serial #: 8357 Inside	Capacity: 8000.00 psig
Press@RunDepth: 27.85 psig @ 4544.00 ft (KB)	Last Calib.: 2015.01.03
Start Date: 2015.01.03 End Date: 2015.01.03	Time On Btm: 2015.01.03 @ 18:17:30
Start Time: 16:13:02 End Time: 23:03:20	Time Off Btm: 2015.01.03 @ 21:22:09

TEST COMMENT: 30- 1" Blow .
45- No return.
45- No blow .
60- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.83	99.68	Initial Hydro-static
3	23.24	99.02	Open To Flow (1)
33	25.11	101.16	Shut-In(1)
78	78.76	104.15	End Shut-In(1)
78	22.54	104.16	Open To Flow (2)
123	27.85	106.23	Shut-In(2)
184	50.11	108.28	End Shut-In(2)
185	2222.81	108.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = 000 PPM	0.00

* 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 Co.
301 S. Market St.
Wichita, KS 67202-3805
ATTN: Steve Davis

S21-19s-35w Wichita / KS
Edsall #1-21
Job Ticket: 58494 **DST#: 4**
Test Start: 2015.01.03 @ 16:13:00

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: @ Degrees F = 000 FPM	0.000

Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API: @ Degrees F =

