



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1198769
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: _____

1198769

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Berning 2-3
Doc ID	1198769

All Electric Logs Run

MPD/MDN
MAI/MFE
MSS
MML

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Berning 2-3
Doc ID	1198769

Tops

Name	Top	Datum
Heebner	4008	-806
Lansing	4050	-848
Stark Shale	4342	-1140
Hushpuckney	4393	-1191
Base KC	4470	-1268
Marmaton	4502	-1300
Pawnee	4591	-1389
Ft. Scott	4616	-1414
Johnson	4722	-1520
Basal Penn	4886	-1684
Mississippian	4890	-1688

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Berning 2-3
Doc ID	1198769

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	4828 - 4856	2000 g 7.5% MCA; frac 9000 g + 2500# 20/40	4828 - 4856
4	4591 - 4597	Cement Squeeze	4591 - 4597
4	4542 - 4544	500 g 15% MCA	4542 - 4544
4	4520 - 4526		
4	4509 - 4514	250 g 15% MCA	4509 - 4526
4	4282 - 4290	500 g 15% MCA	4282 - 4290



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 142497
Invoice Date: Apr 7, 2014
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	62029	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Apr 7, 2014	5/7/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Berning #2-3 drilling 4-22-14 JK AFE 14.073		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
237.56	CEMENT SERVICE	Cubic Feet Charge	2.48	589.15
540.50	CEMENT SERVICE	Ton Mileage Charge	2.60	1,405.30
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	76.25	76.25
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		

oel
JK
APR 23 2014
ye

Subtotal	9,002.45
Sales Tax	376.18
Total Invoice Amount	9,378.63
Payment/Credit Applied	
TOTAL	9,378.63

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

\$ 2,677.86

ONLY IF PAID ON OR BEFORE
May 2, 2014

ALLIED OIL & GAS SERVICES, LLC 062029

Federal Tax I.D. # 20-8651476

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

SERVICE POINT: Oakley, KS

DATE <u>4-7-14</u>	SEC. <u>3</u>	TWP. <u>18^s</u>	RANGE <u>35^w</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00PM</u>	JOB FINISH <u>3:30PM</u>
LEASE <u>Beining</u>		WELL# <u>2-3</u>		LOCATION <u>Mitchell E to Rd 22</u>		COUNTY <u>Wichita</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				2 1/2 N E into			

CONTRACTOR Duke #4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 TD. 346
 CASING SIZE 8 5/8 DEPTH 346
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 21661

OWNER James
 CEMENT
 AMOUNT ORDERED 225 SKS com 30cc
 COMMON 225 @ 17⁰⁰ 4027⁵⁰
 POZMIX @
 GEL @
 CHLORIDE 8 SKS @ 64⁰⁰ 512⁰⁰
 ASC @
 HANDLING 237.56 cutt @ 2⁰⁰ 572¹⁶
 MILEAGE 10.81 ten x 50 x 2⁰⁰ 1405³⁰
 (1960.17/30%) TOTAL 6533⁹⁶

EQUIPMENT
 PUMP TRUCK CEMENTER Kelly Gabel
 # 422 HELPER Wayne M. Gaby
 BULK TRUCK
 # 373 & 310 DRIVER Juan T (TOS)
 BULK TRUCK
 # DRIVER

REMARKS:
Rigged up
mixed cement
released plug
displaced with water
shut in
 Thank You
 Kelly + crew

CHARGE TO: Lasso Oil & Gas
 STREET
 CITY STATE ZIP

As per bid
 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

SERVICE
 DEPTH OF JOB 346'
 PUMP TRUCK CHARGE 1512³⁵
 EXTRA FOOTAGE @
 MILEAGE M. HV 50 @ 7⁰⁰ 385⁰⁰
 MANIFOLD HEAD @ 275⁰⁰
M. LV 50 @ 4⁰⁰ 220⁰⁰
 (717.69/30%) TOTAL 2392²⁵

PLUG & FLOAT EQUIPMENT
 1-8 5/8 wooden Plug @ 76²⁵
 (0%) TOTAL 76²⁵

SALES TAX (If Any)
 TOTAL CHARGES 9,002.46
 DISCOUNT 2,677.86 (30%) IF PAID IN 30 DAYS
Bid 6,324.59 Net.

No copy

BID SHEET



Hide/Unhide Rows

Date	March 26, 2014
Ticket Number	
Service Point:	Oakley, KS
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452

Manager	Terry Helorich
E-mail	terry.helorich@alliedservices.com
Mobile Phone	785-673-9376

Company	Lario Oil & Gas	Prepared For:	Jay Schwelkert	Well Data	
Address	301 S Market	Business Phone:	316-265-5611	Open Hole	12 1/4
Address	Wichita, KS 67202	Email:	jrschwelkert@lariooil.com	Depth	340
Well Name	0e1nng	Mobile Phone:		String	01 Surface
Well Number	#2-3	Prepared By:	Neal Rupp	Casing Size	8 5/8
Field	Sec 3 - T195 - R35W	Email	neal.rupp@alliedservices.com	ID	8.095
County	Wichita	Mobile Phone:	316-250-7057	Weight	24.0
State	Kansas	Business Phone:	316-260-3368	Grade	1-55
City		Rig Contractor		Top (md)	
API Number		Rig Name/No.		Botm (md)	340
Specific Job Type	01 Surface	Rig Phone:		Thread	LTC
		Company Rep			
		Rep Phone No.			
		Mileage (one-way)	50		
		Proposal Date	3/26/2014		

OPERATIONS	Units	UOM	Cost per Unit	Total	Unit Net	Net	Cost per Unit	Cost Total	\$ GP	% GP
Casing Pump Charge @ 16 500'	1.00	for 6 hours	\$1,512.25	\$ 1,512.25	\$ 1,058.50	\$1,058.50				
Cementing Head Rental with Manifold	1.00	per day	\$275.00	\$ 275.00	\$ 192.50	\$192.50				
Subtotal				\$ 1,787.25		\$1,251.00				
EQUIPMENT SALES										
8 5/8 Wooden Plug	1.00	each	\$76.25	\$ 76.25	\$ 76.25	\$76.25	\$57.19	\$57.19	\$19.06	25.00%
Subtotal				\$ 76.25		\$76.25		\$57.19	\$19.06	25.00%
PRODUCTS										
CLASS A COMMON	225.00	per sack	\$17.90	\$ 4,027.50	\$ 12.53	\$2,819.25	\$0.00	\$0.00	\$2,819.25	100.00%
Calcium Chloride	8.00	per sack	\$64.00	\$ 512.00	\$ 44.80	\$358.40	\$15.00	\$120.00	\$238.40	66.5%
Subtotal				\$ 4,539.50		\$3,177.65		\$120.00	\$3,057.65	96.22%
TRANSPORT										
Products handling service charge	237.56	per cu. ft.	\$2.48	\$ 589.16	\$ 1.74	\$412.41				
Drays for Products	544.61	ton-mile	\$1.60	\$ 871.38	\$ 1.82	\$991.19				
Light Vehicle Mileage	50.00	per mile	\$4.40	\$ 220.00	\$ 3.08	\$154.00				
Heavy Vehicle Mileage	50.00	per mile	\$7.70	\$ 385.00	\$ 5.39	\$269.50				
Subtotal				\$ 2,610.15		\$1,827.11				
Totals:				\$ 9,013.15		\$6,332.08				
DISCOUNT: Operations			30.0%	(535.18)						
DISCOUNT: Equipment Sales			0.0%	0.00						
DISCOUNT: Products			30.0%	(1,361.85)						
DISCOUNT: Transport			30.0%	(783.05)						
DISCOUNT: ADDITIONAL ITEMS			30.0%	0.00						
			Total	(2,681.07)						

	Gross	Discount	Final	Costs:	\$ GP	% GP	
Services Total	\$4,397.40	\$1,319.22	\$3,078.18	Services	\$1,385.18	\$1,693.00	55.00%
Materials Total	\$4,615.75	\$1,301.85	\$3,253.90	Materials	\$177.19	\$3,076.71	94.55%
Final Total	\$9,013.15	\$2,681.07	\$6,332.08	Total	\$1,562.37	\$4,769.71	75.33%

ADDITIONAL ITEMS	Units	UOM	Cost per Unit	Total	Unit Net	Net
Additional hours, in excess of set hours	1.00	per hour	\$440.00	\$ 440.00	\$ 308.00	\$308.00



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 142670
Invoice Date: Apr 19, 2014
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	62038	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 19, 2014	5/19/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Berning #2-3		
190.00	CEMENT MATERIALS	ASC	20.90	3,971.00
485.00	CEMENT MATERIALS	Light Weight	16.50	8,002.50
950.00	CEMENT MATERIALS	Gilsonite	0.98	931.00
53.50	CEMENT MATERIALS	FL-160	18.90	1,011.15
25.00	CEMENT MATERIALS	Defoamer	9.80	245.00
121.00	CEMENT MATERIALS	Flo Seal	2.97	359.37
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
704.10	CEMENT SERVICE	Cubic Feet Charge	2.48	1,746.17
1,489.00	CEMENT SERVICE	Ton Mileage Charge	2.60	3,871.40
1.00	CEMENT SERVICE	Production -- Bottom Stage	3,099.20	3,099.20
1.00	CEMENT SERVICE	Production -- Top Stage	2,406.25	2,406.25
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	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Assembly with Plug	325.00	325.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
16.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	912.00
1.00	CEMENT SUPERVISOR	Kelly Gabel		

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

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

\$ 10,271.60

ONLY IF PAID ON OR BEFORE
May 14, 2014



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 142670
Invoice Date: Apr 19, 2014
Page: 2

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

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

Customer ID	Field Ticket #	Payment Terms	
Lario	62038	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 19, 2014	5/19/14

Quantity	Item	Description	Unit Price	Amount
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	OPERATOR ASSISTANT	Cory Brown		

Subtotal	34,739.44
Sales Tax	1,853.02
Total Invoice Amount	36,592.46
Payment/Credit Applied	
TOTAL	36,592.46

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

\$ 10,271.60

ONLY IF PAID ON OR BEFORE
May 14, 2014

ALLIED OIL & GAS SERVICES, LLC 062038

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley, KS

DATE <u>4-19-14</u>	SEC <u>3</u>	TWP <u>18S</u>	RANGE <u>36W</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30 PM</u>	JOB FINISH <u>7:30 PM</u>
LEASE <u>Berning</u>		WELL # <u>2-3</u>	LOCATION <u>Mariemont E to Rd 22</u>		COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>2 1/2 N into</u>				

CONTRACTOR Duke #4
 TYPE OF JOB Production (2-stage)
 HOLE SIZE 7 7/8 TD. 5050'
 CASING SIZE 5 1/2 DEPTH 5049
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Barrow DEPTH 2458
 PRES. MAX MINIMUM L
 MEAS. LINE SHOE JOINT 42.21
 CEMENT LEFT IN CSG. 42.21'
 PERFS.
 DISPLACEMENT 122.16

OWNER Samx
 CEMENT
 AMOUNT ORDERED 190 SKS ASC 10% salt
5th gilsonite 22 gal, 320 Fl-160, 140
deformed, 485 SKS like 1/4" fl-160
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC 190 SKS @ 30.00 5700.00
like 485 SKS @ 16.00 7760.00
Gilsonite 450 # @ .98 441.00
Fl-160 53.5 # @ 18.00 963.00
Deformer 25 # @ 9.80 245.00
Fl-160 seal 121 # @ 2.97 359.37
super flush 120 @ 5.80 696.00
 HANDLING 209.10 cost @ 2.48 518.56
 MILEAGE 29.78 + tax 50 x 2.60 387.14
(6252.59/30%) TOTAL 20841.99

EQUIPMENT
 PUMP TRUCK CEMENTER Kelly G
 # 431422 HELPER Wayne M
 BULK TRUCK # 891430
 # 891430 DRIVER Joan M (TWS)
 BULK TRUCK # 891430
 # 891430 DRIVER Cory B

SERVICE
 DEPTH OF JOB _____ 5049
 PUMP TRUCK CHARGE _____ 2406.25 3099.20
 EXTRA FOOTAGE _____ @ _____
 MILEAGE MILVU 50 @ 7.70 385.00
 MANIFOLD Head @ 275.00
MILVU 50 @ 4.40 220.00
(1,915.65/30%) TOTAL 6385.50

REMARKS:
rigged up circulated on bottom
for 1 1/2 hr, mixed mud flush, mixed
190 SKS Asc washed out pumps, displaced
plug with bobbl water & bobbl mud with
9.18 pressure @ plug landed @
dropped bomb opened well circulated for
3 hrs plugged & thw 30 SKS 20 SKS & mixed
435 SKS like down center, displaced plug
with pressure 80 #
plug landed @ 152 #
Cement did circulate Kelly crew
 CHARGE TO: Lario Oil & Gas

STREET _____
 CITY _____ STATE _____ ZIP _____

As Per bid
 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.

(w) PLUG & FLOAT EQUIPMENT
AFU float shoe @ 545.00
(5) Latch down Ass'y w/ plug @ 325.00
DU 5001 @ 533.50
Basket @ 395.00
Centralizer (16) @ 57.00 912.00
(2,103.36/28%) TOTAL 752.00

PRINTED NAME DARIN DRESSEL
 SIGNATURE Darin D. Dressel

SALES TAX (If Any) _____
 TOTAL CHARGES 34,739.49
 DISCOUNT 10,271.60 (30%/28%) IF PAID IN 30 DAYS
24,467.89 Net.
Bid

BID SHEET



Hide/Unhide Rows

Date	March 26, 2014
Ticket Number	
Service Point:	Oakley, KS
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452

Manager	Terry Heimlich
E-mail	terry.heimlich@alliedoil.com
Mobile Phone	785-673-9376

Company	Lario Oil & Gas	Prepared For:	Jay Schwelkert	Well Data	
Address	301 S Market	Business Phone:	316-265-5611	Open Hole	7 7/8
Address	Wichita, KS 67202	Email:	jrschwelkert@lariooil.com	Depth	5,150
Well Name	Berling	Mobile Phone:		String	4 Port Collar/Stage
Well Number	02-3	Prepared By:	Neal Rupp	Casing Size	5 1/2
Field	SE,NE,NW Sec: 1 - T19S - R3	Email	neal.rupp@alliedservices.com	ID	4,950
County	Wichita	Mobile Phone:	316-250-7057	Weight	15.5
State	Kansas	Business Phone:	316-260-3368	Grade	1.55
City		Rig Contractor		Top (md)	
API Number		Rig Name/No.		Btm (md)	0
Specific Job Type	04 Port Collar/Stage	Rig Phone:		Thread	5,150
		Company Rep			
		Rep Phone No.			
		Mileage (one-way)	50		
		Proposal Date	3/26/2014		

OPERATIONS	Units	UOM	Cost per Unit	Total	Unit Net	Net	Cost per Unit	Cost Total	\$ GP	% GP
Casing Pump Charge 5001' to 6000'	1.00	for 6 hours	\$3,099.25	\$ 3,099.25	\$ 2,169.48	\$2,169.48				
Stage Job - Additional Stages	1.00	min. 4 hr	\$2,406.25	\$ 2,406.25	\$ 1,684.38	\$1,684.38				
Cementing Head Rental with Manifold	1.00	per day	\$275.00	\$ 275.00	\$ 192.50	\$192.50				
Subtotal				\$ 5,780.50		\$4,046.35				
EQUIPMENT SALES										
5 1/2 AFH Float Shoe	1.00	each	\$545.00	\$ 545.00	\$ 392.40	\$392.40	\$57.19	\$57.19	\$335.21	85.4%
5 1/2 Latch Down Plug	1.00	each(blue)	\$325.00	\$ 325.00	\$ 234.00	\$234.00	\$50.63	\$50.63	\$183.37	78.4%
5 1/2 Stage Collar Standard	1.00	each	\$5,335.00	\$ 5,335.00	\$ 3,841.20	\$3,841.20	\$3,447.31	\$3,447.31	\$393.69	10.3%
5 1/2 Cement Basket	1.00	each	\$395.00	\$ 395.00	\$ 284.40	\$284.40	\$170.00	\$170.00	\$114.40	40.2%
5 1/2 Centralizer	16.00	each	\$57.00	\$ 912.00	\$ 41.04	\$656.64	\$24.57	\$393.12	\$263.52	40.1%
Subtotal				\$ 7,512.00		\$5,408.64		\$4,118.25	\$1,290.39	23.86%
PRODUCTS										
Super Flush	12.00	per bbl	\$58.70	\$ 704.40	\$ 41.09	\$893.08	\$46.06	\$552.72	-\$59.64	-12.1%
ALLIED SPECIAL BLEND CEMENT - CLASS A	225.00	per sack	\$20.90	\$ 4,702.50	\$ 14.63	\$3,291.75	\$0.00	\$0.00	\$3,291.75	100.0%
FL-16 Fluid Loss Additive - High Temperature	64.00	per pound	\$18.90	\$ 1,209.60	\$ 13.23	\$846.72	\$3.98	\$254.72	\$592.00	69.9%
Kal Seal	1125.00	per pound	\$0.98	\$ 1,102.50	\$ 0.69	\$771.75	\$0.22	\$247.50	\$524.25	67.9%
Powdered Defoamer	32.00	per pound	\$9.80	\$ 313.60	\$ 6.86	\$219.52	\$0.87	\$27.84	\$191.68	87.3%
ALLIED LIGHT WEIGHT CEMENT: TYPE 1 - CLASS A	395.00	per sack	\$16.50	\$ 6,517.50	\$ 11.55	\$4,562.25	\$0.00	\$0.00	\$4,562.25	100.0%
Flo Seal	99.00	per pound	\$2.97	\$ 294.03	\$ 2.08	\$205.82	\$1.08	\$106.92	\$98.90	48.1%
ALLIED LIGHT WEIGHT CEMENT: TYPE 1 - CLASS A	45.00	per sack	\$16.50	\$ 742.50	\$ 11.55	\$519.75	\$0.00	\$0.00	\$519.75	100.0%
Flo Seal	17.00	per pound	\$2.97	\$ 50.49	\$ 2.08	\$29.35	\$1.08	\$12.96	\$11.99	48.1%
Subtotal				\$ 15,622.27		\$10,935.59		\$1,202.66	\$9,732.93	89.00%
TRANSPORT										
Products handling service charge	781.81	per cu. Ft.	\$2.48	\$ 1,938.90	\$ 1.74	\$1,357.23				
Drayage for Products	1649.83	ton-mile	\$2.60	\$ 4,289.55	\$ 1.82	\$3,002.68				
Light Vehicle Mileage	50.00	per mile	\$4.40	\$ 220.00	\$ 3.08	\$154.00				
Heavy Vehicle Mileage	50.00	per mile	\$7.70	\$ 385.00	\$ 5.39	\$269.50				
Subtotal				\$ 6,833.44		\$4,783.41				
Totals:				\$ 35,748.21		\$25,173.99				
DISCOUNT: Operations			30.0%	(1,734.15)						
DISCOUNT: Equipment Sales			28.0%	(2,103.36)						
DISCOUNT: Products			30.0%	(4,686.69)						
DISCOUNT: Transport			30.0%	(2,050.03)						
DISCOUNT: ADDITIONAL ITEMS			30.0%	0.00						
Total				(10,574.22)						

Services Total	Grass	\$12,813.84	Discount	\$3,784.18	Final	\$8,829.76	Costs:	\$3,973.39	\$ GP	\$4,856.37	% GP	55.00%
Materials Total		\$23,134.27		\$6,790.04		\$16,344.23	Materials	\$5,320.91	\$11,023.32		67.44%	
Final Total		\$35,748.21		\$10,574.22		\$25,173.99	Total	\$9,294.30	\$15,879.69		63.08%	

ADDITIONAL ITEMS		Units	UOM	Cost per Unit	Total
Additional hours, in excess of set hours	1.00	per hour	\$440.00	\$ 440.00	\$ 308.00



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
FINV
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 # 268058

=====
Invoice Date: 05/14/2014 Terms: 15/15/30,n/30 Page 1

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

BERNING 2-3
44498
3-18S-35W
05-07-2014
KS

Drilling
AFE-14-073
CK 5/17/14

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	70.00	18.5500	1298.50
Sublet Performed				Total
9996-130	CEMENT MATERIAL DISCOUNT			-194.78
9995-130	CEMENT EQUIPMENT DISCOUNT			-393.75
Description	Hours	Unit Price	Total	
460 MIN. BULK DELIVERY	1.00	430.00	430.00	
460 SQUEEZE MANIFOLD	1.00	200.00	200.00	
T-118 SQUEEZE PUMP (KICK OFF PLUG PUMP)	1.00	1785.00	1785.00	
T-118 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00	

Ye
[Signature]
Ye

Amount Due 4029.33 if paid after 06/13/2014

=====
Parts: 1298.50 Freight: .00 Tax: 89.96 AR 3424.93
Labor: .00 Misc: .00 Total: 3424.93
Sublt: -588.53 Supplies: .00 Change: .00
=====

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

268058

TICKET NUMBER 44498
LOCATION Oakley KS
FOREMAN Walt Dunkel

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
5-7-14	4793	Bernier, 2-3	3	18 S	35W	Wichita
CUSTOMER		Mannath				
MAILING ADDRESS		2E 2N E.S				
CITY		STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #
				528-T18	Jordan L	
				460	Jerom R.	
					Robert Somers	
					Ride along	

JOB TYPE Squeeze HOLE SIZE 7 7/8" HOLE DEPTH _____ CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8" OTHER return 4572'
SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE 2 1/2 BPM @ 1400#

REMARKS: Safety Meeting, Rig up on well, Loaded tracks
Prof 500#, shut in, Took rate: 2 1/2 BPM @ 1400#, mixed 70 lbs cement,
Clear Pump + Lines, Displace 24 BBL H₂O Squeeze to 1500#,
Pull up + Circ Clean

Thank You
Walt + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401B	1	PUMP CHARGE	1,785.00	1,785.00 ✓
5406	40	MILEAGE	.525	210.00 ✓
5407	3.29	Ton Mileage Delivery	1.75	430.00 ✓
11045	70	Class A	18.55	1,298.50 ✓
5013	1	Squeeze manifold	200.00	200.00 ✓
				3,923.50 ✓
			15% Discount	588.53 ✓
				3,334.97 ✓
			SALES TAX	89.96 ✓
			ESTIMATED TOTAL	3424.93 ✓

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

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.



PAGE 1 of 1	CUST NO 1002301	INVOICE DATE 05/05/2014
INVOICE NUMBER 1717 - 91481952		

Liberal (620) 624-2277

B LARIO OIL & GAS
I PO Box: 1093
L GARDEN CITY
L KS US 67846
T
O ATTN: ACCOUNTS PAYABLE

J LEASE NAME **Berning #2-3**
O LOCATION completion
B COUNTY Wichita AFE 14 073
S STATE KS 5-8-14 LF
I JOB DESCRIPTION Frac Job-Producing Well
T JOB CONTACT
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40719293	19842	AFE #14-073	Net - 30 days	06/04/2014	
<i>For Service Dates: 05/02/2014 to 05/02/2014</i>					
0040719293					
171705775A Frac Job-Producing Well 05/02/2014 Bucket Frac					
ProGel 300		9,000.00	EA	0.29	2,565.00
KNE-1		5.00	EA	35.15	175.75
580 ME Surfactant		9.00	EA	39.90	359.10
Claymax		5.00	EA	33.25	166.25
Bio-3, Powdered Biocide		1.00	EA	63.08	63.08
Breaker 10L		1.00	EA	166.25	166.25
20-40 mesh and smaller		50.00	BAG	29.45	1,472.50
Heavy Equipment Mileage		125.00	MI	6.65	831.25
Blending & Mixing Service Charge		125.00	BAG	4.04	504.69
Rock Salt Plug - Mini Blender Charge		1.00	EA	427.50	427.50
"Service Supervisor, first 8 hrs on loc.		1.00	EA	166.25	166.25
Acid Pump Service		1.00	EA	855.00	855.00

[Handwritten signatures and initials]

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,752.62
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	226.95
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	7,979.57
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		

Customer Lario		Lease No.		Date	
Lease Berning Oil & Gas		Well # 2-3		4-1-14	
Field Order #	Station	Casing	Depth	County Wichita	State KS
Type Job			Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2"	2 7/8"			Pre Pad	Max 6.6	1200	5 Min.	
Depth 64'	Depth 1770'	From 4828'	To 4856'	Pad 2000 gallons	Min 5.6	550	10 Min.	
Volume 3.1 bbl	Volume	From	To	Frac 4000 gallons Probsol 500	Avg 6	700	15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush 30 bbl	Gas Volume		Total Load 173.6 bbl	
Plug Depth	Parting Depth 1770'	From	To					

Customer Representative Mike	Station Manager Jerry Bennett	Treater Ruben Martinez / Norm Odier
Service Units 78940	38750	12842
Driver Names Ruben Carlos		

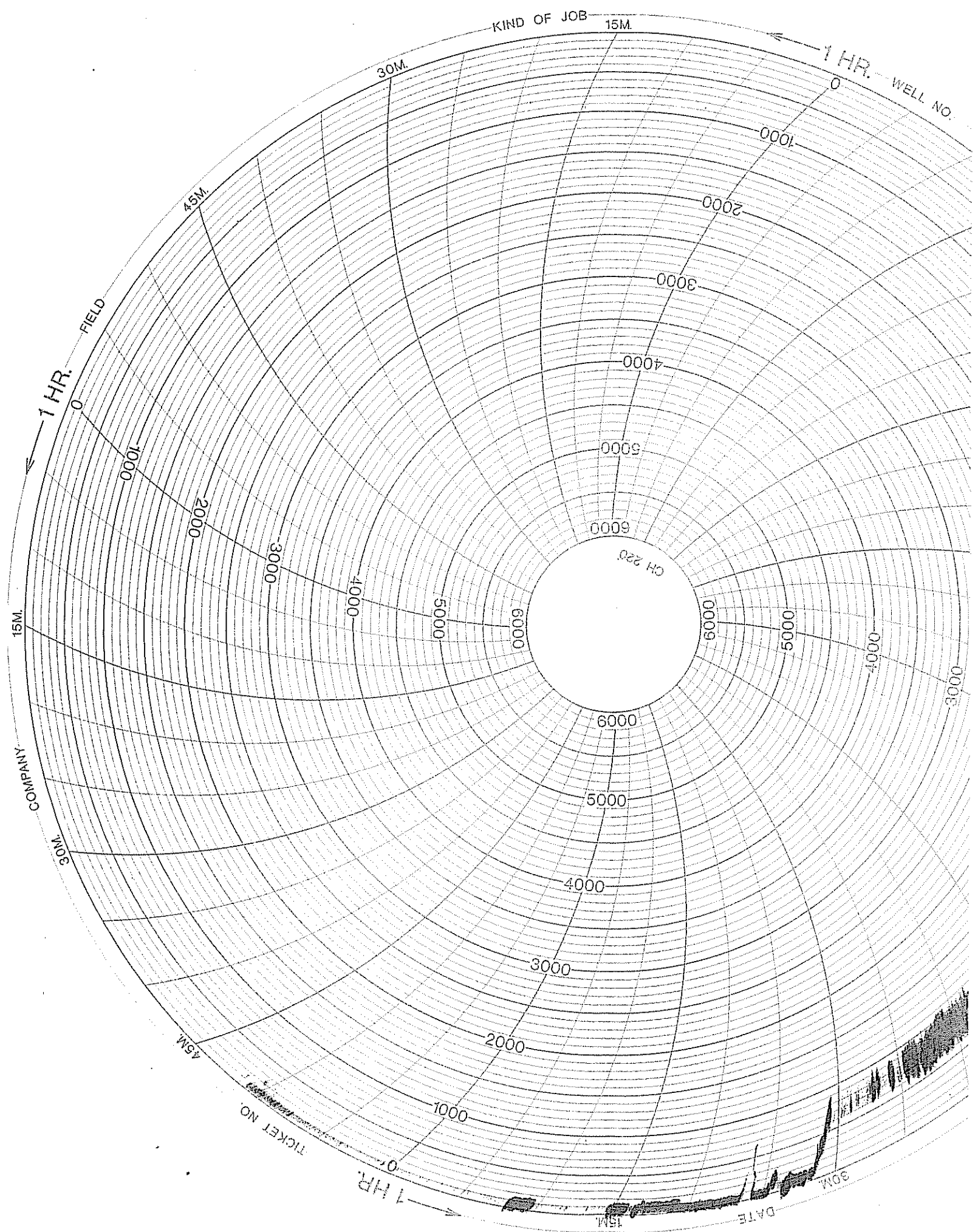
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0730					On location - Rig up
0800					Safety Meeting
0922		4000			Pressure Test
0923		600	47.6	6	Pump PAD 2000 gallons
0930		600	24	6	Pump 1/4" Sand 1000 gallons .25"
0935		700	24	6	Pump 1/2" Sand 1000 gallons .50"
0940		700	24	6	Pump 3/4" Sand 1000 gallons .75"
0945		700	24	6	Pump 1" Sand 1000 gallons 1.00"
0950		1200	30	6	Pump Displacement 1200 gallons 1
0955		600			Shut Down - Rig Down Well held Pressure
1000		500			
1005		450			
1040		400			
1011		0			Release Pressure - Rig Down

4-2-14

LARIO

Berning

BUCKET FRAC



KIND OF JOB 15M

1 HR. WELL NO.

30M

4.5M

FIELD

1 HR.

CH 220

15M

COMPANY

30M

4.5M

TICKET NO.

1 HR.

DATE

30M

15M

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2000

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1 HR.

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30M

4.5M

FIELD

1 HR.

CH 220

15M

COMPANY

30M

4.5M

TICKET NO.

1 HR.

DATE

30M

15M

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30M

4.5M

FIELD

1 HR.

CH 220

15M

COMPANY

30M

4.5M

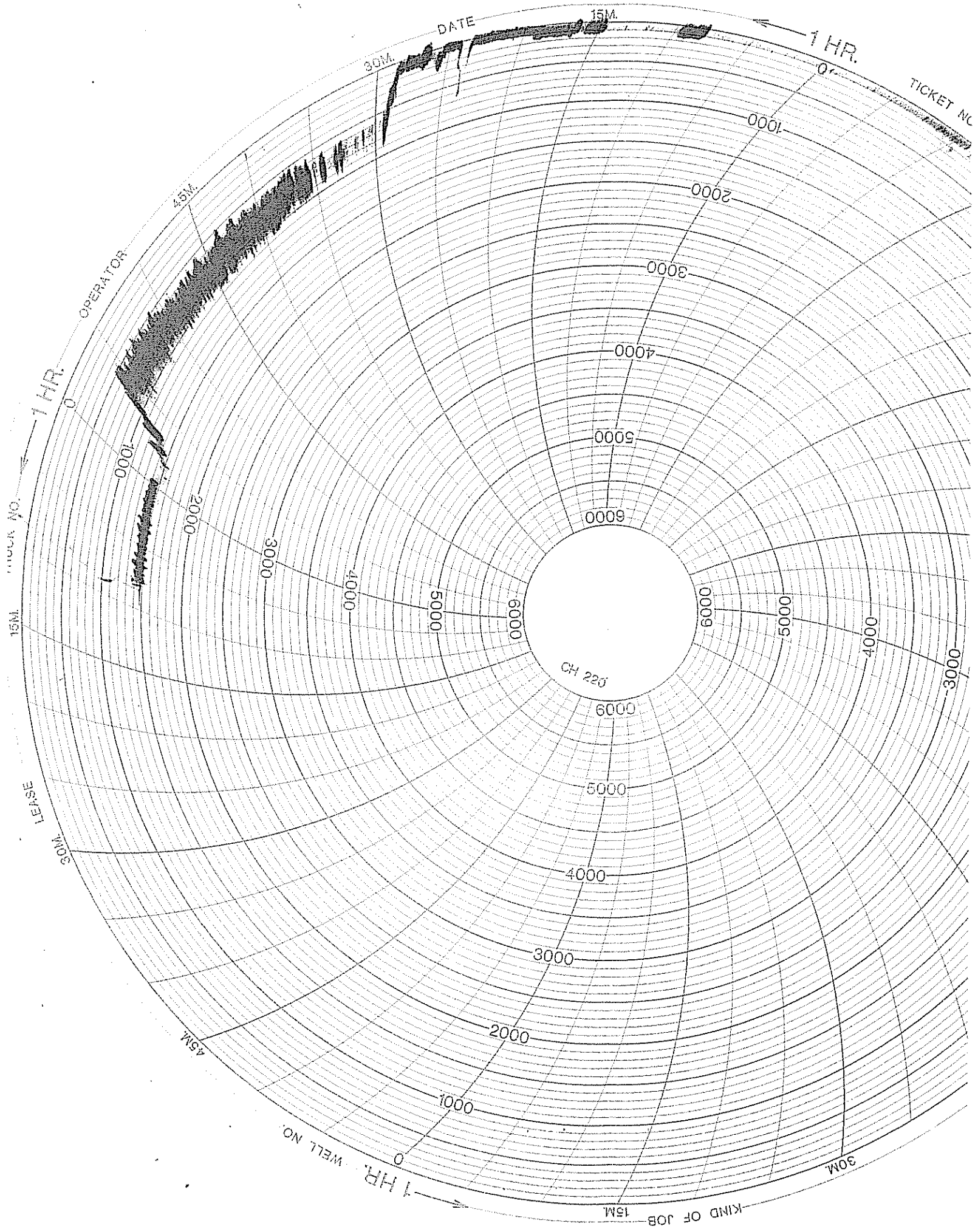
TICKET NO.

1 HR.

DATE

30M

15M



DATE

15M.

1 HR.

TICKET NO.

30M.

45M.

OPERATOR

1 HR.

BOOK NO.

15M.

LEASE

30M.

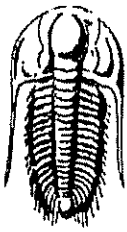
45M.

WELL NO.

1 HR.

KIND OF JOB

30M.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56431

DST#: 1

ATTN: Steve Davis

Test Start: 2014.04.11 @ 15:54:15

GENERAL INFORMATION:

Formation: **Lower Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:59:45

Time Test Ended: 22:53:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 3872.00 ft (KB) To 3941.00 ft (KB) (TVD)

Reference Elevations: 3202.00 ft (KB)

Total Depth: 3941.00 ft (KB) (TVD)

3193.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: 213.52 psig @ 3875.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.11

End Date: 2014.04.11

Last Calib.: 2014.04.11

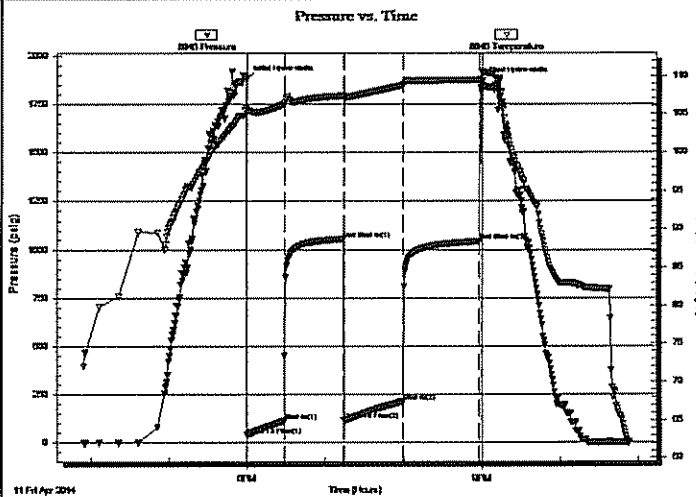
Start Time: 15:54:15

End Time: 22:53:00

Time On Btm: 2014.04.11 @ 17:59:30

Time Off Btm: 2014.04.11 @ 21:00:00

TEST COMMENT: IF:BOB in 19 min.
IS:No return blow
FF:BOB in 23 min.
FS:No return blow



PRESSURE SUMMARY

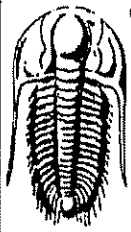
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.75	105.89	Initial Hydro-static
1	39.14	105.19	Open To Flow (1)
29	113.79	106.30	Shut-In(1)
75	1055.06	107.38	End Shut-In(1)
75	115.59	106.99	Open To Flow (2)
120	213.52	108.78	Shut-In(2)
179	1043.51	109.44	End Shut-In(2)
181	1871.58	110.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	w com real thick oil 10%w 40%o 50% m	0.42
248.00	ocw m 2%o 28%w 70% m	3.48
124.00	mcw 20% m 80% w	1.74

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56431

DST#: 1

ATTN: Steve Davis

Test Start: 2014.04.11 @ 15:54:15

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:

22000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	w com real thick oil 10%w 40%o 50% m	0.421
248.00	ocw m 2%o 28%w 70%m	3.479
124.00	mcw 20%m 80%w	1.739

Total Length: 402.00 ft Total Volume: 5.639 bbl

Num Fluid Samples: 0

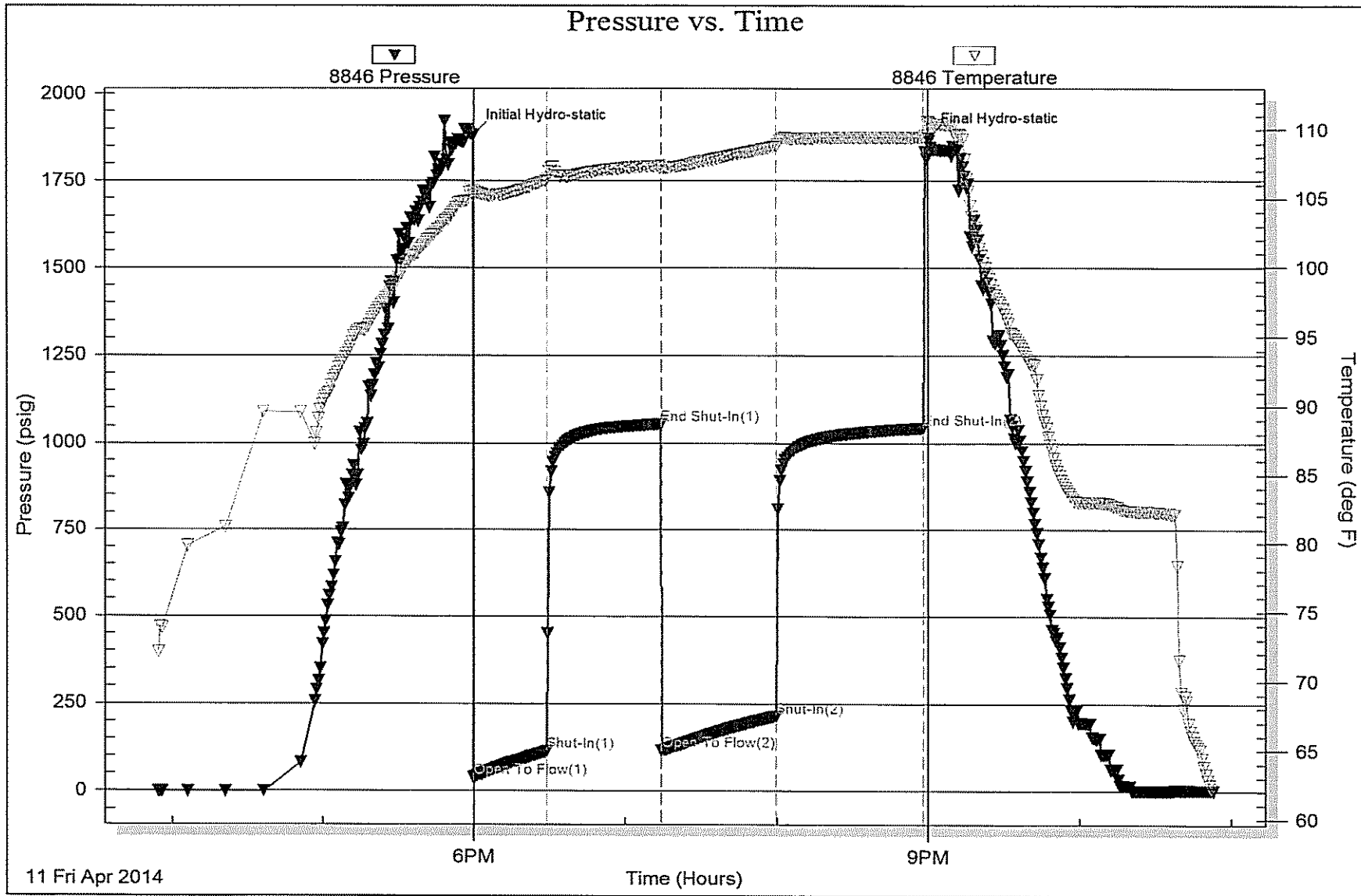
Num Gas Bombs: 0

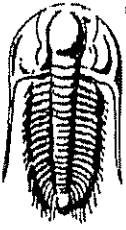
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .410 @ 65*= 22,000 ppm,





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56432

DST#: 2

ATTN: Steve Davis

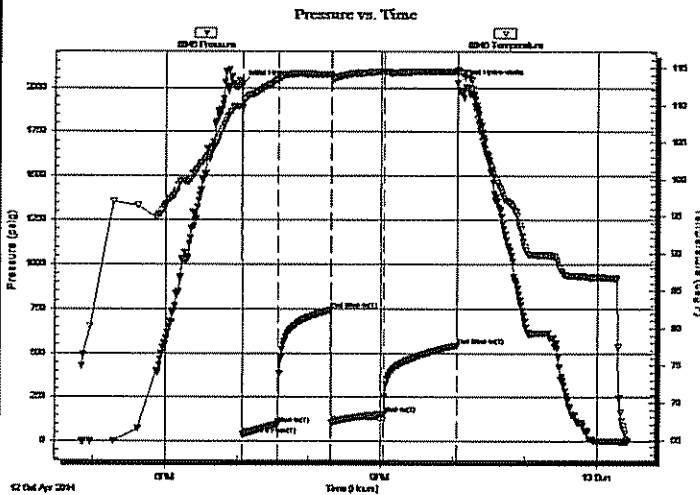
Test Start: 2014.04.12 @ 16:50:15

GENERAL INFORMATION:

Formation: **Lansing D**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:04:15 Tester: Mike Roberts
 Time Test Ended: 00:25:15 Unit No: 65
 Interval: 4130.00 ft (KB) To 4155.00 ft (KB) (TVD) Reference Elevations: 3202.00 ft (KB)
 Total Depth: 4155.00 ft (KB) (TVD) 3193.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 155.33 psig @ 4150.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.12 End Date: 2014.04.13 Last Calib.: 2014.04.13
 Start Time: 16:50:15 End Time: 00:25:15 Time On Btm: 2014.04.12 @ 19:03:45
 Time Off Btm: 2014.04.12 @ 22:03:45

TEST COMMENT: IF:BOB in 11 min.
 IS:No return blow
 FF:BOB in 14 min.
 FS:Return blow built to 2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2018.11	109.78	Initial Hydro-static
1	35.97	109.54	Open To Flow (1)
31	96.20	113.57	Shut-In(1)
75	741.33	114.09	End Shut-In(1)
76	105.14	113.78	Open To Flow (2)
119	155.33	114.48	Shut-In(2)
180	542.66	114.47	End Shut-In(2)
180	2026.33	114.77	Final Hydro-static

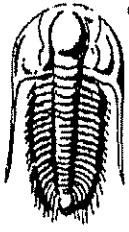
Recovery

Length (ft)	Description	Volume (bbl)
236.00	free oil 100% oil	3.31
62.00	mco 10% m 90% o	0.87
62.00	w com 10%w 20%o 70%m	0.87

* Recovery from multiple tests

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56432

DST#: 2

ATTN: Steve Davis

Test Start: 2014.04.12 @ 16:50:15

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:

23000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in³

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 bbf
236.00	free oil 100% oil	3.310
62.00	mco 10% m 90% o	0.870
62.00	w com 10%w 20%o 70%m	0.870

Total Length: 360.00 ft Total Volume: 5.050 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

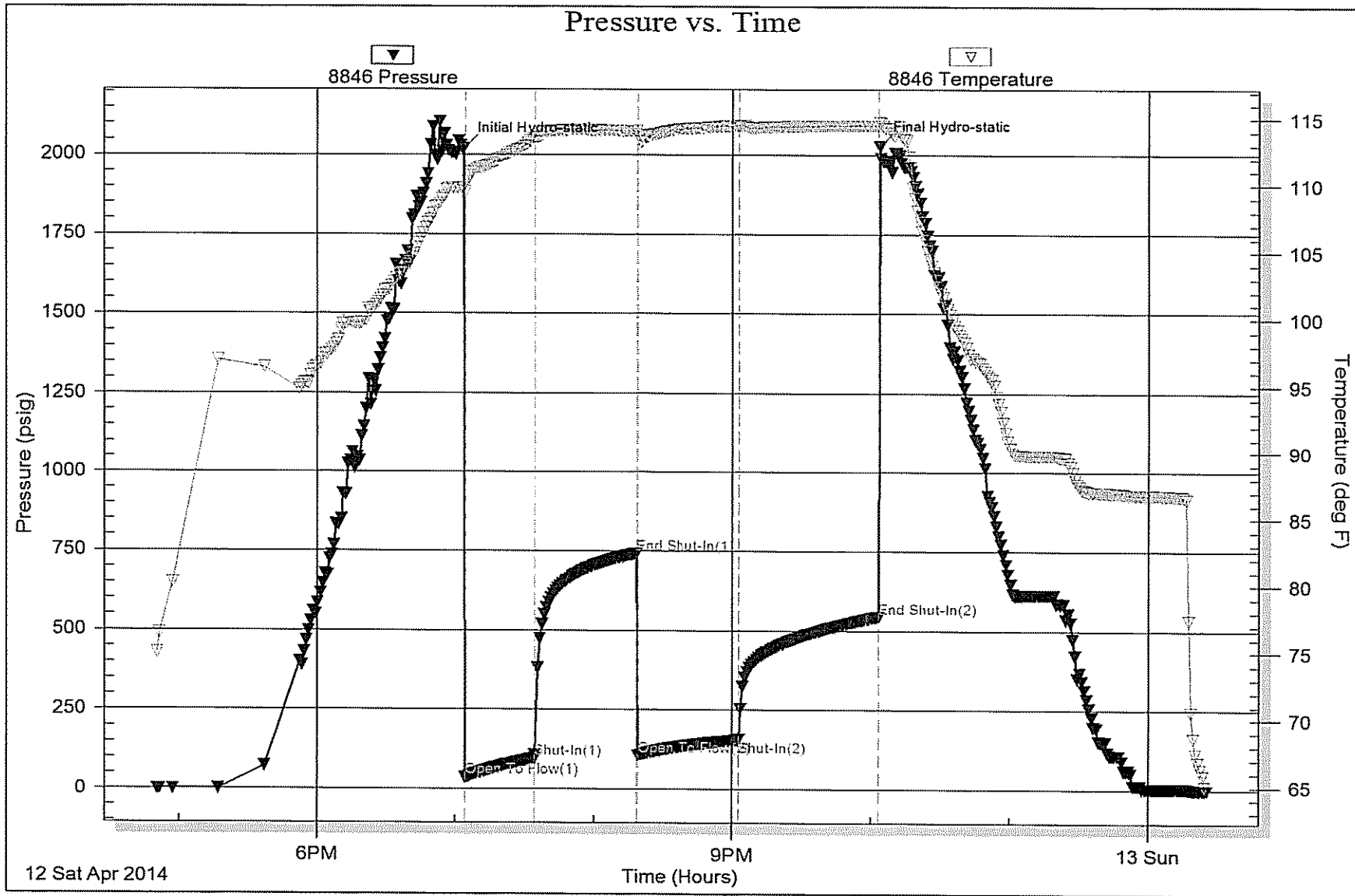
Serial #:

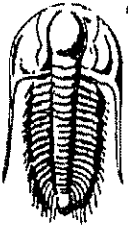
Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .416@ 68*=23,000 ppm

API= 29 @ 70 corrected to 28 @ 60





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56433

DST#: 3

ATTN: Steve Davis

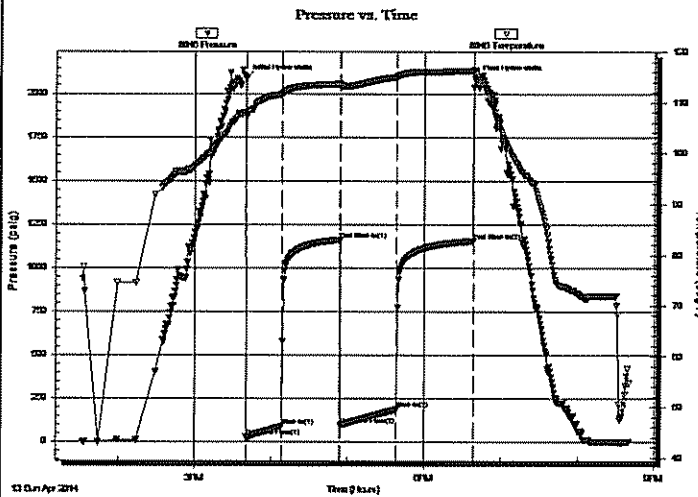
Test Start: 2014.04.13 @ 13:32:15

GENERAL INFORMATION:

Formation: **Lansing I**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:40:15
 Tester: Mike Roberts
 Time Test Ended: 20:39:45
 Unit No: 65
 Interval: 4263.00 ft (KB) To 4285.00 ft (KB) (TVD)
 Reference Elevations: 3202.00 ft (KB)
 Total Depth: 4285.00 ft (KB) (TVD)
 3193.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GRV/CF: 9.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 187.97 psig @ 4280.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.13 End Date: 2014.04.13 Last Calib.: 2014.04.13
 Start Time: 13:32:15 End Time: 20:39:45 Time On Btm: 2014.04.13 @ 15:40:00
 Time Off Btm: 2014.04.13 @ 18:40:00

TEST COMMENT: IF:BOB in 16 min.
 IS:No return blow
 FF:BOB in 19 min.
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2087.23	108.13	Initial Hydro-static
1	26.46	107.22	Open To Flow (1)
29	89.46	111.66	Shut-In(1)
74	1161.63	113.70	End Shut-In(1)
75	96.85	113.47	Open To Flow (2)
119	187.97	115.01	Shut-In(2)
179	1154.54	116.30	End Shut-In(2)
180	2088.01	115.69	Final Hydro-static

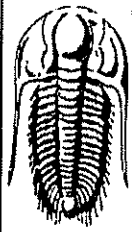
Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 30 ft	0.00
310.00	Free oil 100% o	4.35
124.00	gco 10%g 90%o	1.74
62.00	mcgo 10%m 20%g 70%o	0.87

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56433

DST#: 3

ATTN: Steve Davis

Test Start: 2014.04.13 @ 13:32:15

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:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 30 ft	0.000
310.00	Free oil 100% o	4.348
124.00	gco 10%g 90%o	1.739
62.00	mcgo 10%m 20%g 70%o	0.870

Total Length: 496.00 ft

Total Volume: 6.957 bbl

Num Fluid Samples: 0

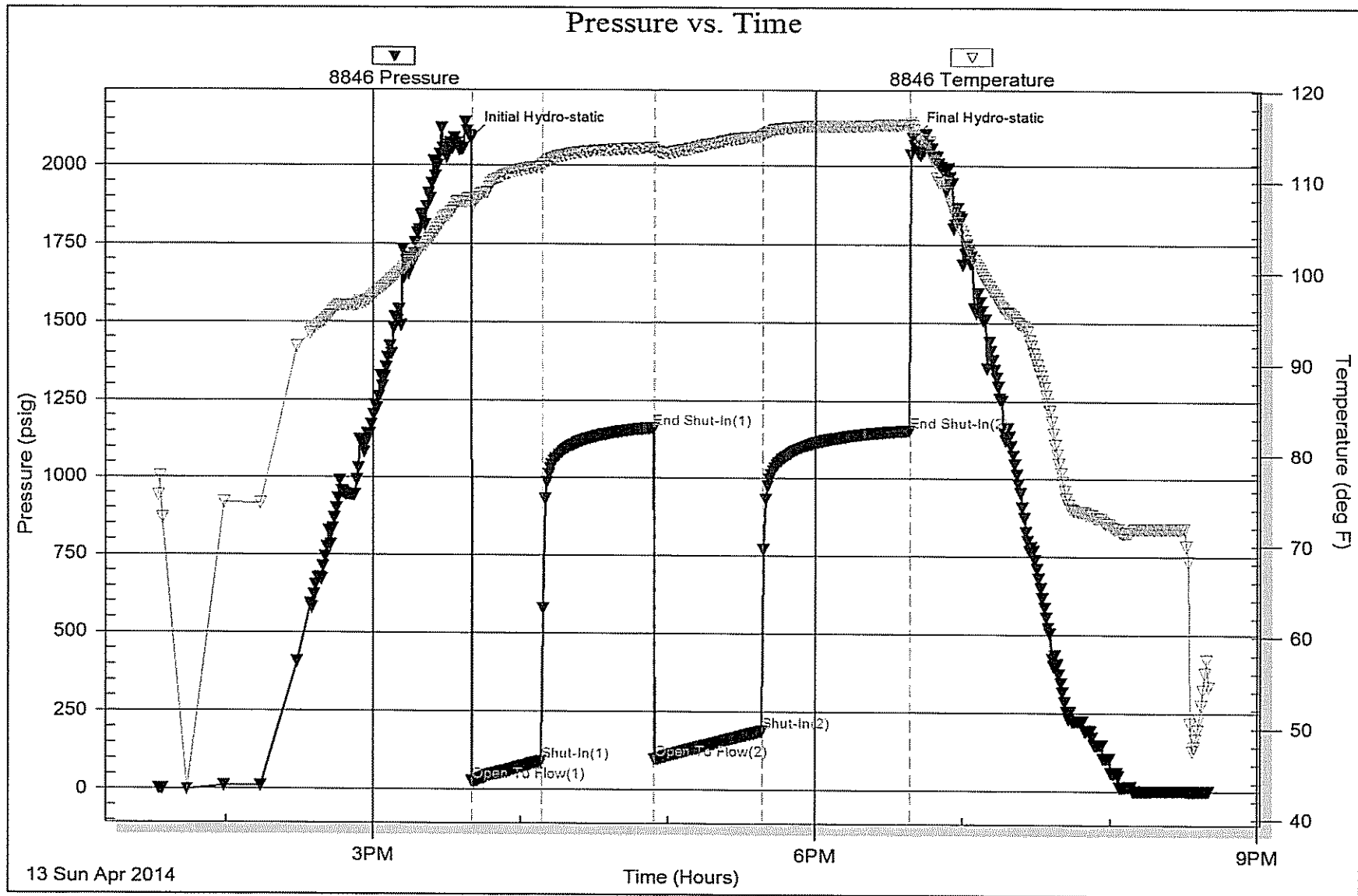
Num Gas Bombs: 0

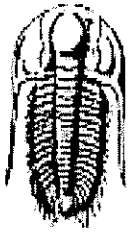
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=29 @ 70 corrected to 28 @ 60





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56434

DST#: 4

ATTN: Steve Davis

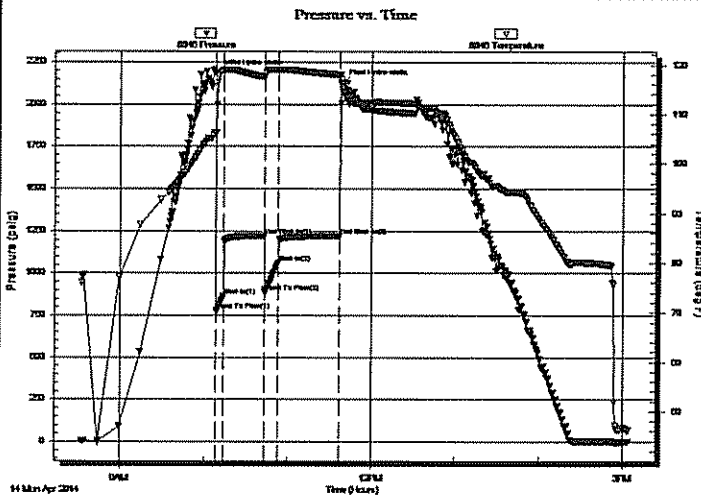
Test Start: 2014.04.14 @ 08:32:15

GENERAL INFORMATION:

Formation: **Lansing K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:08:30 Tester: Mike Roberts
 Time Test Ended: 15:04:15 Unit No: 65
 Interval: 4335.00 ft (KB) To 4357.00 ft (KB) (TVD) Reference Elevations: 3202.00 ft (KB)
 Total Depth: 4357.00 ft (KB) (TVD) 3193.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 1061.44 psig @ 4352.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.14 End Date: 2014.04.14 Last Calib.: 2014.04.14
 Start Time: 08:32:15 End Time: 15:04:15 Time On Btm: 2014.04.14 @ 10:08:15
 Time Off Btm: 2014.04.14 @ 11:38:30

TEST COMMENT: IF:BOB in 30 seconds
 IS:No return blow
 FF:BOB in 30 seconds
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.65	106.20	Initial Hydro-static
1	777.98	106.13	Open To Flow (1)
6	863.61	118.84	Shut-In(1)
35	1222.03	117.53	End Shut-In(1)
36	888.58	117.35	Open To Flow (2)
45	1061.44	118.95	Shut-In(2)
90	1221.39	117.89	End Shut-In(2)
91	2125.97	116.95	Final Hydro-static

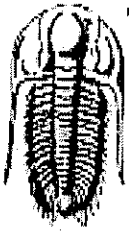
Recovery

Length (ft)	Description	Volume (bbl)
310.00	mud with slight show of oil	4.35
248.00	mcw 50%m 50%w	3.48
1612.00	sw 100% sw	22.61

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56434

DST#: 4

ATTN: Steve Davis

Test Start: 2014.04.14 @ 08:32:15

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:

23500 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mud with slight show of oil	4.348
248.00	mcw 50%m 50%w	3.479
1612.00	sw 100% sw	22.612

Total Length: 2170.00 ft Total Volume: 30.439 bbl

Num Fluid Samples: 0

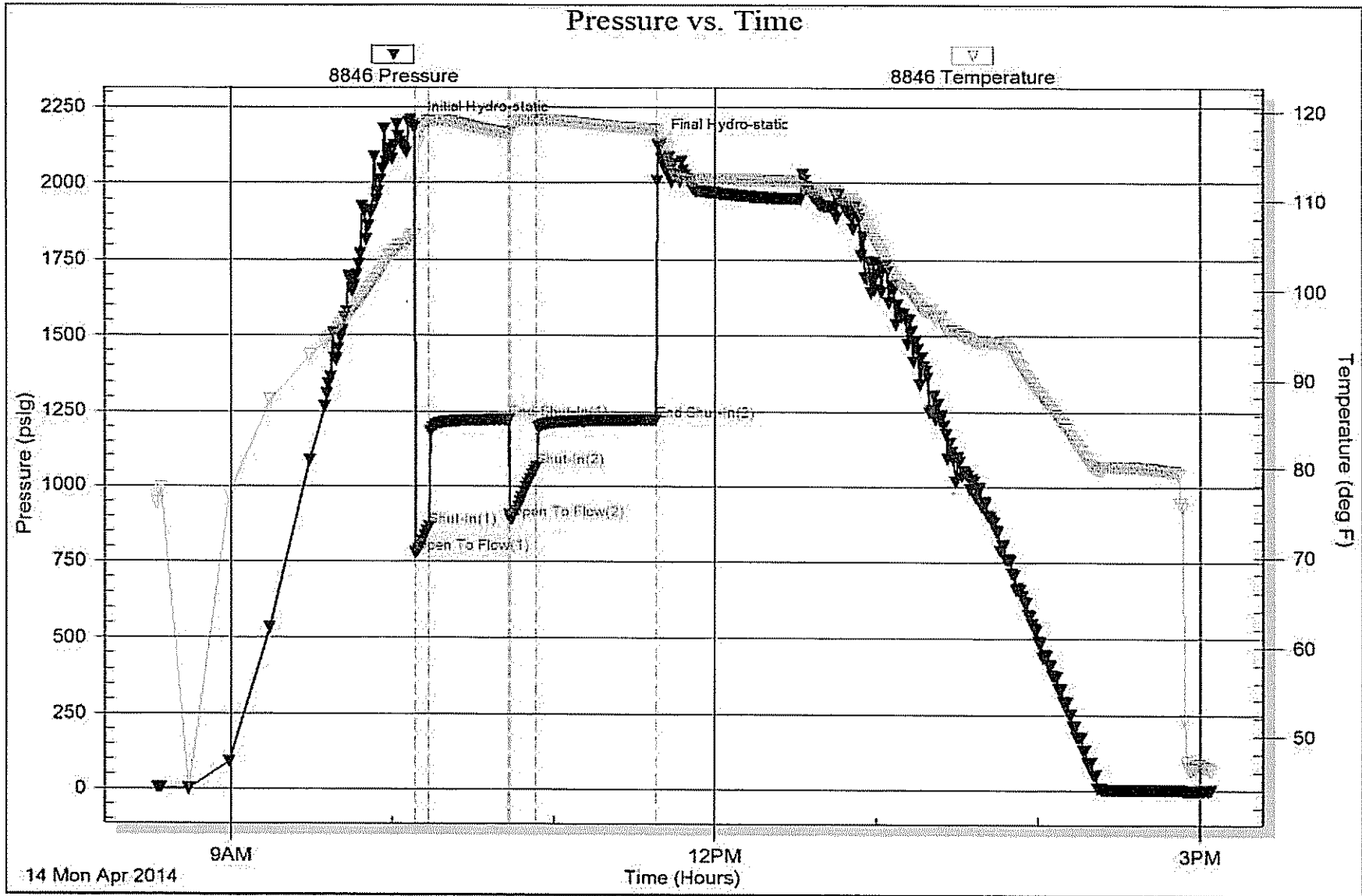
Num Gas Bombs: 0

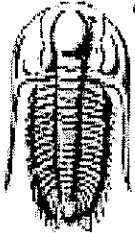
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .448@ 53.5*=23,500 ppm





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56435

DST#: 5

ATTN: Steve Davis

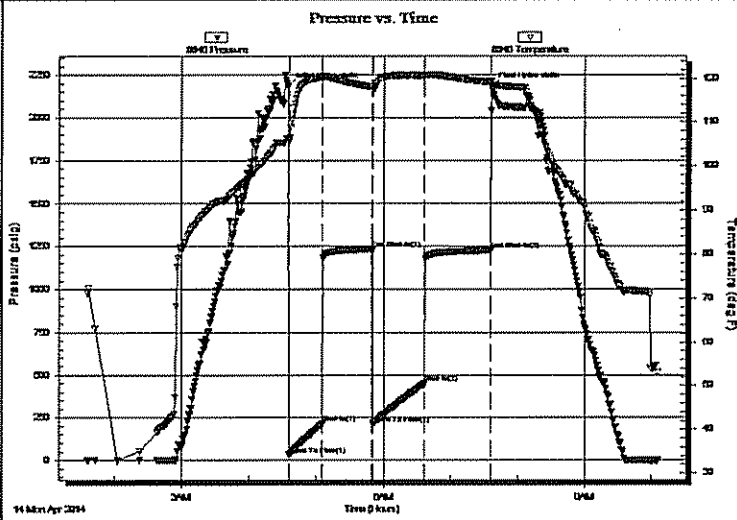
Test Start: 2014.04.14 @ 01:36:15

GENERAL INFORMATION:

Formation: K
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:35:45
 Time Test Ended: 10:05:30
 Interval: 4390.00 ft (KB) To 4418.00 ft (KB) (TVD)
 Total Depth: 4418.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3202.00 ft (KB)
 3193.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 448.18 psig @ 4413.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.14 End Date: 2014.04.14 Last Calib.: 2014.04.15
 Start Time: 01:36:15 End Time: 10:05:30 Time On Btm: 2014.04.14 @ 04:35:30
 Time Off Btm: 2014.04.14 @ 07:36:45

TEST COMMENT: IF:BOB in 8 min.
 IS:No return blow
 FF:BOB in 8 min.
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.08	106.14	Initial Hydro-static
1	30.05	105.65	Open To Flow (1)
31	217.56	120.28	Shut-In(1)
75	1235.07	117.98	End Shut-In(1)
75	213.78	117.66	Open To Flow (2)
122	448.18	120.70	Shut-In(2)
181	1229.01	119.19	End Shut-In(2)
182	2179.28	118.32	Final Hydro-static

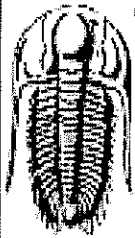
Recovery

Length (ft)	Description	Volume (bbl)
310.00	mud 100% _m	4.35
310.00	mcw 30% _m 70% _w	4.35
310.00	mcw 10% _m 90% _w	4.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56435

DST#: 5

ATTN: Steve Davis

Test Start: 2014.04.14 @ 01:36:15

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:

20000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
310.00	mud 100%m	4.348
310.00	mcw 30%m 70%w	4.348
310.00	mcw 10%m 90%w	4.348

Total Length: 930.00 ft Total Volume: 13.044 bbf

Num Fluid Samples: 0

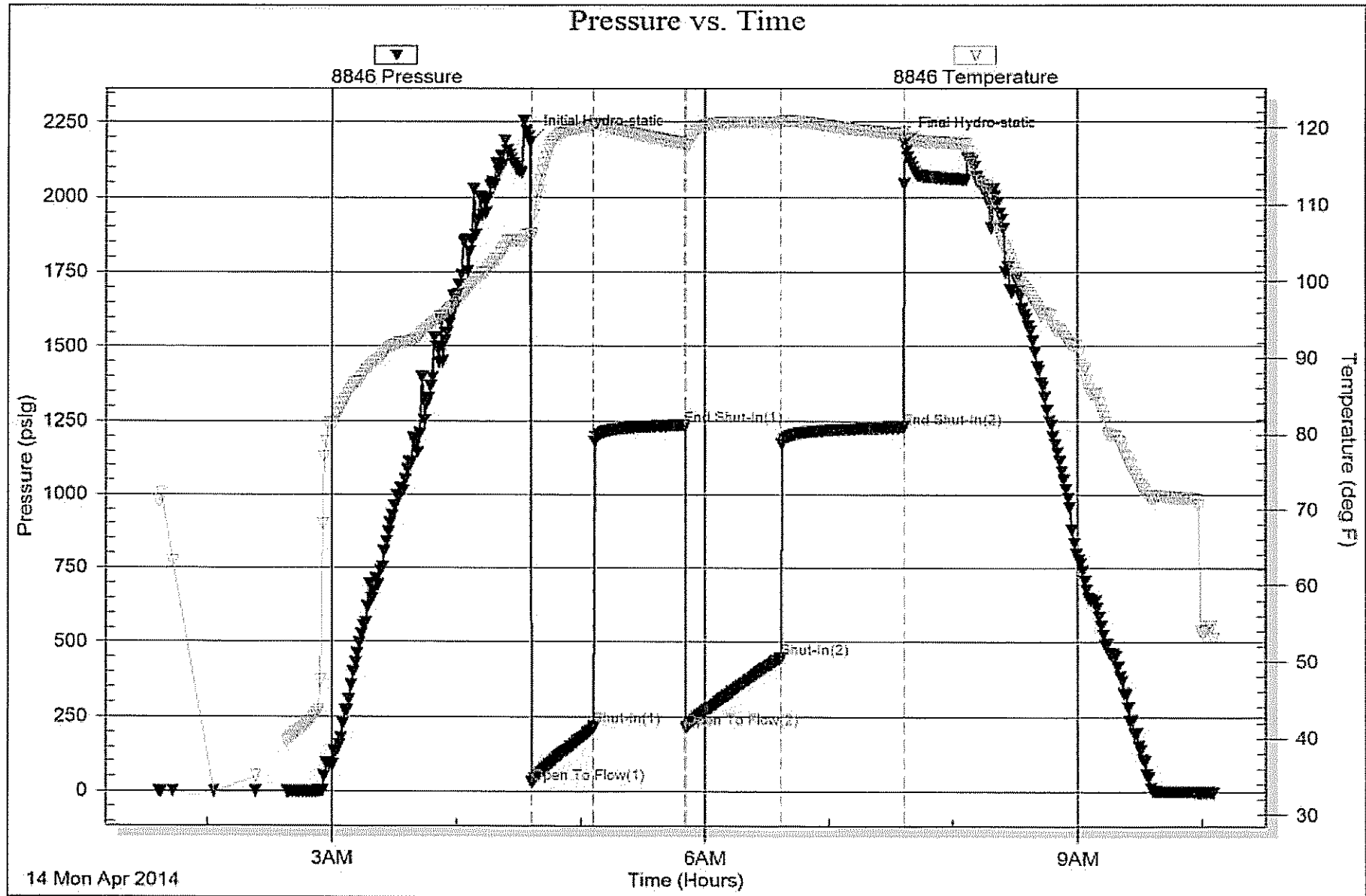
Num Gas Bombs: 0

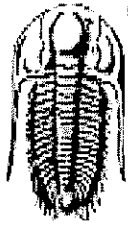
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .479@ 50.1 *=20,000 ppm





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56436

DST#: 6

ATTN: Steve Davis

Test Start: 2014.04.15 @ 01:23:15

GENERAL INFORMATION:

Formation: **Marmaton A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:08:00

Time Test Ended: 09:46:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4490.00 ft (KB) To 4543.00 ft (KB) (TVD)**

Total Depth: 4543.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3202.00 ft (KB)

3193.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: 222.98 psig @ 4495.00 ft (KB)

Start Date: 2014.04.15

End Date:

2014.04.15

Start Time: 01:23:15

End Time:

09:46:15

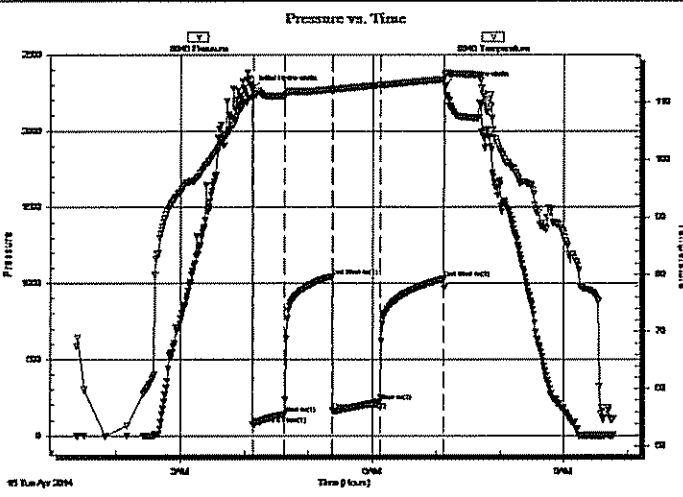
Capacity: 8000.00 psig

Last Calib.: 2014.04.16

Time On Btm: 2014.04.15 @ 04:07:30

Time Off Btm: 2014.04.15 @ 07:08:00

TEST COMMENT: IF:BOB in 10 min.
IS:Return blow built to 1"
FF:BOB in 17 min.
FS:Return blow built to 4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.22	110.77	Initial Hydro-static
1	73.60	110.97	Open To Flow (1)
31	139.70	111.17	Shut-in(1)
75	1045.36	112.30	End Shut-in(1)
76	163.58	112.21	Open To Flow (2)
120	222.98	113.02	Shut-in(2)
180	1030.07	114.01	End Shut-in(2)
181	2301.25	114.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	free oil	3.48
248.00	mco 5% m 20% g 75% o	3.48

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56436

DST#: 6

ATTN: Steve Davis

Test Start: 2014.04.15 @ 01:23:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	25 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

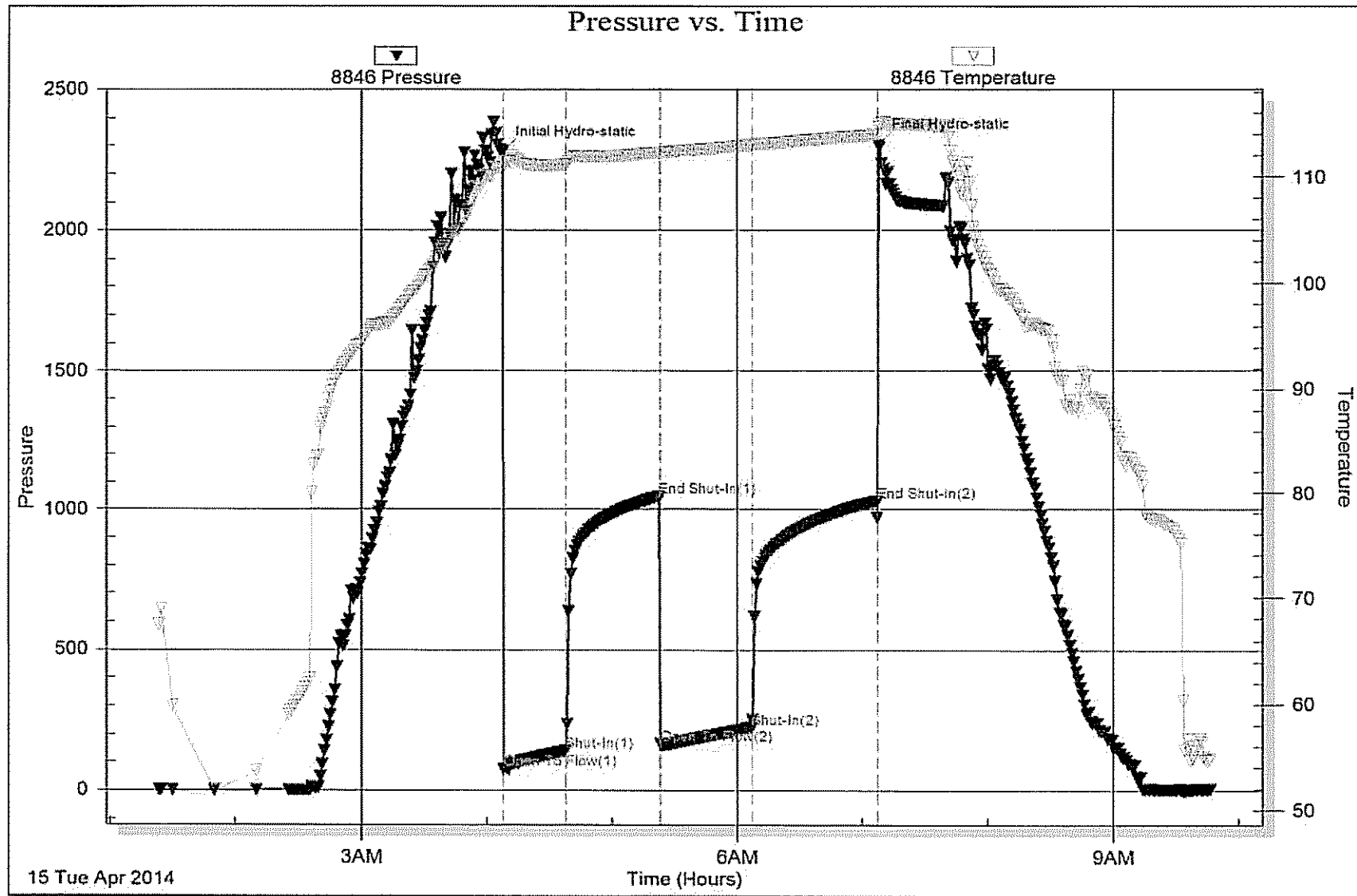
Length ft	Description	Volume bbl
248.00	free oil	3.479
248.00	mcgo 5% m 20% g 75% o	3.479

Total Length: 496.00 ft Total Volume: 6.958 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: AP= 26 @70 corrected to 25 @ 60





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil And Gas
301 S Market St.
Wichita KS 67202
ATTN: Steve Davis

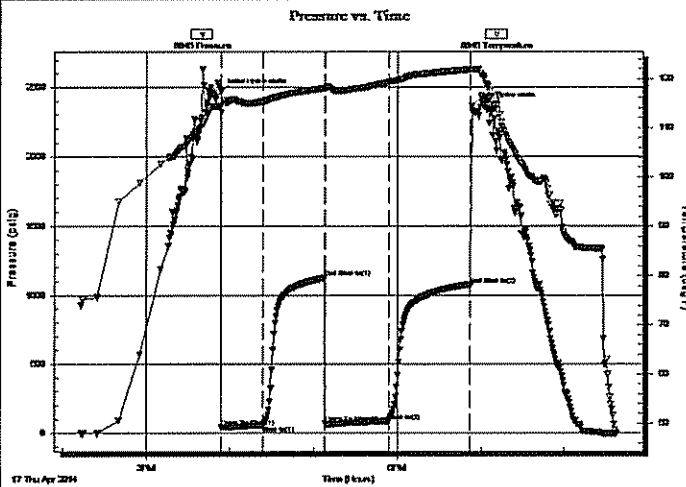
3-18s-35w Wichita Co. KS
Berning 2-3
Job Ticket: 56437 DST#: 7
Test Start: 2014.04.17 @ 14:13:15

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:53:30
Time Test Ended: 20:37:30
Interval: **4787.00 ft (KB) To 4840.00 ft (KB) (TVD)**
Total Depth: **4840.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65
Reference Elevations: 3202.00 ft (KB)
3193.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8846 Inside
Press@RunDepth: 87.47 psig @ 4792.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.17 End Date: 2014.04.17 Last Calib.: 2014.04.17
Start Time: 14:13:15 End Time: 20:37:30 Time On Btm: 2014.04.17 @ 15:53:15
Time Off Btm: 2014.04.17 @ 18:53:00

TEST COMMENT: IF: Built to 4" blow
IS: No return blow
FF: Built to 8" blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2464.87	114.34	Initial Hydro-static
1	42.29	113.08	Open To Flow (1)
30	59.52	115.31	Shut-In(1)
75	1125.36	117.95	End Shut-In(1)
75	67.07	117.82	Open To Flow (2)
120	87.47	119.22	Shut-In(2)
179	1074.97	121.79	End Shut-In(2)
180	2362.57	121.86	Final Hydro-static

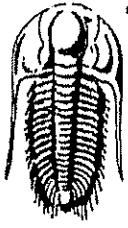
Recovery

Length (ft)	Description	Volume (bbl)
124.00	mco 30% m 70%	1.74

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil And Gas

3-18s-35w Wichita Co. KS

301 S Market St.
Wichita KS 67202

Berning 2-3

Job Ticket: 56437

DST#: 7

ATTN: Steve Davis

Test Start: 2014.04.17 @ 14:13:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mco 30% m 70% o	1.739

Total Length: 124.00 ft

Total Volume: 1.739 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

