

Co	nfiden	tiality	/ Requested:
	Yes	N	lo

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1172750

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 #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec.	TwpS. R	East West
Address 2:			F	eet from North /	South Line of Section
City: Stat	te: Zip:	+	F	Feet from East /	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section	Corner:
Phone: ()				w □se □sw	
CONTRACTOR: License #			GPS Location: Lat:	, Long: .	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	\	Nell #:
New Well Re-E	Entry [Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground:	Kelly Bushing	g:
☐ Gas ☐ D&A	☐ ENHR	SIGW	Total Vertical Depth:	Plug Back Total	Depth:
☐ OG	GSW	Temp. Abd.	Amount of Surface Pipe S	•	·
☐ CM (Coal Bed Methane) ☐ Cathodic ☐ Other (Core,	Fundado):			Collar Used? Yes	
	,				
If Workover/Re-entry: Old Well Info					
Operator:				cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:	Original Tota	al Depth:			
Deepening Re-perf.	Conv. to ENI	HR Conv. to SWD	Drilling Fluid Manageme		
☐ Plug Back	Conv. to GS\	N Conv. to Producer	(Data must be collected from	the Reserve Pit)	
Commingled	Permit #		Chloride content:	ppm Fluid volum	e: bbls
Dual Completion			Dewatering method used:		
SWD			Location of fluid disposal i	if hauled offsite:	
ENHR	Permit #:				
GSW	Permit #:				
				License #:	
Spud Date or Date Reac	ched TD	Completion Date or	QuarterSec	TwpS. R	East West
Recompletion Date		Recompletion Date	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 Approved by: Date:						

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whethe with final cha	er shut-in pre art(s). Attach	essure reac n extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, fluid re	ecovery,
Final Radioactivity Lo files must be submitte						ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electr	ronic log
Drill Stem Tests Taker (Attach Additional		Yes	☐ No				on (Top), Depth ar		Sampl	
Samples Sent to Geo	logical Survey	Yes	□No		Nam	е		Тор	Datum	1
Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No										
List All E. Logs Run:										
				RECORD	Ne					
	2	1				ermediate, product		T	I	
Purpose of String	Size Hole Drilled		Casing n O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Pe Additive	
			ADDITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of	Cement	# Sacks	Used		Type and F	ercent Additives		
Perforate Protect Casing	100 20111111									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment	on this well?				Yes	No (If No, ski	ip questions 2 ar	nd 3)	
Does the volume of the t							= :	p question 3)		
Was the hydraulic fractur	ring treatment information	on submitted to	the chemical	disclosure re	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD Footage of Eac					cture, Shot, Cement			epth
	open,					,,				
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR. F	Producing Met	hod: Pumpin	a	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat			Gas-Oil Ratio	Gra	avity
	1									
	ON OF GAS:		en Hole	METHOD OF			mmingled	PRODUCTION	ON INTERVAL:	ļ
Vented Solo	I Used on Lease bmit ACO-18.)		en noie _	Perf.	(Submit		mmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Rose B Unit 1-4
Doc ID	1172750

Tops

Name	Тор	Datum
Heebner	3698	-935
Lansing	3738	-975
Stark Shale	3997	-1234
Hushpuckney	4031	-1268
Base KC	4083	-1320
Marmaton	4121	-1358
Pawnee	4199	-1436
Ft. Scott	4228	-1465
Johnson	4322	-1559
Basal Penn	4376	-1613
Mississippian	4398	-1635

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Rose B Unit 1-4
Doc ID	1172750

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
surface	12.25	8.625	23	252	Common	3% cc, 2% gel



PO Box 93999 Southlake, TX 76092

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

INVOICE

Invoice Number: 140263

Invoice Date: Dec 9, 2013

Page:

1

Rose B Unit #1-4 Drilling AFE-13-CK 13/23/13-363

Customer ID	Field Ticket#	Payment	Terms
Lario	62183	Net 30	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 9, 2013	1/8/14

Quantity	Item		Description	Unit Price	Amount
	WELL NAME	Rose B Unit #1-4			
155.00		Class A Common		17.90	2,774.50
5.00	CEMENT MATERIALS	Chloride		64.00	320.00
	CEMENT SERVICE	Cubic Feet Charge		2.48	403.62
	CEMENT SERVICE	Ton Mileage Charge		2.60	487.71
1.00	· · · · · ·	Surface		1,512.25	1,512.25
25.00	CEMENT SERVICE	Pump Truck Mileage	10 11	7.70	192.50
25.00		Light Vehicle Mileage	& Clus	4.40	110.00
1.00	CEMENT SUPERVISOR	Alan Ryan	Jey "		
1	OPERATOR ASSISTANT	Kevin Ryan	7 0 ()	0	
1	OPERATOR ASSISTANT	Mike McKampson		<i>X</i>	
			Y OK TO FA	A_{\square}	
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\				1	5 800 58

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

ě

1,624.16

ONLY IF PAID ON OR BEFORE
Jan 3, 2014

Subtotal	5,800.58
Sales Tax	236.73
Total Invoice Amount	6,037.31
Payment/Credit Applied	
TOTAL	6,037.31

ALLIED OIL & GAS SERVICES, LLC 062183, Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092		SEK	ICE POINT:	ley K
DATE 12 4 13 SEC. 35 TWP. RANGE 32 C	ALLED OUT	ON LOCATION	JOB START	JOB FINISH
	216 141	1270	COUNTY	STATE
EASE OF & MATIWELL # 1- Y LOCATION Pakla DLD OR NEW (Circle one)	\$33 100	5740	100	<u> </u>
CONTRACTOR WWZ	OWNER	5		,
YPE OF JOB Surface				
IOLE SIZE 1/1 T.D. 250,	CEMENT	RDERED 155	4	2000
ASING SIZE 85/8 DEPTH 250' UBING SIZE DEPTH	AMOUNT OF	(DEKED 132	4)	, , , ,
PRILL PIPE DEPTH	-			
OOL DEPTH			. 0/2	60
RES, MAX MINIMUM	COMMON			2274 50
MEAS. LINE SHOE JOINT	POZMIX		_@	
EMENT LEFT IN CSG. 15'	GEL		-@- 	1105
PERFS.	CHLORIDE_	-	_@ <i>57</i> - @	300
DISPLACEMENT 15, 0969	ASC		_@ 	· · · · · · · · · · · · · · · · · · ·
EQUIPMENT	***************************************	***************************************	~ ~	
	******* · · · · · · · · · · · · · · · ·			- b
PUMPTRUCK CEMENTER Ala Lyan			_ @	
143-28 HELPER KIND RYAN			@	
BULKTRUCK		-		
396-306 DRIVER Mike Malampson			_@	
BULKTRUCK			_@ <i>49_</i> _	10362
DRIVER	HANDLING	Jed Cit	_@	
	MILEAGE	Jon/MI E.		39.05
Shotor and Ormate in Coller	EXTRA FOO	TAGE	@ >2 <u>@</u>	1923
That he plan, Kevin, Mith	MANIFOLD MENGGLE	dStile	_@ <u>4</u>	1/0 2
CHARGE TO: Locid D: 1 to G to	and the second s			1814 35
CITYSTATEZIP		PLUG & FLOA	T EQUIPME	NT
		<u></u>		
To: Allied Oil & Gas Services, LLC.				*
You are hereby requested to rent cementing equipment			@	
and furnish cementer and helper(s) to assist owner or		<u> </u>	_ ~	
contractor to do work as is listed. The above work was			የም ረሚታል	r
done to satisfaction and supervision of owner agent or			ATOT,	No.
contractor. I have read and understand the "GENERAL"	SALES TAX	(IF Any)		905 535
TERMS AND CONDITIONS" listed on the reverse side.		~ ~~ S	1 /VX	√ ₹8
100	TOTALCHA	ARCES	<u> </u>	
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PRINTED NAME TO THE TOTAL PRINTED NAME			1.17643	snet, ,
SIGNATURE DAY OF STATE OF STAT		Blo	1	A. de la
			•	##54/# #################################

BID SHEET

Date	17/9/13
Service Point:	Oákleý .
Manager	Terry Helnrich
Address	P.O. Box 27
	Oakley, KS 67748
Business Phone	785-672-3452
E-mall	remy helicich Ballied rom Colored
Mobile	785-673-937676 ELEMENTER ELE



Company	Larlo Oil & Gas Company	Prepared For:	Jay Schwelkert			Data 💝 🖽	
Address	3015 Market	Title:		OpenHole	12 1/4 🚉	Depth	220
Address	Wichita Kansar, 67202	Business Phone:	316-765-5611			I.D.	12.25
WellHame	Rose B	E-mall:	lichertentelledon tem]		Job Excess	:::100
Lease	Unit # 14	Mobile Phone:	Element and the first of the first	Casing Size	86/6 .	Depth	120
Field		Prepared By:	Real Rupp			O.D.	8.6875
County	Logen	Title:	Sales & Field Operation Manage]		1.D.	7.825
State	Kansai 🖫 🤻	Builness Phone:	315-260-3168 ::((1))	1		Casing Weight	:::24
Section	4 15 15 15 15 15 15 15 15 15 15 15 15 15	E-mail:	real nipp@affedtenfres com	1		Thread	"#51C
Township	155 * 5** - V = V = 1 - 1 - 1 - 1	Mobile Phone:	316-250-7057			Grade	. , .1.22
Range		Rig Contractor	WW Married Co.	1			
API Number		Rig Name	d2]			
Proposal Title:	Surface Casing	Rig Phone]			
]			

		ľ	Cost per	Ţ			Unit	
	Units	UOM	Unit	L	Yotal		Net	Net
CIMII - Casing Pump Charge O to 300' 100	₹1.00,	(lor 6 hours)	\$1,512.25	S	1,512.25	\$	1,088.82	\$1,088.82
	±0.00∵	\$20.00 S	\$0,00	5		\$		\$0.00
Approximation of the contract	20,00 €	22,000,00	\$0.00	\$	-	\$		\$0.00
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Subtotal				5	1,512.25			\$1,088.82
Wooden Plug	是1.00.五	asá Each	\$67,50	5	67.50	\$	67.50	\$67.50
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Militarian para manamana militarian per	0.00	.00.00 A∓	T 50.00	\$	•	\$		\$0.00
Sublotal				\$	67.50			\$67,50
CAG+CLASS A COMMON	:140,00	. persack a	\$17.90	\$	2,506.00	\$	12.89	\$1,804.32
CACL - Calcium Chloride	₹5.00 -	persack -	\$64.00	\$_	320.00	\$	46.08	\$230.40
	0.00	0.00	\$0.00	5		\$		\$9,00
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Subtotal				\$	2,826,00			\$2,034.72
HDLG EProducts handling service charge Tales	147.00	per cu: Ft.	\$2.48	\$	364.56	\$	1,79	\$262.48
DRYG Drayage for products	:170.00	ton mile.	\$2.60	\$	442.00	\$	1.87	\$319.24
DRIVE Drayage for products MILV Elight Vehicle Mileage MIRV Elight Vehicle Mileage	25.00	permile::	\$4,40	\$	110.00	\$	3.17	\$79.20
MINIV I Heavy Vehicle Mileage	125.00	:- per mile :-	\$7.70	\$	192.50	\$	5.54	\$139.60
Subtotal				\$	1,109.05	Marie Marie		\$798.52
THE GREEK SOLD OF SECURITY STATES	≡0.00 .∵	0.00	\$0.00	\$		\$		\$0.00
Professional Richert	- 0.00	بدر0.00 · ·	\$0.00	\$		\$	-	\$0.00
Subtotal				\$				\$0.00
Totals:				\$	5,514.81			\$3,989.56
DISCOUNT; Operations		28.0%		(423.43)				
DISCOUNT: Equipment Sales		0.0%		0,00				
DISCOUNT: Products		28.0%		[791.28]				
DISCOUNT: Transport			28.0%		(310.54)			
DISCOUNT: OTHER			18,0%		0,00			
			프 Total 스		[1,525.25]			



PO Box 93999 Southlake, TX 76092

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

INVOICE

Invoice Number: 140429

Invoice Date: Dec 19, 2013

Page:

1

AFE 13-	363	
drilling	PZ	A
1-3-13	LK	

Customer ID	Field Ticket#	Paymen	t Terms
Lario	62191	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 19, 2013	1/18/14

Quantity	Item	general constants of all many as the	Description	Unit Price	Amount
1.00	WELL NAME (Rose B Unit #1-4			
132.00	CEMENT MATERIALS	Class A Common		17.90	2,362.80
88.00	CEMENT MATERIALS	Pozmix		9.35	822.80
8.00	CEMENT MATERIALS	Gel		23.40	187.20
55.00	CEMENT MATERIALS	Flo Seal		2.97	163.35
236.27	CEMENT SERVICE	Cubic Feet Charge		2.48	585.95
246.50	CEMENT SERVICE	Ton Mileage Charge		2.60	640.90
1.00	CEMENT SERVICE	Rotary Plug		2,483.59	2,483.59
25.00	CEMENT SERVICE	Pump Truck Mileage		7.70	192.50
25.00	CEMENT SERVICE	Light Vehicle Mileage		4.40	110.00
1.00	EQUIPMENT SALES	8-5/8 Wooden plug		107.64	107.64
1.00	CEMENT SUPERVISOR	Alan Ryan	11		
1.00	OPERATOR ASSISTANT	Kevin Ryan			
			M SAJ		
					:
			176 A A 201/A 188		
			7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
			70		
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[0.44-4-1			7 656 73

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

2,113.74

ONLY IF PAID ON OR BEFORE Jan 13, 2014

l l	1
Subtotal	7,656.73
Sales Tax	585.74
Total Invoice Amount	8,242.47
Payment/Credit Applied	
TOTAL	8,242.47

ALLIED OIL & GAS SERVICES, LLC 062191

Federal Tax I.D. # 20-8651475 SERVICE POINT: REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 Quildle, RANGE 3 2 JOB START JOB FINISH CALLED OUT ON LOCATION DATE / 19/3 COUNTY STATE ' LOCATION DANG azer OLD OR NEW (Circle one) OWNER CONTRACTOR WW 2 TYPE OF JOB \$77 CEMENT **HOLE SIZE** T.D. AMOUNT ORDERED 220 60/40 CASING SIZE DEPTH **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH @ /) <u>&</u> COMMON PRES. MAX **MINIMUM** POZMIX SHOE JOINT MEAS. LINE CEMENT LEFT IN CSG. GEL @ CHLORIDE PERFS. @ @ DISPLACEMENT ASC @ **EQUIPMENT** @ @ **PUMP TRUCK** CEMENTER_ @ HELPER Mec 1 422 @ **BULK TRUCK** @ # 396 BULK TRUCK DRIVER @ @ DRIVER HANDLING 23627 MILEAGE 2 DO FULL 9 @_2 36 TOTAL 476 REMARKS: 251/222005 600 SILO 1075 F SERVICE 405K @ 300 16 (8 40 40 DEPTH OF JOB PUMP TRUCK CHARGE -AHEXTRA FOOTAGE 15316 -MH MILEAGE @ 3 MANIFOLD @ STEVENUE @ 4 @ CHARGE TO: Lecia D: 10 Gas TOTAL 221 STREET_ STATE _ZIP_ CITY____ PLUG & FLOAT EQUIPMENT @ @ @ To: Allied Oil & Gas Services, LLC. @ You are hereby requested to rent cementing equipment @ and furnish cementer and helper(s) to assist owner or TOTAL (0) 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 SALES TAX (If Any) TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES PRINTED NAME W9/ter Sray IF PAID IN 30 DAYS

DISCOUNT -

5.54297 Net.

SIGNATURE WALLBUM



Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

Rose B Unit 1-4

Job Ticket: 54713

DST#: 1

Test Start: 2013.12.13 @ 13:01:15

GENERAL INFORMATION:

Formation:

Lansing "B"

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 14:50:00

Time Test Ended: 19:24:45

Tester:

Mike Roberts

Unit No:

3755.00 ft (KB) To 3780.00 ft (KB) (TVD)

Reference Bevations:

2760.00 ft (KB)

Interval: Total Depth:

3755.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter:

7.88 inchesHole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8846

Press@RunDepth:

16.03 psig @

ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2013.12.13 13:01:15

End Date: End Time: 2013.12.13 19:24:45

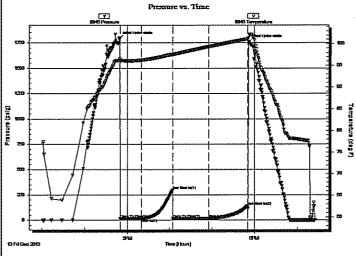
Last Calib.: Time On Btm: 2013.12.13

Time Off Btm:

2013.12.13 @ 14:49:45 2013.12.13 @ 17:52:15

TEST COMMENT: IF:Built to weak surface blow

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY						
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1794.77	96.50	Initial Hydro-static		
	1	13.47	96.15	Open To Flow (1)		
	31	15.20	96.26	Shut-In(1)		
	75	297.01	97.64	End Shut-In(1)		
3	75	15.27	97.48	Open To Flow (2)		
78.	126	16.03	99.35	Shut-in(2)		
Temperatura (dag F)	181	140.17	101.13	End Shut-ln(2)		
3	183	1759.50	102.13	Final Hydro-static		
		1 1				

Recovery

Length (fl)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.02

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 54713

Printed: 2013.12.13 @ 23:02:14



FLUID SUMMARY

DST#: 1

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54713

ATTN: Steve Davis Test Start: 2013.12.13 @ 13:01:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

fŧ Water Salinity: 0 ppm

Viscosity:

63.00 sec/qt

Cushion Volume:

Water Loss: Resistivity:

6.39 in³ 0.00 ohm.m

Gas Cushion Type:

Gas Cushion Pressure:

psig

bbl

Salinity: Filter Cake: 1500.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length Description Volume ft bbl 5.00 0.025 mud with oil spots

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

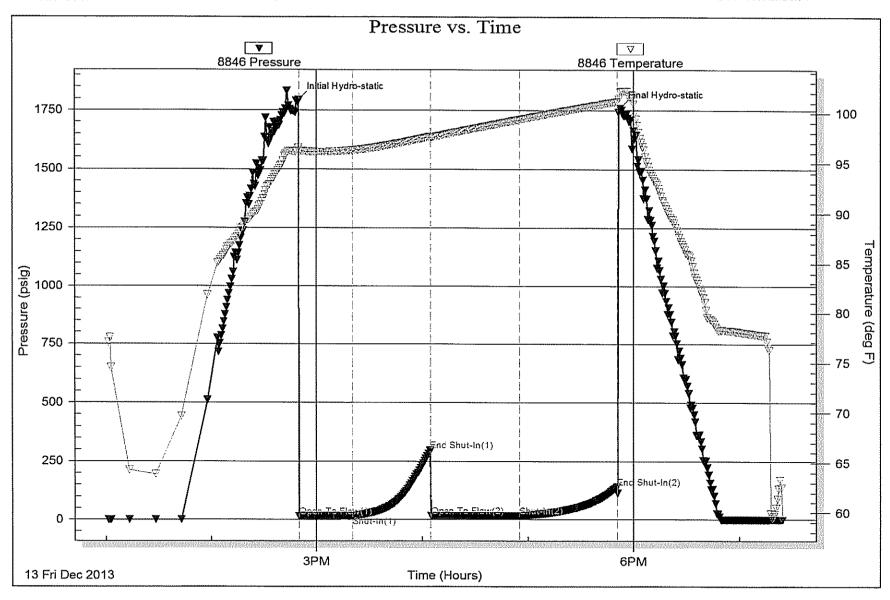
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 54713

Printed: 2013.12.13 @ 23:02:15





Lario Oil Company

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

4-15-32 Logan KS

Rose B Unit 1-4

Job Ticket: 54714

DST#: 2

Test Start: 2013.12.14 @ 03:10:15

GENERAL INFORMATION:

Formation:

Interval:

Lansing D

Deviated:

Time Tool Opened: 04;49:15

Time Test Ended: 09:24:00

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Bevations:

2760.00 ft (KB)

KB to GR/CF:

2755.00 ft (CF) 5.00 ft

Total Depth: Hole Diameter: 3810.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

3810.00 ft (KB) To 3832.00 ft (KB) (TVD)

Serial #: 8846 Press@RunDepth: Outside

14.85 psig @

3811.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2013.12.14 03:10:15

End Date: End Time:

2013.12.14 09:24:00

Last Calib.: Time On Btm: 2013.12.14

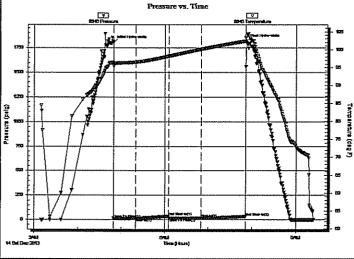
2013.12.14 @ 04:49:00

Time Off Blm:

2013.12.14 @ 07:52:15

TEST COMMENT: IF:Built to weak surface blow and died in 28 min.

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
00	0	1806.07	96.30	Initial Hydro-static			
5	1	12.93	95,31	Open To Flow (1)			
•	31	14.41	96.51	Shut-in(1)			
5 ₅ 1	76	35.30	98.14	End Shut-In(1)			
. 1	76	14.67	98.13	Open To Flow (2)			
Tempanium (degř)	121	14.85	100.09	Shut-In(2)			
* C	183	32.38	102,40	End Shut-In(2)			
, J	184	1817.63	103.71	Final Hydro-static			
5							
•							
8							
				i			

Recovery Description Length (ft) Volume (bbl) 5.00 mud 100%m 0.02 * Recovery from multiple tests

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

Trilobite Testing, Inc.

Ref. No: 54714

Printed: 2013.12.14 @ 15:54:17



Lario Oil Company

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

4-15-32 Logan KS

Rose B Unit 1-4

Job Ticket: 54714

DST#: 2

Test Start: 2013.12.14 @ 03:10:15

GENERAL INFORMATION:

Time Tool Opened: 04:49:15 Time Test Ended: 09:24:00

Formation:

Interval:

Lansing D

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Elevations:

2760.00 ft (KB)

KB to GR/CF:

2755.00 ft (CF) 5.00 ft

Total Depth: Hole Diameter: 3810.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

3810.00 ft (KB) To 3832.00 ft (KB) (TVD)

Serial #: 8737

Press@RunDepth:

Inside

psig @

3811.00 ft (KB)

Last Calib.:

Capacity:

8000.00 psig

Start Date: Start Time:

2013.12.14

End Date:

2013.12.14

Time On Btm:

2013.12.14

03:10:15

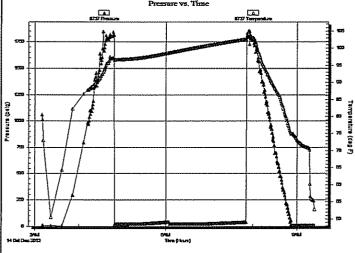
End Time:

09:24:00

Time Off Btm:

TEST COMMENT: IF:Built to weak surface blow and died in 28 min.

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY						
5	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation			
19 1							
,							
Tampentus (dag F)							
dag 5)							
•							

Recovery Length (ft) Description Volume (bbl) 5.00 mud 100%m 0.02 * Recovery from multiple lests

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

Trilobite Testing, Inc.

Ref. No: 54714

Printed: 2013.12.14 @ 15:54:17



FLUID SUMMARY

0 deg API

0 ppm

Lario Oil Company 4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Oil API:

Water Salinity:

Job Ticket: 54714

DST#: 2

ATTN: Steve Davis Test Start: 2013.12.14 @ 03:10:15

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

63.00 sec/qt

Viscosity: Water Loss: Resistivity:

Mud Weight:

6.40 in³ 0.00 ohm.m

Salinity: Filter Cake: 1500.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Recovery Information

Recovery Table

Length ft Description Volume bbl 5.00 mud 100%m 0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Serial #:

Num Fluid Samples: 0

Num Gas Bombs:

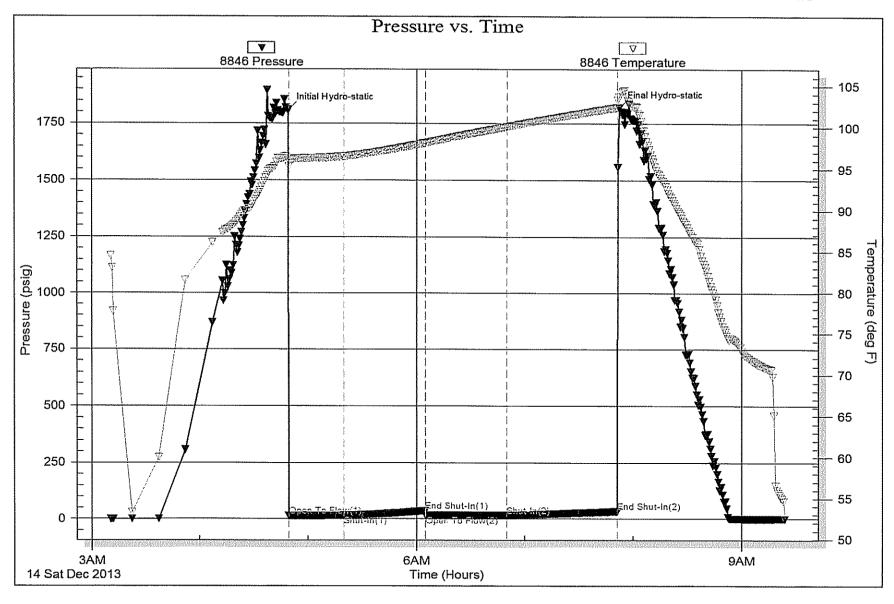
Laboratory Location:

Laboratory Name: Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 54714

Printed: 2013.12.14 @ 15:54:18

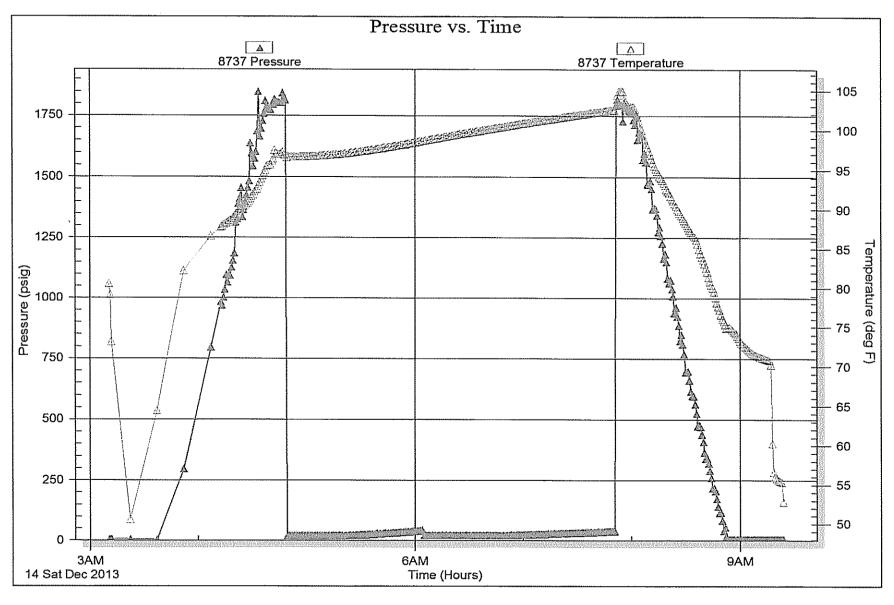


inside

Lario Oil Company

Rose B Unit 1-4

DST Test Number: 2





Lario Oil Company

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

Job Tick

Job Ticket: 54715

4-15-32 Logan KS

Rose B Unit 1-4

DST#:3

Test Start: 2013.12.14 @ 23:56:15

GENERAL INFORMATION:

Formation:

Lansing 1-J

Deviated: No V Time Tool Opened: 01:52:15

Time Test Ended: 06:48:15

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No: 65

Reference Elevations:

2760.00 ft (KB)

2755.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth:

Hole Diameter:

3925.00 ft (KB) To 3980.00 ft (KB) (TVD)

Whipstock:

3980.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Serial #: 8846 Press@RunDepth: Inside

126.07 psig @

3930.00 ft (KB)

2013.12.15

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2013.12.14 23:56:15 End Date: End Time:

06:48:15

Time On Btm:

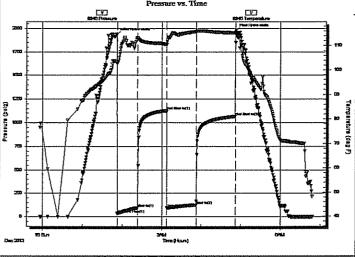
2013.12.15

Time Off Btm: 20

2013.12.15 @ 01:51:45 2013.12.15 @ 04:53:00

TEST COMMENT: IF:Built to 4 1/2" blow

IS:No return blow FF:Built to 5" blow FS:No return blow



		PI	RE SUMMARY	
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1933.32	103.16	Initial Hydro-static
	1	33.34	102.76	Open To Flow (1)
	32	92.32	113.21	Shut-In(1)
4	76	1127.58	110.52	End Shut-In(1)
Temperatura (dep F)	76	94.62	110.38	Open To Flow (2)
	121	126.07	115.77	Shut-In(2)
î.	181	1066.43	115.23	End Shut-In(2)
3	182	1974.05	115.05	Final Hydro-static
i				
- 1		1 1		

Recovery

Description	Volume (bbl)		
mud w ith oil spots	1.61		
<u> </u>			
	mud w ith oil spots		

Gas Rates

Choka (inches) Pressure (psig) Gas Rate (Mct/d)

Trilobite Testing, Inc

Ref. No: 54715

Printed: 2013.12.15 @ 12:26:32



Lario Oil Company

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

4-15-32 Logan KS

Rose B Unit 1-4

Job Ticket: 54715

DST#: 3

Test Start: 2013.12.14 @ 23:56:15

GENERAL INFORMATION:

Time Tool Opened: 01:52:15

Time Test Ended: 06:48:15

Formation:

Lansing I-J

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Bevations:

2760.00 ft (KB)

2755.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth:

Hole Diameter:

3925.00 ft (KB) To 3980.00 ft (KB) (TVD)

3980.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Serial #: 8737 Press@RunDepth: Outside

psig @

3930.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2013,12.14

End Date:

2013.12.15

Time On Btm:

2013.12.15

Start Time:

23:56:15

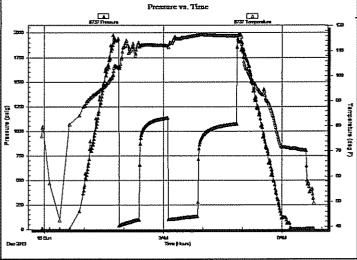
End Time:

06:48:15

Time Off Blm:

TEST COMMENT: IF:Built to 4 1/2" blow

IS:No return blow FF:Built to 5" blow FS:No return blow



PRESSURE SUMMARY Pressure Temp Annotation

	(Min.)	(psig)	(deg F)	Amotation	
Temperat					
Temperatus (deg F)					

Recovery

Length (fl)	Description	Volume (tibl)
195.00	mud with oil spots	1.61

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 54715

Printed: 2013.12.15 @ 12:26:32



FLUID SUMMARY

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4 Job Ticket: 54715

DST#: 3

ATTN: Steve Davis

Test Start: 2013.12.14 @ 23:56:15

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

73.00 sec/qt

Viscosity: Water Loss: Resistivity:

8.78 in³ 0.00 ohm.m

Salinity: Filter Cake: 2400.00 ppm

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

ft bbl

psig

Water Salinity:

Oil API:

0 deg API

0 ppm

1.00 inches

Recovery Information

Recovery Table

Volume Length ft Description bbl 1.615 195.00 mud with oil spots

Total Length:

195.00 ft

Ref. No: 54715

Total Volume:

1.615 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

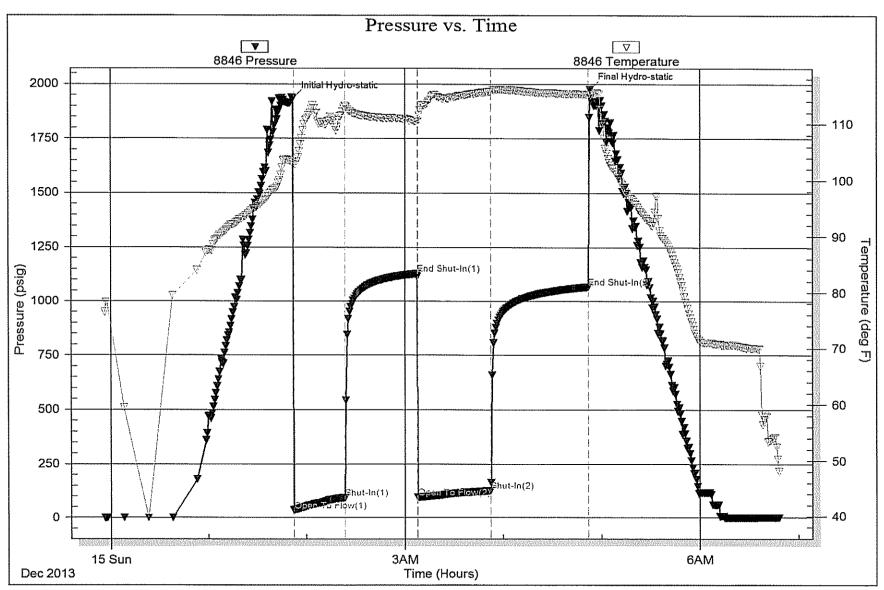
Serial#:

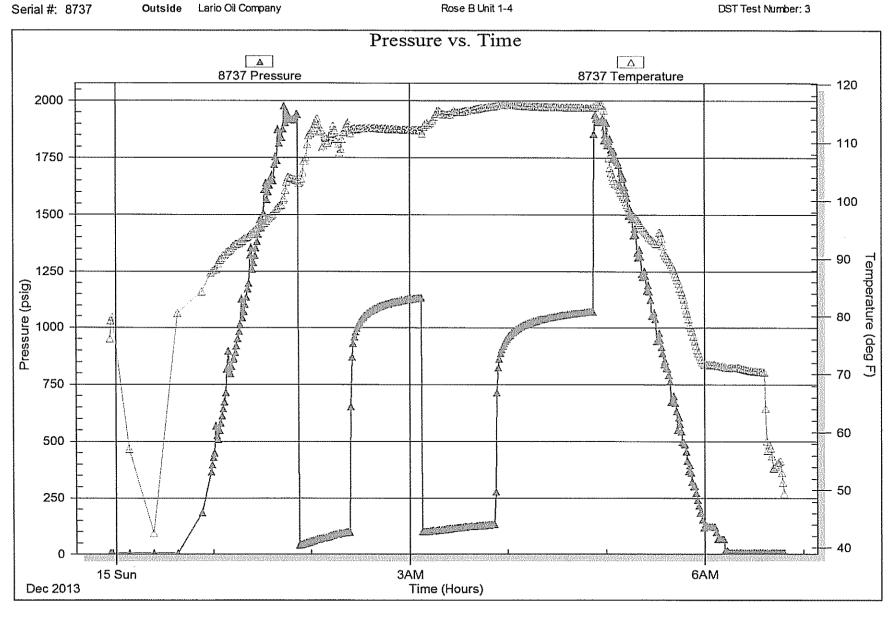
Laboratory Name:

Laboratory Location:

Recovery Comments:

Printed: 2013.12.15 @ 12:26:33







Lario Oil Company

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

4-15-32 Logan KS

Rose B Unit 1-4

Job Ticket: 54716

DST#: 4

Test Start: 2013.12.15 @ 23:36:00

GENERAL INFORMATION:

Formation:

Marmaton A

Deviated:

Whipstock: No

ft (KB)

Time Tool Opened:

Time Test Ended: 03:12:30

Interval:

4083.00 ft (KB) To 4145.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4145.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Elevations:

2760.00 ft (KB)

2755.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8737 Press@RunDepth: Outside

psig @

4084.00 ft (KB) End Date:

2013.12.16

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2013.12.15 23:36:15

End Time:

03:12:30

Time On Btm:

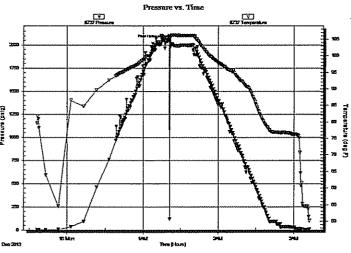
2013.12.16 2013.12.16 @ 01:17:00

Time Off Btm:

2013.12.16 @ 01:21:30

TEST COMMENT: IF:PACKER FAILURE

IS: FF: FS:



PRESSURE SUMMARY Pressure Temp Annotation

	1		,, ,	
	(Min.)	(psig)	(deg F)	
	0	2046.58	105.06	Initial Hydro-static
	5	2035.30	105.99	Final Hydro-static
,				
7				
- 1				

Recovery

Length (fl)	Description	Volume (bbl)
123.00	mud 100% m	0.60

* Recovery from r	nulliple tests	

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 54716

Printed: 2013.12.16 @ 05:56:47



FLUID SUMMARY

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54716

DST#: 4

ATTN: Steve Davis

Test Start: 2013.12.15 @ 23:36:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

59.00 sec/qt 7.98 in³

Water Loss: Resistivity:

Mud Weight:

Viscosity:

0.00 ohm.m 3000.00 ppm

Salinity: Filter Cake:

1.00 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Water Salinity:

Oil API:

0 deg API 0 ppm

psig

0.605 bbl

ft

bbl

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	mud 100% m	0.605

Total Length:

123.00 ft

Total Volume:

Num Gas Bombs:

Serial #:

Num Fluid Samples: 0 Laboratory Name:

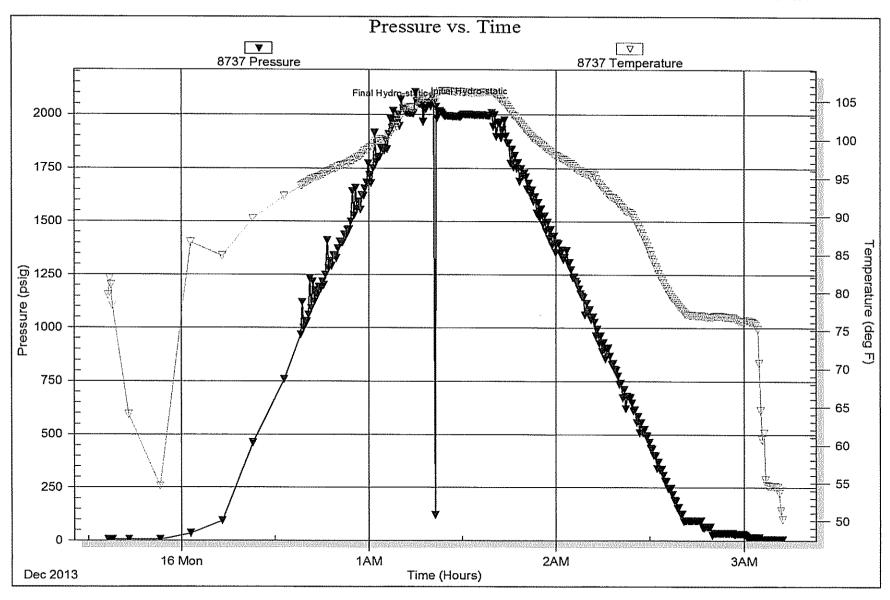
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 54716

Printed: 2013.12.16 @ 05:56:47





Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54717

DST#: 5

ATTN: Steve Davis

Test Start: 2013.12.16 @ 03:45:15

GENERAL INFORMATION:

Time Tool Opened: 05:34:15 Time Test Ended: 10:23:45

Formation:

Marm A

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Bevations:

2760.00 ft (KB)

KB to GR/CF:

2755.00 ft (CF) 5.00 ft

Interval:

4053.00 ft (KB) To 4145.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4145.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8846

Inside

Press@RunDepth:

57.81 psig @

4054.00 ft (KB)

2013.12.16

Capacity:

8000.00 psig

Start Date: Start Time: 2013,12.16 03:45:15

End Date: End Time:

10:23:45

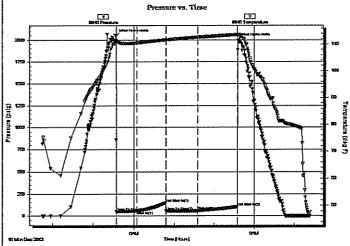
Last Calib.: Time On Btm: 2013.12.16

Time Off Btm:

2013.12.16 @ 05:33:45 2013.12.16 @ 08:36:00

TEST COMMENT: IF: Built to weak surface blow

IS:No return blow FF:No blow FS:No return blow



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	***************************************
	0	2046,91	111.50	Initial Hydro-static
	1	49.16	111.08	Open To Flow (1)
	31	54.20	110.56	Shut-In(1)
-4	74	146.69	111.68	End Shut-In(1)
, and	74	55.72	111.65	Open To Flow (2)
1	122	57.81	112.61	Shut-In(2)
Tançansını (dag f)	181	103.18	113.57	End Shut-In(2)
3	183	2000.33	113.57	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (fi)	Description	Volume (bbl)
5.00	mud	0.02
1.00	free oil	0.00
Recoveryfrom		

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 54717

Printed: 2013.12.16 @ 10:55:04



FLUID SUMMARY

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4 Job Ticket: 54717

ft

bbl

psig

DST#: 5

ATTN: Sleve Davis

Test Start: 2013.12.16 @ 03:45:15

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

Water Loss: Resistivity:

Salinity: Filter Cake: 59.00 sec/qt 7.97 in³

0.00 ohm.m 3000.00 ppm 1.00 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Description Length Volume bbl 5.00 mud 0.025 free oil 0.005 1.00

Total Length:

6.00 ft

Total Volume:

0.030 bbl

Num Fluid Samples: 0

Laboratory Name:

Recovery Comments:

Num Gas Bombs:

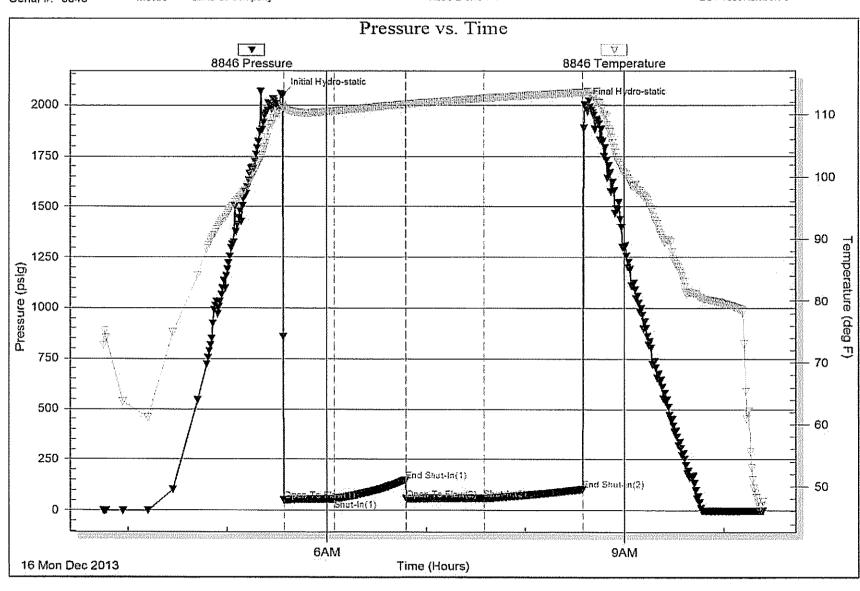
Laboratory Location:

Serial #:

Trilobite Testing, Inc.

Ref. No: 54717

Printed: 2013.12.16 @ 10:55:05



Trilobite Testing, Inc.

Ref. No: 54717

Printed: 2013.12.16 @ 10:55:05



Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54718

DST#: 6

ATTN: Steve Davis

Test Start: 2013.12.16 @ 21:19:00

GENERAL INFORMATION:

Formation:

Marmaton

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Time Tool Opened: 23:07:00 Time Test Ended: 01:04:45

Unit No:

Interval:

4130.00 ft (KB) To 4214.00 ft (KB) (TVD)

Reference Bevations:

2760.00 ft (KB)

Total Depth:

4214.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8846 Press@RunDepth: Inside

psig @

4131.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2013.12.16

End Date:

2013.12.17

Last Calib.: Time On Btm: 2013.12.17

Start Time:

21:19:15

End Time:

01:04:45

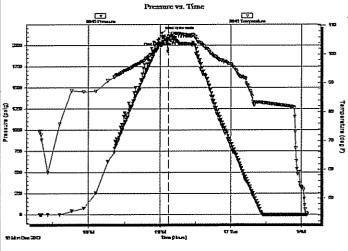
2013.12.16 @ 23:01:30

Time Off Btm:

2013.12.16 @ 23:13:00

TEST COMMENT: IF: PACKER FAILURE

IS: FF: FS:



P	RESSUF	RE SU	IMMA	RY

	1 112333112 331111111111111111111111111				
Ī	Time	Pressure	Temp	Annolation	
	(Min.)	(psig)	(deg F)		
	0	2140.32	103.24	Initial Hydro-static	
	6	2080.85	106.02	Open To Flow (1)	
	12	2080.05	107.24	Final Hydro-static	
7					
Tamparetura (dag F)					
tina (c					
Š					

Recovery

Length (ft)	Description	Volume (bbl)		
123.00	mud 100%m	0.60		
Recovery from r	nultiple tests	•		

Gas Rates

Choke (inches) Pressure (psig) Gas Rale (Mcl/d)

Trilobite Testing, Inc.

Ref. No: 54718

Printed: 2013.12.17 @ 06:25:03



FLUID SUMMARY

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54718

DST#: 6

ATTN: Steve Davis

Test Start: 2013.12.16 @ 21:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity: Water Loss: 49.00 sec/qt 8,77 in³

Gas Cushion Type:

bbl

ft

Resistivity:

0.00 ohm.m 3200.00 ppm

Gas Cushion Pressure:

psig

Salinity: Filter Cake:

1.00 inches

Recovery Information

Recovery Table

Length ft Description Volume bbl 123.00 0.605 mud 100%m

Total Length:

123,00 ft

Total Volume:

0.605 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial#:

Laboratory Name:

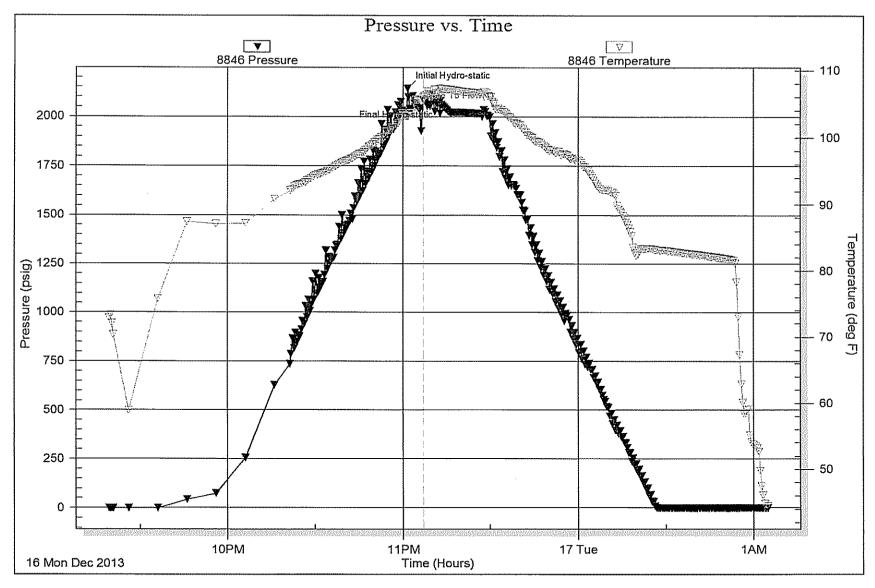
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 54718

Printed: 2013.12.17 @ 06:25:04





Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54719

DST#:7

ATTN: Steve Davis

Test Start: 2013.12.17 @ 01:29:15

GENERAL INFORMATION:

Time Tool Opened: 03:24:30

Time Test Ended: 07:48:45

Formation:

Marmaton

Deviated:

interval:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Bevations:

2760.00 ft (KB)

2755.00 ft (CF)

Total Depth: Hole Diameter: 4214.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

7.88 inches Hole Condition: Fair

4157.00 ft (KB) To 4214.00 ft (KB) (TVD)

Serial #: 8846 Press@RunDepth: Inside

36.22 psig @

4158.00 ft (KB)

Capacity:

glaq 00.0008

Start Date: Start Time: 2013.12.17 01:29:15 End Date: End Time:

2013.12.17 07:48:45

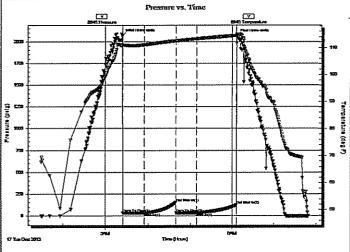
Last Calib.: Time On Blm: 2013.12.17

Time Off Blm:

2013.12.17 @ 03:24:00 2013.12.17 @ 06:07:30

TEST COMMENT: IF:Built to weak surface blow and died in 15 min.

IS:No return blow FF:No blow FS:No return blow



		۲۱	RESSUR	E SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2066.23	111.12	Initial Hydro-static
	1	32.20	110.85	Open To Flow (1)
	31	34.60	111.15	Shut-In(1)
-4	76	154.78	112,60	End Shut-In(1)
ď	76	34.62	112.58	Open To Flow (2)
Tamperature (dag f)	105	36.22	113.32	Shut-In(2)
Cep)	163	125.21	114.55	End Shut-In(2)
3	164	2059.83	115.05	Final Hydro-static

DDECOUDE OURSES

Length (fl) Description Volume (bbi) 0.02 5.00 mud 100% m

Recovery

Gas Rates Choka (inches) Pressure (psig) Gas Rote (Mcf/d)

Recovery from multiple tests Trilobite Testing, Inc.

Ref. No: 54719

Printed: 2013.12.17 @ 08:09:24



FLUID SUMMARY

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54719

DST#: 7

ATTN: Steve Davis

Test Start: 2013.12.17 @ 01:29:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: Viscosity:

9.00 lb/gal 49.00 sec/qt Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Water Loss:

8.78 in³

Gas Cushion Type:

bbl

ft

Resistivity:

0.00 ohm.m 3200.00 ppm

Gas Cushion Pressure:

psig

Salinity: Filter Cake:

1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

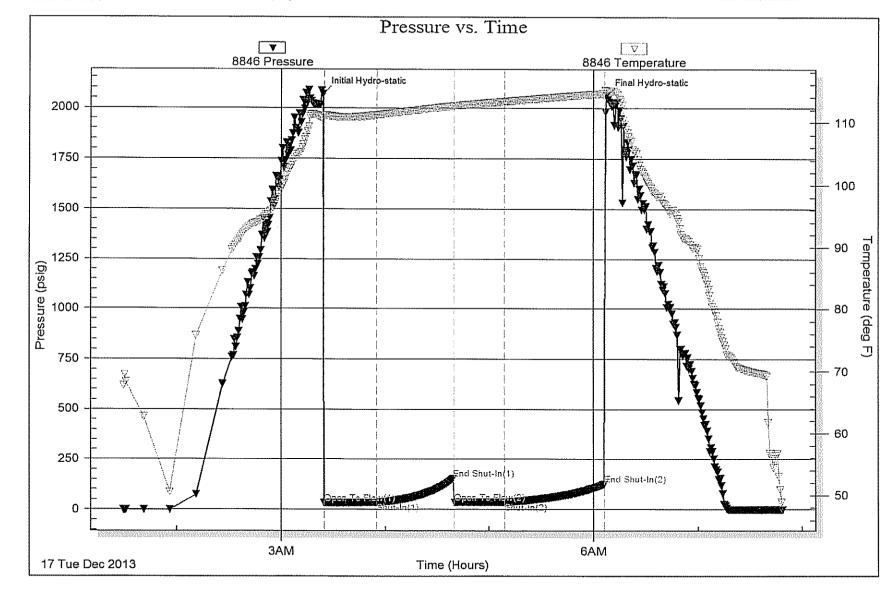
Serial #: 8846

inside

Lario Oil Company

Rose B Unit 1-4

DST Test Number: 7





Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202 Rose B Unit 1-4

Job Ticket: 54720

DST#: 8

ATTN: Steve Davis

Test Start: 2013.12.17 @ 19:54:15

GENERAL INFORMATION:

Time Tool Opened: 21:36:45

Time Test Ended: 02:19:15

Formation:

Johnson

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

65

Reference Bevations:

2760.00 ft (KB)

KB to GR/CF:

2755.00 ft (CF) 5.00 ft

Total Depth: Hole Diameter: 4296.00 ft (KB) To 4340.00 ft (KB) (TVD)

Interval:

4340.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Serial #: 8846 Press@RunDepth: Inside

19.64 psig @

4297.00 ft (KB)

2013.12.18

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2013.12.17 19:54:15

End Date: End Time:

02:19:15

Time On Btm:

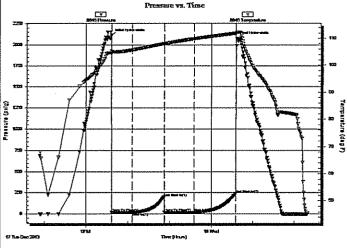
2013.12.18 2013.12.17 @ 21:36:30

Time Off Btm:

2013.12.18 @ 00:37:00

TEST COMMENT: IF: Built to weak surface blow

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
ĺ	0	2112.55	105.23	Initial Hydro-static		
	1	16.87	104.21	Open To Flow (1)		
	30	19.15	105.70	Shut-In(1)		
4	76	198.32	108.05	End Shut-In(1)		
ā	76	18.87	108.00	Open To Flow (2)		
St.	119	19.64	109.84	Shut-In(2)		
Tamparatura (dag P)	179	238,05	111.90	End Shut-In(2)		
3	181	2077.58	112.16	Final Hydro-static		

Recovery

Length (fi)	Description	Volume (bbi)		
15.00	mud 100% m	0.07		
* Recovery from multiple tests				

Gas Rates

Choke (inches) Pressure (psig)

Gas Rale (Mct/d)

Trilobite Testing, Inc.

Ref. No: 54720

Printed: 2013.12.18 @ 10:19:05



FLUID SUMMARY

Lario Oil Company

4-15-32 Logan KS

301 S Market St. Wichita KS 67202

ATTN: Steve Davis

Rose B Unit 1-4

Job Ticket: 54720

DST#: 8

Test Start: 2013.12.17 @ 19:54:15

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: bbl

0 ppm

Viscosity: Water Loss: 65.00 sec/qt 7.19 in³

Cushion Volume: Gas Cushion Type:

Resistivity:

0.00 ohmm

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 5000.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length Description Volume ft bbl 15.00 mud 100% m 0.074

Total Length:

15.00 ft

Total Volume:

0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 54720

Printed: 2013.12.18 @ 10:19:06



