

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1190406

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #: ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Recompletion Date of Recompletion Date of Recompletion Date of Recompletion Date Rec	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:								

	Page Iwo	1190406		
Operator Name:	Lease Name:	Well #:		
Sec TwpS. R East West	County:			
INCTRUCTIONS. Chain important tang of formations panetrated. De	tail all aaraa Danart all final	appiag of drill stamp tasta giving interval tastad, time task		

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 (Attach Additional She	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, 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 / SQU	EEZE RECORD			

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No,	skip	questions 2 and 3)
(If No,	skip	question 3)

No No

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					۵		ement Squeeze Record d of Material Used)	Depth	
TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No					No					
Date of First, Resumed	l Producti	on, SWD or ENHR.		Producing M	ethod:	oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbls.		Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COM					_	PRODUCTION INT	ERVAL:			
					Uually (Submit A		Commingled (Submit ACO-4)			
(If vented, Su	bmit ACO	-18.)		Other (Specify)		Gubillit		(Submit ACC-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion			
Operator	Lario Oil & Gas Company			
Well Name	Krebs Credit Shelter 5-36			
Doc ID	1190406			

Tops

Name	Тор	Datum
Heebner	3687	-981
Lansing	3728	-1022
Stark Shale	3978	-1272
Hushpuckney	4017	-1311
Base KC	4075	-1369
Marmaton	4112	-1406
Pawnee	4186	-1480
Ft. Scott	4217	-1511
Johnson	4310	-1604
Morrow	4333	-1627
Basal Penn	4357	-1651
Mississippian	4381	-1675
Spergen	4522	-1816

Form	ACO1 - Well Completion			
Operator	Lario Oil & Gas Company			
Well Name	Krebs Credit Shelter 5-36			
Doc ID	1190406			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	12.25	8.625	23	261	Common	155	3% сс
production	7.875	5.5	14	4530	ASCA		10# salt, 6% gyp- seal, 2% gel
DV tool	7.875	5.5	14	2205	AMA		2# salt, % gyp-seal, 2% sodmet



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

Mar 17, 2014

INVOICE

Invoice Number: 141495 Invoice Date: Feb 20, 2014 Page: 1

drilling AFE 14-008 3-3-14 LK

Customer ID	Field Ticket #	Payment	Terms
Lario	61471	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Feb 20, 2014	3/22/14

Quantity	ltem	Description	Unit Price	Amount
1.00	WELL NAME (Krebs Credit Shelter #5-36		
155.00	CEMENT MATERIALS	Class A Common	17.90	2,774.50
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
163.50	CEMENT SERVICE	Cubic Feet Charge	2.48	405.48
188.12	CEMENT SERVICE	Ton Mileage Charge	2.60	489.11
		Surface	1,512.25	1,512.25
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
	EQUIPMENT OPERATOR			
	EQUIPMENT OPERATOR			
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		
		V V		
	ES ARE NET, PAYABLE	Subtotal		6,142.84
	FOLLOWING DATE OF	Sales Tax		241.63
INVOICE	E. 1 1/2% CHARGED	Total Invoice Amount		6,384.47
	TER. IF ACCOUNT IS	Payment/Credit Applied		
\$	1,719.99	TOTAL		6,384.47
O <u>NLY IF F</u>	PAID ON OR BEFORE			

ALLIED OIL & GAS SERVICES, LLC 061471 Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 Oakley KS DATE 2-20- 14 Krobs Credit LEASE Shelter SEC rwp, RANGE d 32 CALLED OUT ON LOCATION JOB START 12:304.M JOB FINISH 1:00 q.m. STATE WELL# 5-36 Сримту LOCATION DAKL 225 5 ogan OLD OR NEW (Circle one) Muc fin CONTRACTOR OWNER ame TYPE OF JOB Sur face HOLE SIZE シリイ 263 <u>T.D.</u> CEMENT CASINO SIZE 8 S DEPTH 265 AMOUNT ORDERED TUBING SIZE DEPTH 3 DRILL PIPE DEPTH TOOL DEPTH PRES. MAX 1555ke 17.90 2774.50 MINIMUM COMMON. MEAS. LINE SHOE JOINT POZMIX 6 CEMENT LEFT IN CSG. GEL 0 PERFS. . CHLORIDE losk @ 64.00 384.00 DISPLACEMENT 5.92 bb water ASC @ EQUIPMENT 0 @ PUMPTRUCK CEMENTER Tau @ PRAVUY ര HELPER Jer @ BULK TRUCK @ # 600 DRIVER DILVINSON Vialidian @ **BULK TRUCK** 0 # DRIVER HANDLING 143.5 -81-3 @242 MILEAGE 188.12 Ton/mix 2.60 **REMARKS:** TOTAL 4042,95 miv om 3%/0((~~ 5 10 JISOla (P le wai SERVICE enhent nreo 6 DEPTH OF JOB PUMP TRUCK CHARGE 15-12. EXTRA FOOTAGE @ You hank MILEAGE milly 25 @ 7.70 Tyler + Brandon MANIFOLD_ Swedge @ 75.00 MILV @ 4.40 2,5 110.00 @ Lario Øil + Gas CHARGE TO: TOTAL 2089.75 STREET. ĊIŤÝ__ STATE. ZIP_ PLUG & FLOAT EQUIPMENT @ 0 To: Allied Oil & Gas Services, LLC. ø 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 BID done to satisfaction and supervision of owner agent or TOTAL . contractor. I have read and understand the "GENERAL SALES TAX (If Any). TERMS AND CONDITIONS" listed on the reverse side. 6.133.70 TOTAL CHARGES. PRINTED NAME VOM 1, NOCO DISCOUNT IF PAID IN 30 DAYS 4,415.54 Net. SIGNATURE

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Date	2/19/14
Service Point:	Dakley
Manager	Terry Heinrich
Address	P.O. Box 27
	Dakley, KS 67748
Business Phone	785-672-3457
2-111211	(en) heinich @alled.tom
Mobile	785-673-9376



Company	Larlo Oil & Gas Company	Prepared For:	Jay Schweikert	12050	TO STOWN	ll Data di San 19	STAR STEM
Address	301 S. Market	Title:	Opers, Eng.	Open Hole	12 1/4	Depth	220
Address	Wichita Kansas, 67202	Business Phone:	316-265-5611			I.D.	12.25
Well Name	Krebs Credit Shelter	E-mall:	lumasi en Elinooi .com	7		Job Excess	001
lease	# 5-36	Mobile Phone:	11 12 12 12 12 12 1	Cating Size	8 5/8	Depth	220
field		Prepared By:	Keal Bupp	ſ		D.D.	8.6875
County	legan .	Title:	Sales and Held Operations Man	1		l,D,	7.825
State	Kansas	Business Phone:]		Casing Weight	. 24
Section	36	E-mail:	neal supp @allediensteet com	1		Thread	STC
Township	145	Mobile Phone:	316-250-7057]		Grade	1.55
Range	12W	Rig Contractor	Southwind Onling	1		•	
API Number	·	Rig Name	NL on the state of the state	1			
Proposal Titles	Surface Cosing	Rig Phone]			

<u> </u>		T	Costper	T		<u> </u>	Unit	Γ
	Units	UOM	Unit		Total		Net	Net
CIMN - Casing Pump Charge D to 300*	51.00	(lors hours	\$1,512.25	15	1,512.25	5	1,088.82	\$1,088.82
CMIID - Cementing Head Rental with Manifold	71.00	per day?	\$275.00	15	275.00	\$	199.00	\$198.00
	0.00	0.00	\$0.00	5		15	•	\$0,00
L CALASSACT TO COMPANY	20.00	0.00	\$0.00	\$	-	5		\$0.00
tanàn Marina. Ingkanaka	= 0.00	0.00	\$0.00	\$	•	5	-	\$0.00
Subtoral		1	1	\$	1,787.25	1	-22,711,12,111,	\$1,785.82
Wooden Plug	1.00	Each	\$107.64	\$	107,64	15	107.64	\$107.64
	0.00	Each	FOR	15	-	15	······································	\$0.00
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1	0.00	Each	\$0.00	\$	-	15		\$0,00
Subtotal]	\$	107.64	1		\$107.54
CAC-CLASS A COMMON	155.00	persack .	\$17.90	\$	2,774.50	\$	12.89	\$1,997.64
CACL - Calcium Chloride	6.00	per sack -	\$64.00	\$	384.00	\$	46.08	\$275.48
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	10.00 T	/==0.00	\$0.00 °	5	-	\$	-	\$0.00
	0.00	0.00	\$0.00	\$	- :	\$	•	\$0.00
Subtotal				\$	3,158.50			\$2,274.12
HDLG - Products handling service charge	163.50	per cu. Ft.	\$2.42	\$	395.34	\$	1.74	\$284.65
DRYG - Drayage for products	188.12	ton mile	\$2.60	\$	489.11	\$	1.67	\$352.16
MILV - Ught Vehicle Mileage	25.00	per mile '	\$4.40	\$	110.00	\$	3.17	\$79.20
MIHV - Heavy Vehicle Mileage Title	25.00	per mile 🗧	\$7.70	\$	192.50	\$	5,54	\$138,60
Sublotal				\$	1,186.96			\$854.61
	0.00	D.00	\$0.00	\$	-	\$	-	\$0.00
	0.00	220.00	\$0,00	\$	-	\$	+	\$0.00
Sublotal				\$	•			\$9.D0
Totals:				\$	6,240.35			\$4,523.19
DISCOUNT: Operations			28.0%		(500.43)			
DISCOUNT: Equipment Sales			10.0%		0.00			
DISCOUNT: Products			-35+28.0%		(884.30)			
DISCOUNT: Transport			- 28.0X		(332.35)			~
DISCOUNT: OTHER			28.0%		0.00			
	Í		Contal		(1,717.16)			

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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

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Invoice Number: 141758 Invoice Date: Mar 2, 2014 Page: 1

drilling AFE 14-008 3-17-14 4K

	Field Ticket #	Payment	Terms
Customer ID Lario	62005	Net 30 I	we approximate the rest of the control of the second state of the
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 2, 2014	4/1/14
			Amount

Oursetitus	Item	Description	Unit Price	Amount
Quantity	WELLNAME (Krebs Credit Shelter #5-36		
t	CEMENT MATERIALS	Gel – No Charge		
	CEMENT MATERIALS	ASC	20.90	2,717.00
	CEMENT MATERIALS	AMD	25.90	7,770.00
	CEMENT MATERIALS	Gilsonite	0.98	637.00
37.00	1	FL-160	18.90	699.30
18.00		Defoamer	9.80	176.40
75.00		Flo Seal	2.97	222.75
	CEMENT MATERIALS	Super Flush	58.70	704.40
	CEMENT MATERIALS	Salt – No Charge		4 070 00
1	CEMENT SERVICE	Cubic Feet Charge	2.48	1,279.68
1	CEMENT SERVICE	Ton Mileage Charge	2.60	1,495.00
	CEMENT SERVICE	Production Bottom Stage	2,765.75	2,765.75
1.00		Production Top Stage	2,406.25	2,406.25
1	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50 275.00
	CEMENT SERVICE	Manifold Head Rental	275.00	
	CEMENT SERVICE	Light Vehicle Mileage	4.40	
	EQUIPMENT SALES	5-1/2 Latch Down Plug Assembly	537.90	
1	EQUIPMENT SALES	5-1/2 D V Tool	5,335.36	1 1
	EQUIPMENT SALES	5-1/2 Packer Shoe	3,765.00	1 . 1
	0 EQUIPMENT SALES	5-1/2 Basket	394.29	394.25
		Subtotal		Continued
ALL PRI	CES ARE NET, PAYABLE S FOLLOWING DATE OF	Sales Tax		Continued
JNVOI	CE. 1 1/2% CHARGED	Total Invoice Amount		Continued
THEREA	FTER. IF ACCOUNT IS	Payment/Credit Applied	1	
CURRE	NT, TAKE DISCOUNT OF	TOTAL		Continued
\$	9,072,43		<u> </u>	
-2400000				
ONLYI	F PAID ON OR BEFORE			
	Mar 27, 2014			



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

Customer ID	Field Ticket #	Paymen	t Terms
Lario	62005	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 2, 2014	4/1/14
101-02			

	Item		Description	Unit Price	Amount
Quantity	EQUIPMENT SALES	5-1/2 Centralizer		57.33	515.97
	EQUIPMENT OPERATOR		'n		
	EQUIPMENT OPERATOR				
	OPERATOR ASSISTANT	Brandon Wilkinson			
				<u> </u>	
L		Subtotal			31,999.55
ALL PRIC	ES ARE NET, PAYABLE FOLLOWING DATE OF	Sales Tax			1,795.87
INVOIC	E. 1 1/2% CHARGED	Total Invoice	Amount		33,795.42
THEREA	FTER. IF ACCOUNT IS IT, TAKE DISCOUNT OF	Payment/Cred	dit Applied		andari artaz la Dire Duttare Disanete Alberte (*
CURKEN		TOTAL			33,795.42
\$	9,072.43				
	PAID ON OR BEFORE				
	Mar 27, 2014				

INVOICE

Invoice Number: 141758 Invoice Date: Mar 2, 2014 Page: 2

ALLIED OIL & GAS SERVICES, LLC 062005 Federal Tax 1.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT: Oakley KS
DATE 3-2-14 SEC 36 TWP 14 RANGE 32	LLED OUT ON LOCATION JOB START O JOB FINISHOO
FICOS LITERIE - 71	22,55 E. E. 1/8 Logan KS
OLD OR NEW (Circle onc) N+ Einter	
	<u>e</u>
CONTRACTOR Murfin 21	owner Same
TYPE OF JOB Production (2. store) HOLE SIZE 77/8 T.D. 4690'	CEMENT
CASING SIZE 5-17 DEPTH 4530.12'	AMOUNTORDERED 1305KS ASC 10%
TUBING SIZE DEPTH	salt 5th 6: /sonik 2/2ge 1.3% FLIGO 14th Defamer 300sts AMD 2%salt 2% Metso
DRILL PIPE DEPTH TOOL AN TOOL DEPTH	4% Gel 1/4# Flo-seal
PRES. MAX MINIMUM	COMMON@
MEAS, LINE SHOE JOINT 21, 14'	OEL <u>3.5ks</u> @23.40 N/C
CEMENT LEFT IN CSG. 21.14'	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
DISPLACEMENT Bottom, Sounder+ 60.01 mod	ASC 1305ks @ 20.90 2717.00
EQUIPMENT TOP 53.80 water	AMD 300545 @25.90 7770.00 Bilsonite 450# @, 98 637.00
	6.150014e 450# @,78 637.00 FL-160 37# @18.90 699.30
PUMPTRUCK CEMENTER Faist Scaner	Defeamer 184 @ 9.80 176,40
# 120 HELPER Tyler Flipse	Elo-sea 75# @ 2.97 222,75
# 600 DRIVER Brandon 42.1KINSON	<u>Super-flush 12661 @ 58,70 704.40</u> Salt 14sks @26,35 N/C
BULKTRUCK # 373 DRIVER TIME 1 (This)	@
	HANDLING 516 2+3 @ 2.48 1279.1.8
431 Teul Server REMARKS:	MILEAGE 575 ton/miv2.40 149.500 TOTAL 15,701.53
P Di / Flui Coine Boll anglh	101AL1 <u>27701223</u>
bail, ball wint through short @ 100 th tist	sterdia SERVICE
MM. 17 bbl WFR-TT mix 130 sts ASC,	
Basting and Ritoria (1800 + 11ft Drop	PUMPTRUCK CHARGE Botom Stace 27(55.75
	EXTRAFOOTAGE Top @ 2406.25
in RA ministrin M.H. Mix 255 sks AMD,	MILEAGE 111AV 25 @ 7.70 192,50
did land @200 & wilcover high constant water ply;	MANIFOLD Hand @ 275.00 MILV 25 @ 4.40 110.00
and lack early - allow - 1174 - canalting and	<u>a</u>
CHARGETO: Lario Dil+Gas Thomas	
1w,	TOTAL 5,749.50
STREET	
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT
•	Weatherford (5/2)
· ,	Later down - Pty phy Assy @ 37.90
	Parter Shae @ 5335.36 Parter Shae @ 5765.00
To: Allied Oil & Gas Services, LLC.	Basket @ 394.29
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	Centralizers 9 @57.33 575.97
contractor to do work as is listed. The above work was	100110 52
done to satisfaction and supervision of owner agent or	TOTAL 10548.52
contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
TERMS AND CONDITIONS instea on the reverse side.	TOTAL CHARGES 31, 999.55
Source Sille 1	DISCOUNT
PRINTED NAME Tim GITIOS 14	DISCOUNT IF PAID IN 30 DAYS
0 _00 k	Bid 22927.11
SIGNATURE Bulling !.	- /
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EXD SHEET

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Managar	Terry No. Yoh
Astres	P.O. Box 27
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ALLIED DOIL & GASSERVICES, LIC		AI	LI AS SERVI	ED	
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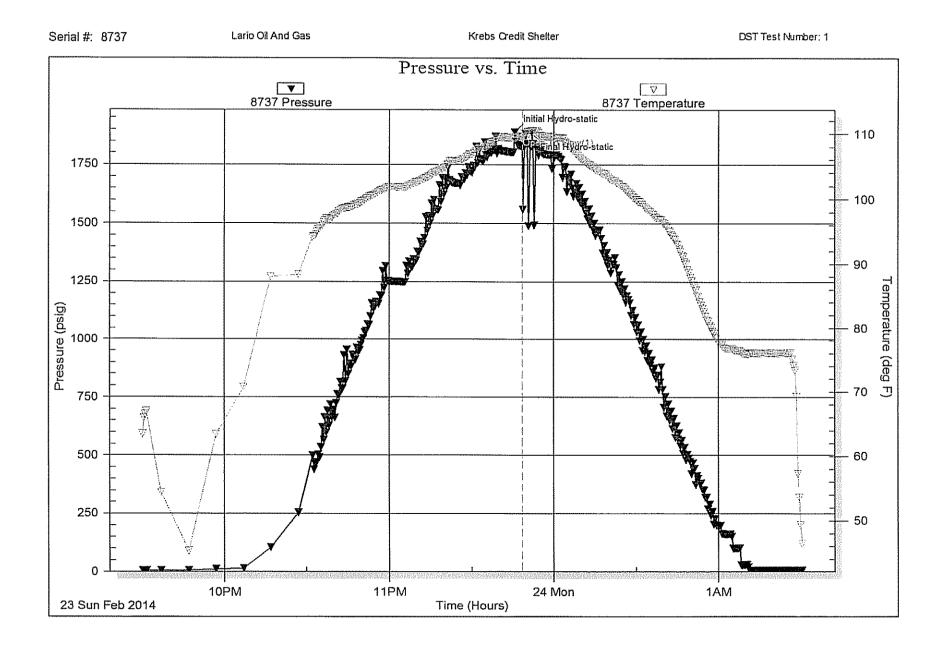
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CIVID - Comercine Hand Assist inth Mandfeld -			\$275.00	15	275.00	13	192.53	\$192.50
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Latch Down Ping Theory And Andreas	1. 1.67 .	LSch	\$537.50	ts:	537.50	5	CLA3	5463.4
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AMOL- LILED MULTIDIAL CHIL-DASS A		iper par	\$25.50	1÷	7,77363		1013	354191
RSL + Flo Seel 12, Direct 14, 7, 10 William The	175.00	List po aid	\$2.57	15	222.75	ŝ	2/3	\$155.5
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Unificental states and state	12.00	Y'PE/15'1	\$52.70	tš-	754,40	Ś	\$1.03	5472.0
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hEis .Fradacta ta Ser levice the ye	53550	PRYDLIL	\$2.41	1	1,177.68	-	1.74	1017
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	DRILL STEM TES	ST REPO	RT			
RILOBITE	Lario Oil And Gas		36-14s-32\	v Logan K	S	
ESTING , INC	301 S. Market St. Wichita KS		Krebs Cre Job Ticket: 5	edit Shelter		st. A
	67202 ATTN: Tim Lauer			2014.02.23 @	DST:	
uhædii.						-
GENERAL INFORMATION: Formation: Lansing B						
Formation:Lansing BDeviated:NoWhipstock:Time Tool Opened:23:48:30Time Test Ended:01:30:30	ft (KB)		Test Type: Tester: Unit No:	Conventional Mike Roberts 65		Hole (Initial)
Interval: 3758.00 ft (KB) To 37 Total Depth: 3790.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	′D)		Reference E KB	evations:	2696.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8737 Press@RunDepth: psig Start Date: 2014.02.23 Start Time: 21:30:15 TEST COMMENT: IF:PACKER FAILU	End Date: End Time:	2014.02.24 01:30:30	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2 2014.02.23 @ 2014.02.23 @	2014.02.2 D 23:45:4	45
IS: FF: FS:						
Pressure vs. T	EST Constants	Time F	PRESSU	RE SUMMA		
(10) burter (20) co co co co co co co co co co		(Min.) 0 1 3 1 7 1	(psig) (deg F) 889.00 109.46 823.97 109.62 883.99 110.44	5 Initial Hydro 2 Open To Flo	-static ow (1)	
Recovery			Ga	as Rates		
Length (II) Description	Volume (bbi)		Choixe	(inches) Pressure	o (psig)	Gas Rate (MMc//d)
309.00 mud 100% m	2.08					
Trilobite Testing, Inc	Ref. No: 56750		Printed	: 2014.02.24 (<u>നടം ചറ</u>	20

Printed: 2014.02.24 @ 06:30:20

ACT-	RILOBITE	DRI	ILL STEM TEST REPORT	-	<u> </u>	FLUID SUMMARY
	A		Dil And Gas	36-14s-32v	v Logan KS	
	ESTING , INC	1 00.0.	Market St.	Krebs Cre	dit Shelter	
		Wichita 67202		Job Ticket: 5	6750	DST#:1
N CON		1	Tîm Lauer	Test Start: 2	2014.02.23 @ 21	1:30:15
Mud and C	ushion Information	Į			*****	
	Sel Chem		Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal		Cushion Length: Cushion Volume:	ft	Water Salinity:	0 ppm
Viscosity: Water Loss:	48.00 sec/ql 7.18 in³		Gas Cushion Type:	bbl		
Resistivity:	0.00 ohmm		Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm					
Filter Cake:	1.00 inches					
Recovery li	nformation		Recovery Table			
	Leng	jth	Description	Volume]	
	ft	309.00	mud 100% m	bbl 2.084		
	Total Length:		0.00 ft Total Volume: 2.084 bbl	1.001	1	
	Num Fluid Sam		Num Gas Bombs: 0	Serial #		
	Laboratory Na		Laboratory Location:		·	
	Recovery Com	ments: PA	ACKER FAILURE			



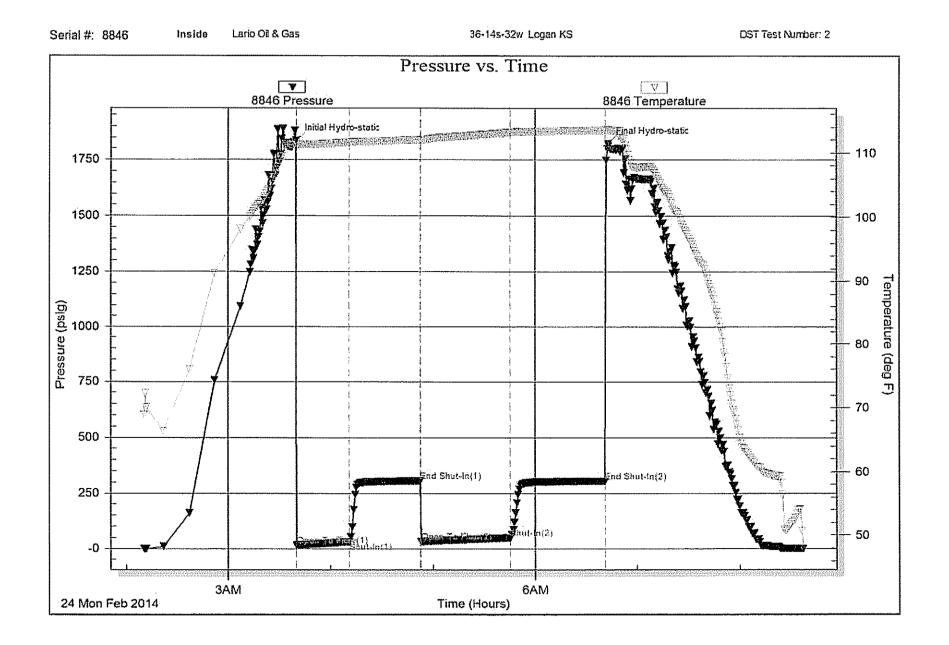
Ref. No: 56750

Printed: 2014.02.24 @ 06:30:21

	DRILL STEM TES	T REP	ORT			
I RILOBITE	Lario Oil & Gas		Kre	bs Crea	lit Shelter #5-36	
ESTING, INC	301 S. Market St.		36-1	14s-32w	Logan KS	
	Wichita KS 67202		Job 1	Ticket: 56	6401 DST#: 2	
	ATTN: Tim Lauer		Test	Start: 20)14.02.24 @ 02:10:15	
GENERAL INFORMATION:						
Formation:Lansing BDeviated:NoWhipstock:Time Tool Opened:03:40:00Time Test Ended:08:37:15	ft (KB)	Test Type:Conventional Bottom Hole (Reset)Tester:Mike RobertsUnit No:65				
Interval:3756.00 ft (KB) To379Total Depth:3790.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Refe	rence Be KB t	evations: 2706.00 ft (KB) 2696.00 ft (CF) o GR/CF: 10.00 ft	
Serial #: 8846InsidePress@RunDepth:48.10 psig (Start Date:2014.02.24Start Time:02:10:15TEST COMMENT:F:Built to 2" blow	 3785.00 ft (KB) End Date: End Time: 	2014.02.24 08:37:15	Capacity: Last Calib. Time On B Time Off E	u: Birm: d	8000.00 psig 2014.02.24 2014.02.24 @ 03:39:45 2014.02.24 @ 06:42:45	
IS:No return blow FF:Built to w eak s FS:No return blov	/	T				
Pressure vs. Ti INC. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc		Time	PR Pressure	ESSUF Temp	RE SUMMARY	
CBD 0000 CBD 000 CBD 0000 CBD 000 CBD 000 CBD 000 CBD 000 CBD 000 CBD 000 C		(Min.) 0 1 32 73 73 126 182 183	(psig) 1834.35 14.30 30.15 304.42 30.86 48.10 303.71 1821.60	(deg F) 111.47 110.82 111.56 112.01 111.90 113.14 113.49	Initial Hydro-static Open To Flow(1) Shut-In(1) End Shut-In(1) Open To Flow(2)	
Recovery			I	Ga	s Rates	
Length (ft) Description	Volume (bbl)			Choke (i		
62.00 ocm 2%o 98%m	0.30			•		
62.00 m 100%mud	0.30					
'Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 56401	J		Printed	2014.02.24 @ 09:09:36	

ATTA-	RILOBITE	DRI	LL STEM	TEST R	REPORT			FLUID S	JMMARY
			vil & Gas			Krebs Cre	edit Shelter	#5-36	
日本	ESTING , INC	301 S.	Market St.			36-14s-32w Logan KS			
		Wichita	KS 67202			Job Ticket:		DST#: 2	
N.S.		ATTN:	Tim Lauer			Test Start: 3	2014.02.24 @ (02:10:15	
Mud and C	Sushion Information								
Mud Type: (Gel Chem		Cushion	Туре:			Oil API:	t) deg API
Mud Weight:	9.00 lb/gal		Cushion			ft	Water Salinity	: () ppm
Viscosity: Water Loss:	48.00 sec/qt 7.18 in³			Volume: shion Type:		ppl			
Resistivity:	0.00 ohmm			hion Pressure:		psig			
Salinity:	1800.00 ppm					10			
Filter Cake:	1.00 inches								
Recovery I	nformation								
	٢			ery Table			٦		
	Leng ft	lh .	Desc	ription		Volume bbl			-
		62.00	ocm 2%o 98%n	n		0.30			
		62.00	m 100%mud			0.30	2		·
	Total Length:			Volume:	0.610 bbl				·
	Num Fluid Samp Laboratory Nan			Gas Bombs: ratory Locatior	0	Serial #			
	Recovery Com		Labo	ratory cocation					

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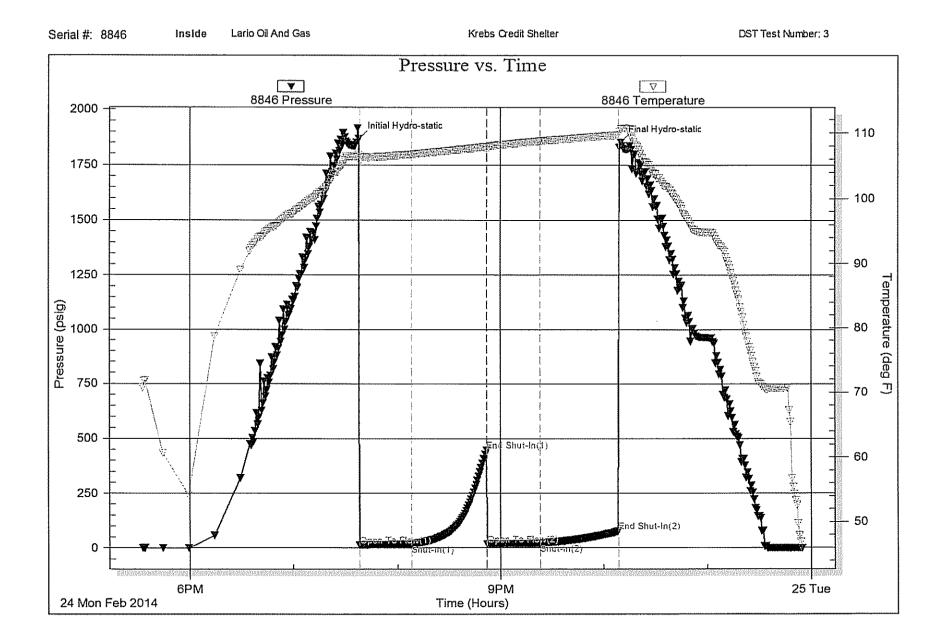


Ref. No: 56401

Printed: 2014.02.24 @ 09:09:37

RILOBITE	DRILL STEM TES	T REP	ORT				
	Lario Oil And Gas		36-1	14s-32w	Logan	KS	
ESTING , INC			Kre	bs Crec	lit Shel	ter	
	Wichita KS 67202		Job ⁻	Ticket: 56	6402	DST	°#: 3
	ATTN: Tim Lauer		Test	Start: 20	14.02.24	@ 17:32:1	5
GENERAL INFORMATION:	unnan um ¹¹² , ¹¹² ¹¹² ¹¹² ¹¹² ¹¹² ¹¹²						*****
Formation: Lansing D Deviated: No Whipstock: Time Tool Opened: 19:38:00 Time Test Ended: 23:55:15	ft (KB)		Test Test Unit I	er: N	Conventic Vike Robe		Hole (Reset)
Interval: 3808.00 ft (KB) To 38 Total Depth: 3838.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole			Refe	rence Be KB ti	o GR/CF:	2696	.00 fl (KB) .00 fl (CF) .00 fl
Serial #: 8846 Inside Press@RunDepth: 19.83 psig Start Date: 2014.02.24 Start Time: 17:32:15	@ 3833.00 ft (KB) End Date: End Time:	2014.02.24 23:55:15	Capacily: Last Calib Time On E Time Off E	.: 3tm: 2		8000 2014.02 24 @ 19:37 24 @ 22:09	:45
TEST COMMENT: IF:Built to weak s IS:No return blov FF:No blow FS:No return blo	/ W	1					
Pressure vs. 7	11nc (7) 1940 Yaquakas	Time	PR Pressure	ESSUR Temp	Annota		
Januarian I		(Min.)	(psig)	(deg F)			
		0	1866.72 12.22	106.57 105.58		dro-static	
		31	12.22		Shut-In(5 Flow (1) 1)	
		74	447.06	107.85	End Shu	it-in(1)	
		75 106	17.44 19.83	107.74	Open To Shut-In() Flow (2)	
· ··· ↓ / ···· ↓			76.08	109.62	End Shu	t-In(2)	
		152	1851.34	110.51	Final Hy	dro-static	
Recovery				Gas	s Rates		
Length (fi) Description	Volums (bbl)			Choke (in		ssure (psig)	Gas Rate (MMcl/d)
5.00 mud with oil spots	0.02			•	i		
·····							
······							
* Recovery from multiple tests	······································	<u> </u>				25 @ 01:30	

ACT.	RILOBITE	DRI	LL ST	EM TEST F	REPOR	Г		FLUID SU	MMARY
	Americani	Lario O	il And Gas			36-14s-32v	v Logan KS		
	ESTING , INC	301 S. Wichita 67202	Market St. KS			Krebs Cre Job Ticket: 5	dit Shelter 6402	DST#: 3	
N/ESA			Tim Laue	r		Test Start: 2	014.02.24 @ 1	7:32:15	
Mud and C	Sushion Information					····			
Mud Type: Mud Weight: Viscosity: Water Loss: Resistivity: Salinity: Filter Cake:	Gel Chem 9.00 lb/gal 50.00 sec/qt 7.79 in ³ 0.00 ohmm 2400.00 ppm 1.00 inches		0. 0. Gi	ushion Type: ushion Length: ushion Volume: as Qushion Type: as Qushion Pressure	2		Oil API: Water Salinity:		deg API ppm
Recovery	Information								
	Leng	lh	R	ecovery Table Description		Voiume bbi			
		5.00	mud with	oil spots		0.025			
	Total Length:	5.	00 ft	Total Volume:	0.025 bbl				
	Num Fluid Sam Laboratory Nan Recovery Com	e:		Num Gas Bornbs: Laboratory Locatio	0 n:	Serial #:			

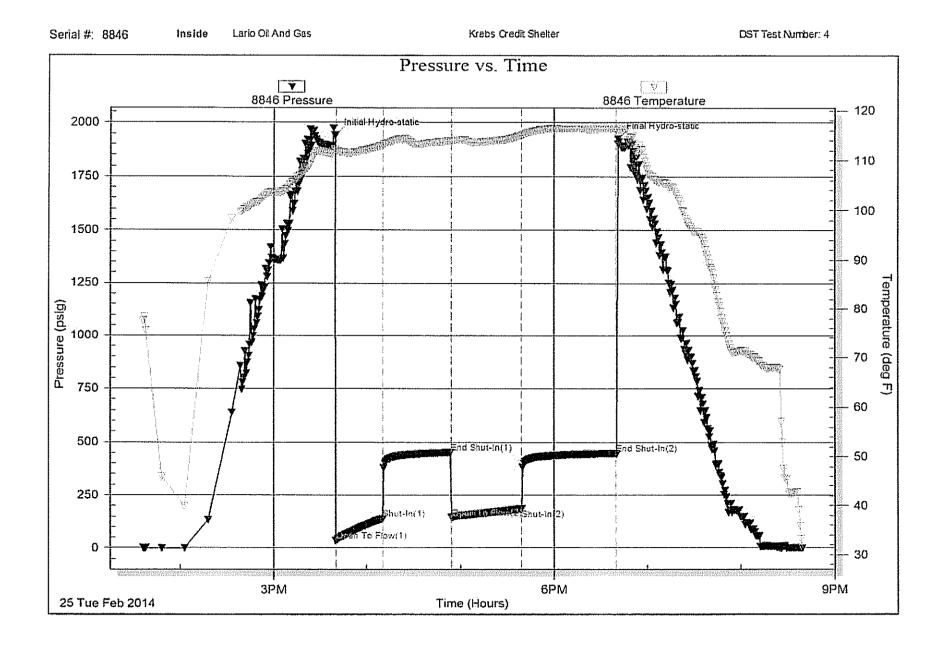


Ref. No: 56402

Printed: 2014.02.25 @ 01:30:21

RILOBITE	Lario Oil And Gas			36-	14s-32w	/ Logan K	S
ESTING , INC	301 S. Market St. Wichita KS					dit Shelte	r
	67202			dof	Ticket: 56	6403	DST#:4
NOK.	ATTN: Tim Lauer			Tes	t Start: 20	014.02.25 @	13:36:15
GENERAL INFORMATION:	<u>workern men and an anna an anna an anna an anna an anna an an</u>					***	*
Formation: LAnsing H-I Deviated: No Whipstock: Time Tool Opened: 15:40:00 Time Test Ended: 20:39:15	ft (KB)			Tes	ter:	Conventiona Mke Roberts 65	l Bottom Hole (Reset) s
Interval: 3896.00 ft (KE) To 39 Total Depth: 3965.00 ft (KB) (Tv Hole Diameter: 7.88 inchesHole	/D)			Refe	erence 🖽 KB I	evations: to GR/CF:	2706.00 ft (KB) 2696.00 ft (CF) 10.00 ft
Serial #: 8846 Inside Press@RunDepth: 185.19 psig Start Date: 2014.02.25 Start Time: 13:36:15	@ 3898.00 ft (KB) End Date: End Time:		2014.02.25 20:39:15	Capacity Last Calit Time On I Time Off	b.: Btm:	2014.02.25 (2014.02.25 (
FF:Built to 8" blov	vi -						
FS:No return blov Pressure vs. Ti	V 	1111-115-11-11-11-11-11-11-11-11-11-11-1		PF	RESSUF	RE SUMM	ARY
FS:No return blov	V		Time (Min.)	Pressure	Temp	Annotatio	
FS:No return blov Pressure vs. Ti BOTTOMIN	V innc Editorymiaes		Time (Min.) 0	Pressure (psig) 1941.23	Temp (deg F) 112.18	Annotatio	o-static
FS:No return blov	V innc Editorymiaes	1	(Min.) 0 1	Pressure (psig) 1941.23 34.41	Temp (deg F) 112.18 111.70	Annotatio Initial Hydro Open To Fl	o-static
FS:No return blov	V innc Editorymiaes		(Min.) 0	Pressure (psig) 1941.23	Temp (deg F) 112.18 111.70 113.03	Annotatio Initial Hydro Open To Fl Shut-In(1)	on o-static low (1)
FS:No return blov	V innc Editorymiaes		(Min.) 0 1 31	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18	Temp (deg F) 112.18 111.70 113.03 113.89 113.83	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	on o-static low (1) n(1)
FS:No return blov	V innc Editorymiaes	E 2 B E R	(Min.) 0 1 31 74 75 120	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static low (1) n(1) low (2)
FS:No return blov			(Min.) 0 1 31 74 75	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.30	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	on o-static low (1) n(1) low (2) n(2)
FS:No return blov		La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.30	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	on o-static low (1) n(1) low (2) n(2)
FS:No return blov		La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.26 116.26	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
FS:No return blov	V	La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.30 116.26	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
FS:No return blov	V inter inter inter volume (bbl) 0.60	La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.26 116.26	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
FS:No return blov	V inter	La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.26 116.26	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
FS:No return blov	V inter inter inter volume (bbl) 0.60	La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.26 116.26	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static
FS:No return blov	V inter	La transferration of the second s	(Min.) 0 1 31 74 75 120 180	Pressure (psig) 1941.23 34.41 138.80 450.87 143.18 185.19 446.79	Temp (deg F) 112.18 111.70 113.03 113.89 113.83 115.01 116.26 116.26	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) static

RILOBITE	DRILL STEM TEST REPO	RT FLUID SUMMARY
	Lario Oil And Gas	36-14s-32w Logan KS
ESTING , INC	301 S. Market St. Wichita KS 67202 ATTN: Tim Lauer	Krebs Credit Shelter Job Ticket: 56403 DST#:4 Test Start: 2014.02.25 @ 13:36:15
. Break	ATTN, IBREAUER	Test start. 2014.02.23 @ 13.30.10
Mud and Cushion Information		
Mud Type:Gel ChemMud Weight:89.00 lb/galViscosity:52.00 sec/qtWater Loss:8.78 in³Resistivity:0.00 ohm.mSalinity:2800.00 ppmFilter Cake:1.00 inches	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	Oil API: 0 deg API ft Water Salinity: 19000 ppm bbl psig
Recovery Information		
	Recovery Table	
Leng ft		Volume bbi
	123.00 w cm 30%w 70%m	0.605
	124.00 w cm 2% 98%m	0.610
	92.00 mud with oil spots	1.291
Total Length: Num Fluid Samp	339.00 ft Total Volume: 2.506 t oles; 0 Num Gas Bombs: 0	obl Serial #:
Laboratory Nan Recovery Com	ne: Laboratory Location: ments: RW= .705@41.4*=19,000 ppm	

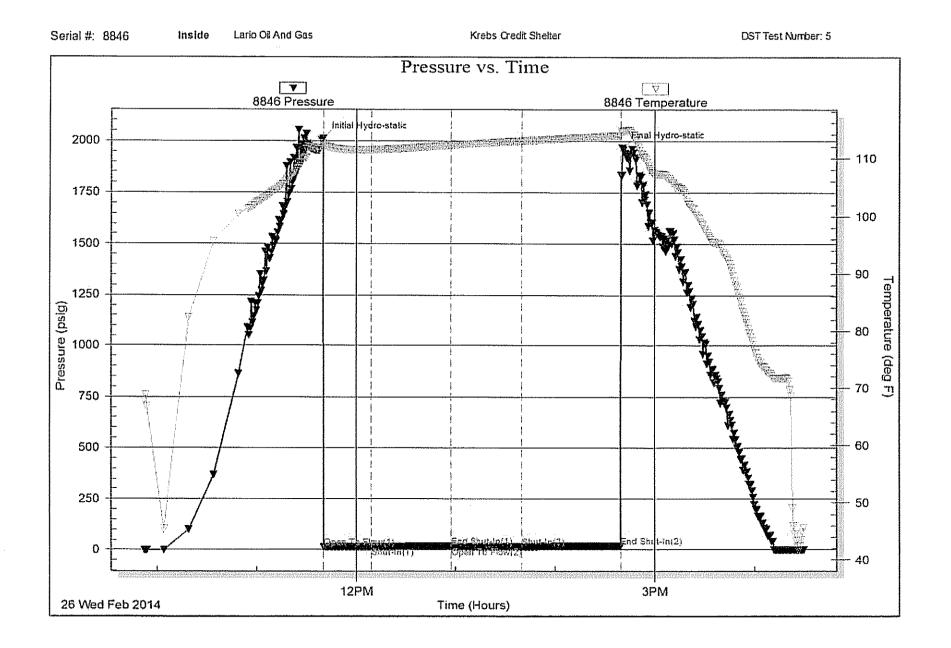


Ref. No: 56403

Printed: 2014.02.26 @ 08:05:21

	DRILL STEM TES	TREPC	RT				
TESTING, INC	Lario Oil And Gas		36-14s-3	36-14s-32w Logan KS			
	301 S. Market St. Wichita KS			Krebs Credit Shelter Job Ticket: 56404 DST#: 5			
	67202 ATTN: Tim Lauer			Test Start: 2014.02.26 @ 09:52:15			
GENERAL INFORMATION:			<u> </u>				
Formation:Lans Ing LDeviated:NoWhipstock:Time Tool Opened:11:40:15Time Test Ended:16:30:00	ft (KB)		Test Type: Tester: Unit No:	: Conventional Bottom Hole (Reset) Mike Roberts 65			
Interval:4027.00 ft (KB) To405Total Depth:4050.00 ft (KB) (TVIHole Diameter:7.88 inches Hole	C)			Elevations: 2706.00 ft (KB) 2696.00 ft (CF) KB to GR/CF: 10.00 ft			
Serial #: 8846InsidePress@RunDepth:15.20 psig @Start Date:2014.02.26Start Time:09:52:15TEST COMMENT:F:Built to weak su IS:No return blow FF:No blow FS:No return blow	End Date: End Time: Inface blow	2014.02.26 16:30:00	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2014.02.26 2014.02.26 @ 11:40:00 2014.02.26 @ 14:40:30			
Pressure vs. The		r	PRESS	URE SUMMARY			
	BO THEY ALL IN CALL IN THE STATE OF A STATE	(Min.) 0 1 29 78 78 120 180	18.46 113.	F 49 Initial Hydro-static 07 Open To Flow (1) 33 Shut-In(1) 14 End Shut-In(1)			
Recovery		Gas Rates					
Length (1) Description 5.00 mud 100% m	Volume (bbl) 0.02		Chc	ke (inches) Pressure (psig) Gas Rate (MMct/d)			
*Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 56404		Print	ed: 2014.02.27 @ 07:55:23			

10h	DRILL STEM TEST REPORT				FLUID SUMMARY			
RILOBITE		Lario Oil And Gas				36-14s-32v	*************************************	
日本				Krebs Cre				
	Wichita 67202	KS			Job Ticket: 5	DST#: 5		
ALCH!		ATTN: Tim Lauer			Test Start: 2014.02.26 @ 09:52:15			
Mud and C	ushion Information					<u> </u>		<u> </u>
	Sel Chem			ushion Type:		_	Oil API:	0 deg API
Mud Weight: Viscosity:	9.00 lb/gal 52.00 sec/qt			ushion Length: ushion Volume:		ft bbl	Water Salinity:	0 ppm
Water Loss:	8.78 in ³			as Cushion Type:		001		
Resistivity:	0.00 ohm.m		Gi	as Cushion Pressure	:	psig		
Salinity: Filter Cake:	2800.00 ppm 1.00 inches							
Recovery I	nformation							
			R	ecovery Table				
	Lengt	h		Description		Volume bbl		
		5.00	mud 1009	%m		0.025		
	Total Length:	5	.00 ft	Total Volume:	0.025 bbl			
	Num Fluid Samp			Num Gas Bombs:	0	Serial #		
	Laboratory Nan Recovery Com			Laboratory Location	1:			



Ref. No: 56404

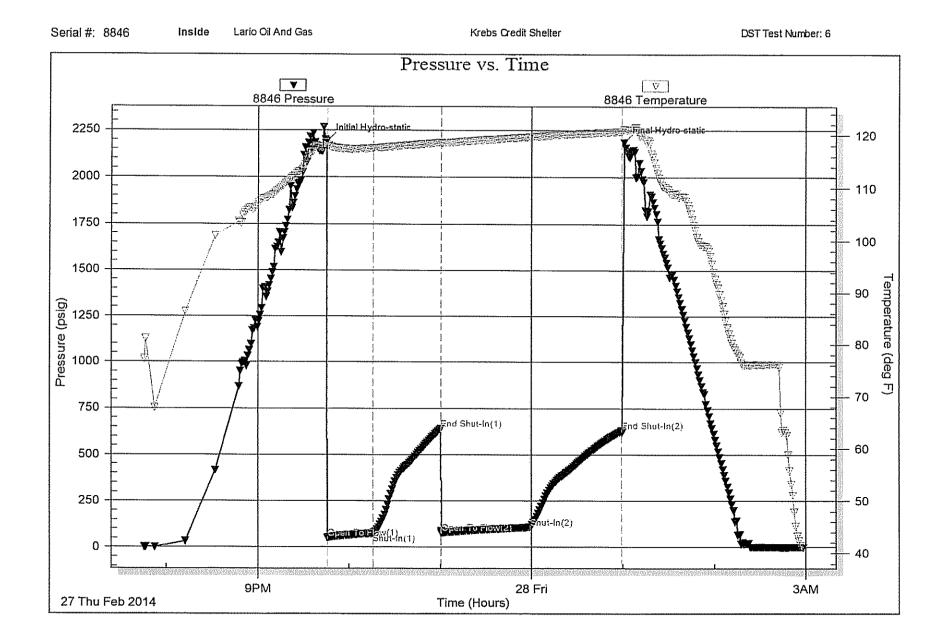
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	DRILL STEM TE	ST REP	ORT	<u>* • + * • *• • • • • • • • • • • • • • •</u>	9990-1 11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
RILOBITE	Lario Oil And Gas	36-14s-32w Logan KS						
			Krebs Cre	edit Shelte	r			
	Wichita KS 67202		Job Ticket:	56405	DST#:6			
	ATTN: Tim Lauer		Test Start:	2014.02.27 @	19:45:15			
GENERAL INFORMATION:	n. ļ	·	******		nnn			
Formation:Lower CherokeeDeviated:NoWhipstock:Time Tool Opened:21:45:45Time Test Ended:02:59:00		v	Test Type: Tester: Unit No:	Conventional Mke Roberts 65	Bottom Hole (Reset)			
Interval:4274.00 ft (KB) ToTotal Depth:4355.00 ft (KB) (Hole Diameter:7.88 inches He			Reference f	Bevations: B to GR/CF:	2706.00 ft (KB) 2696.00 ft (CF) 10.00 ft			
Serial #: 8846InsidePress@RunDepth:107.30 psigStart Date:2014.02.27Start Time:19:45:15	End Date:	2014.02.28 02:59:00	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2 2014.02.27 @ 2014.02.28 @				
TEST COMMENT: IF:Built to 3" blo IS:No return blo FF:Built to 4" bl FS:No return b	w w							
Pressure va	Time [V]	PRESSURE SUMMARY						
		Time (Min.)	Pressure Temp		n			
		(10111.)	(psig) (deg F 2192.95 118.5		-static			
173		1	49.88 117.8	9 Open To Flo				
		. 31 . 75	74.02 117.4 641.17 118.5		(1)			
		1 3 75 78.02 118.46 Open To Flow (2)						
		134 194		5 Shut-In(2)				
				9 End Shut-In 3 Final Hydro				
e e e e e e e e e e e e e e e e e e e								
Recovery			Gas Rates					
Length (fi) Description	· · · · · · · · · · · · · · · · · · ·		Choka	(inches) Pressure	e (psig) Gas Rate (MMct/d)			
2.00 free oil	0.01							
62.00 mco 4%m 96%o	0.30							
62.00 mco 40%m 60%o	0.30							
62.00 gcmo 10%g 30%m 60%	60 0.30							
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 56405		Deimine	d: 2014.02.28 (

Ref. No: 56405

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Linuconte Lefo Cil And Gas 36-14s-32w Logan KS Muiter Statistic Muchine KS Muchine KS Muiter Statistic Muchine KS Muchine KS Muiter Cell Chem Cushion Type: Oil AP: 32 deg API Muiter View Cell Chem Cushion Type: Oil AP: 32 deg API Muiter View Cell Chem Cushion Type: Oil AP: 32 deg API Muiter View Cell Chem Cushion Type: Dil AP: 32 deg API Muiter View Cell Chem Cushion Type: Dil API: 32 deg API Muiter View Cell Chem Cushion Type: Dil API: 32 deg API Viewer Sainity: 0.00 ohrum Gas Cushion Pressure: psig Sainity: 4200.00 pm Pilter Cake: 1.00 inches Person deg Solition Pressure: psig Recovery Information Recovery Table Clength Coll Tree of 0.0101 0.0101 2.00 Iree oil 0.0101 0.305 0.305 0.305 0.305 2.00 Iree oil 0.0101 0.305 0.305 0.305 0.305 0.305 0.305 0.305 0.305	RILOBITE	DR	ILL STEM TEST REPORT		FLUID SU	MMARY	
Wichita KS G7202 Job Ticket: 56405 DST#:6 Mud and Cushion Information Test Start: 2014.02.27 @ 19:45:15 Mud and Cushion Information Cushion Type: Oli AP: 32 deg API Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 0 ppm Viscosity: 56.00 sec/qt Cushion Volume: bbl bbl Viscosity: 0 ppm Vater Loss: 6.79 in³ Gas Cushion Type: psig Salinity: 0 ppm Vater Loss: 6.79 in³ Gas Cushion Type: psig Salinity: 0 ppm Vater Loss: 6.79 in³ Gas Cushion Pressure: psig psig Salinity: 0 ppm Vater Cake: 1.00 inches Recovery Table Ecovery Table Ecovery Table Imposition 0.010 62.00 rice 44%m 96%o 0.305 0.305 0.305 0.305 0.305 62.00 group 10%g 30%m 60%o 0.305 0.305 0.305 0.305 0.305 Caboratory Name: Laboratory Location: Num Gas Bombs: 0 Serial #: Serial #: Serial #:	Annual		Dil And Gas	36-14s-32w Logan KS			
Mud Type: Gel Chem Cushion Type: Oil API: 32 deg API Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 0 ppm Viscosity: 56.00 sec/qt Cushion Volume: bbl bbl 0 ppm Water Loss: 6.79 in³ Gas Cushion Type: psig 0 pm 0 pm Water Loss: 6.79 in³ Gas Cushion Type: psig 0 pm 0 pm Salinity: 0.00 ohmm Gas Cushion Pressure: psig 0 pm 0 pm Salinity: 4200.00 ppm Filter Cake: 1.00 inches psig 0 pm Recovery Table Clength Description Volume bbl 2.00 free oil 0.010 0.305		Wichit 67202	a KS	Job Ticket: 56405 DST#:6			
Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 0 pm Viscosity: 56.00 sec/qt Cushion Volume: bbl bbl Water Loss: 6.79 in³ Gas Cushion Type: psig Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig Salinity: 4200.00 ppm Filter Cake: 1.00 inches Recovery Information Recovery Information Description Volume bbl 2.00 free oil 0.010 62.00 mco 4%m 96%o 0.305 62.00 gcm 10%g 30%m 60%o 0.305 62.00 gcm 01%g 30%m 60%o 0.305 62.00 gcm 10%g 30%m 60%o 0.305 Num Fluid Samples: 0	Mud and Cushion Information	<u> </u>				······	
Recovery TableLength ftDescriptionVolume bbl2.00free oil0.01062.00mco 4%m 96%o0.30562.00mco 40%m 60%o0.30562.00gemo 10%g 30%m 60%o0.305Total Length:188.00 ftTotal Volume:0.925 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:Serial #:	Mud Weight:10.00 lb/galViscosity:56.00 sec/qtWater Loss:6.79 in³Resistivity:0.00 ohmmSalinity:4200.00 ppm		Cushion Length: Cushion Volume: Gas Cushion Type:	bbl			
Length ftDescriptionVolume bbl2.00free oil0.01062.00mco 4%m 96%o0.30562.00mco 40%m 60%o0.30562.00gcmo 10%g 30%m 60%o0.305Total Length:188.00 ftTotal Volume:0.925 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:Serial #:	Recovery Information		***************************************	······································			
ft bbl 2.00 free oil 0.010 62.00 mco 4%m 96%o 0.305 62.00 mco 40%m 60%o 0.305 62.00 gemo 10%g 30%m 60%o 0.305 Total Length: 188.00 ft Total Volume: 0.925 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:			Recovery Table		-		
2.00 free oil 0.010 62.00 mco 4%m 96%o 0.305 62.00 mco 40%m 60%o 0.305 62.00 gcmo 10%g 30%m 60%o 0.305 Total Length: 188.00 ft Total Volume: 0.925 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:			Description				
62.00 mco 4%m 96%o 0.305 62.00 mco 40%m 60%o 0.305 62.00 gcmo 10%g 30%m 60%o 0.305 Total Length: 188.00 ft Total Volume: 0.925 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:			free oil		5		
62.00 gcmo 10%g 30%m 60%o 0.305 Total Length: 188.00 ft Total Volume: 0.925 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:			тсо 4%т 96%о		~~~		
Total Length: 188.00 ft Total Volume: 0.925 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:							
Num Fluid Samples: 0Num Gas Bombs: 0Serial #:Laboratory Name:Laboratory Location:				0.30	2		
	Laboratory Na	me:	Laboratory Location:	Serial #			



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