Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1081311

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 Dorth / South Line of Sec				
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.xxxxx) (e.gxxx.xxxxx)				
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84				
Purchaser:		County:				
Designate Type of Completion:		Lease Name: Well #:				
New Well Re-Entry	Workover	Field Name:				
		Producing Formation:				
	SIOW	Elevation: Ground: Kelly Bushing:				
Gas D&A ENHR		Total Vertical Depth: Plug Back Total Depth:				
CM (Coal Bed Methane)	Temp. Abd.	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 Tota	al Depth:					
Deepening Re-perf. Conv. to ENH	IR Conv. to SWD	Drilling Fluid Management Plan				
Plug Back Conv. to GSV	V Conv. to Producer	(Data must be collected from the Reserve Pit)				
Commingled Permit #:		Chloride content: ppm Fluid volume: bbls				
v		Dewatering method used:				
		Location of fluid disposal if hauled offsite:				
		Operator Name:				
		Lease Name: License #:				
Spud Date or Date Reached TD	Completion Date or	QuarterSecTwpS. R East West				
	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 III Approved by: Date:						

	Page Two	1081311			
Operator Name:	Lease Name:	Well #:			
Sec TwpS. R East _ West	County:				
INCTRUCTIONS, Chow important tang of formations populated	Dotail all coros Roport all	final conject of drill stome tests giving interval tested, time teal			

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 Yes No (Attach Additional Sheets)			-	on (Top), Depth ar		Sample	
Samples Sent to Geological Survey				Тор	Datum		
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-	conductor, surface, inte	ermediate, producti	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	JEEZE RECORD			
Purpose: Depth Top Bottom Type of Cement # Sacks Used					Type and F	Percent Additives	

Did you perform a hydraulic	fracturing treatment	on this well?	1	Yes	No	(If No, skip questions 2 and 3)
Plug Off Zone						
Protect Casing						
Perforate	Top Bottom	51				<i></i>

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

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

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, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R		No	
Date of First, Resumed	l Producti	ion, SWD or ENHF	ł.	Producing Method	:] Pump	oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas Mo	f	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD OF COMPLETION:			PRODUCTION IN	TERVAL:			
Vented Solo	d 🗌 l	Used on Lease		Open Hole	Perf.	(Submit A	Comp. 1 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACO)-18.)		Other (Specify)						

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 3-36
Doc ID	1081311

Tops

Name	Тор	Datum
Heebner	3684	-982
Lansing	3722	-1020
Stark Sh	3981	-1279
Hushpuckney	4016	-1314
Base KC	4059	-1357
Marmaton	4111	-1409
Pawnee	4182	-1480
Ft. Scott	4214	-1512
Cherokee Sh	4231	-1529
Johnson	4302	-1600
Morrow	4332	-1630
Basal Penn	4345	-1643
Mississippian	4380	-1678
Spergen	4520	-1818



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Sam Brownback, Governor

August 14, 2012

Jay Schweikert Lario Oil & Gas Company 301 S MARKET ST WICHITA, KS 67202-3805

Re: ACO1 API 15-109-21090-00-00 Krebs Credit Shelter 3-36 SE/4 Sec.36-14S-32W Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Jay Schweikert

Oil Well Serv		Vell Services, LLC 970 x 4346	MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012		
INVOICE			Invoice #		
Invoice Date: 05/09		n/30		ige 1	
LARIO OIL & GAS P.O. BOX 1093 GARDEN CITY KS (316)265-5611	637846	KREBS CREDIT 34448 20-14-32 05-07-2012 KS	<u>SHELTER 3-36</u> AFG 12 -124 5-11-12 した		
			= = = = = = = = = = = = = = = = = = =		
Part Number 1104S 1102 1118B	Description CLASS "A" CEMENT (SALE) CALCIUM CHLORIDE (50#) PREMIUM GEL / BENTONITE	160.00 450.00		Total 2824.00 400.50 75.00	
Sublet Performed 9999-130 9999-130	Description CASH DISCOUNT CASH DISCOUNT			Total -494.93 -239.25	
Description 399 CEMENT PUMP (S 399 EQUIPMENT MILE 460 MIN. BULK DELI	AGE (ONE WAY)	Hours 1.00 10.00 1.00	Unit Price 1135.00 5.00 410.00	Total 1135.00 50.00 410.00	

XC MAY 9 A HE

Amount Due 5151.86 if paid after 06/08/2012

						======	
Parts:	3299.50	Freight:	.00	Tax:	218.76	AR	4379.08
Labor:	.00	Misc:	.00	Total:	4379.08		
Sublt:	-734.18	Supplies:	.00	Change:	.00		

Signed

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664

Ponca CITY, OK 580/762-2303

OAKLEY, KS 785/672-2227

OTTAWA, KS 785/242-4044

Date

THAYER, KS 620/839-5269

GILLETTE, WY 307/686-4914

CONSOLIDATE	J
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TICKET NUMBER	344	<u>148</u>
LOCATION Oak	ev.	KS
FOREMAN Kelly	169	be

4448

OII Well Services, LLC

nuto KS 66720

FIELD TICKET & TREATMENT REPO	DRT	Γ.
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•	or 800-467-8676			CEMEN	· · · · · · · · · · · · · · · · · · ·	Credit Shel		KS
DATE	CUSTOMER #		NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
5-7-12	4793	Krebs Cr	editshe	+eruni+	-20-36	145	32^{ω}	Lagon
CUSTOMER	ario o			Oakley	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			1225	399	DamonM			
				Einto	4160	Thomas B		
CITY		STATE	ZIP CODE	1		-		
								•
JOB TYPE 5	unface	HOLE SIZE	274	_ HOLE DEPTH	230'	CASING SIZE & W	/EIGHT <u>87</u> 8	F 24#
CASING DEPTH		DRILL PIPE		_TUBING			OTHER	
SLURRY WEIGH		SLURRY VOL_		WATER gal/s	k	CEMENT LEFT in	CASING 20	
DISPLACEMENT / 4 bb) DISPLACEMENT PSI			MIX PSI		RATE			
DENADVE:	Paul I III and	-1 199. 0100	edup or	n valdr	illing #4,1	hooked 4	Dtocin	culate.
Mixed 1	<u>bo sks c</u>	an <u>3% c</u>	<u>c 220 gr</u>	1, dist	placed w	(+1) 1910	bl wate	or, shut ir
Washed	out pump.	salines,						
	· · ·	1						

Coment did Circulate

102508	21001 topit		-	
	<u></u>		Thank	alou
			Hank Rolly & d	reu-
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	}	PUMP CHARGE	113500	113500
52106	10	MILEAGE	5.00	5000
11045	1605K3	Class A Cement	1765	2824
1102	450#	calcium chloride	- 89	210050
11188	4/50# 300#	Bentonite	,25	40050
5407	7.52	Ton milegge delivery	167	41000
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	\cap	N	SALES TAX	218.76
Tavin 3737 つくつんで) 人 ハ `	V M V	11, 249542	ESTIMATED	4379.08
つら30でM)	Lorra Million	AURI TITLE	DATE 5-7	

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.

CONSOLIDAT Oil Well Services	Concolidated Oil W	ell Services, LLC 970 4346	620/431-9210 •	MAIN OFFICE P.O. Box 884 inute, KS 66720 1-800/467-8676 x 620/431-0012
INVOICE			Invoice #	250079
Invoice Date: 05/24/202	12 Terms: 15/15/30,1			age 1
		, an ba ar ar an an ar ar ar ar ar an ar	*** *** ** ** *** *** *** *** ***	
LARIO OIL & GAS P.O. BOX 1093 GARDEN CITY KS 637 (316)265-5611		<u>KREBS CREDIT</u> 34494 36-14-32 05-22-2012 KS	SHELTER 3-36 Dr. 11,29 AFA 5-27-12 LK	512-124
				:
1126 OII 1131 60, 1118B PRI 1110A KOI 1107 FLO 1144G MUI 4253 TYI 4454 5 4227 INS 4104 CEI Sublet Performed Des 9999-130 CAS	(ONE WAY)	175.00 425.00 2928.00 875.00 106.00 500.00 1.00 1.00 1.00 9.00	1760.0000 567.0000 4700.0000 276.0000	3946.25 6417.50 732.00 490.00 298.92 500.00 1760.00 567.00 4700.00
Parts: 20209.67 Freig Labor: .00 Misc Sublt: -3558.34 Supp	ght: .00 Tax: : .00 Tota lies: .00 Char	al: 21503.: nge: .	======================================	5/23/2012 21503.86
Signed			Date	
	Eureka, Ks Ponca city, Ok Oaki ;20/583-7664 580/762-2303 785/6	.EY, KS OTTAWA, KS 22-2227 785/242-4044	THAYER, KS 620/839-5269	GILLETTE, WY 307/686-4914

TICKET NUMBER 34494

CONSOLIDATED OII Wall Bervisses, LLC

LOCATION ONHOW

FOREMAN Tuzzy

PO Box 884, (Chai	nute, H	S	66720
520-431-9210	or	800-46	57-	8676

FIELD TICKET & TREATMENT REPORT

520-431-9210 (or 800-467-867	6		CEMEN	T			KS
DATE	CUSTOMER #	WEI	L NAME & NUME	3ER	SECTION	TOWNSHIP	RANGE	COUNTY
5-22-12	4793	KrobsCirc	lit Shatter	UNH 336	36	145	3200	LOSAN
CUSTOMER								
hario	0:14G.	15		OPRICA	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRE	ISS			S-BLUNE	463	Com D		
P.O. /	Box,	1093		Endge 1/4,2	439	JoshG	Caly R	
	_	STATE	ZIP CODE		528	wes I		
Garden	City	KS	62846	6-2	7-12-7			· · · · · · · · · · · · · · · · · · ·
JOB TYPE	staçe	HOLE SIZE		HOLE DEPTH		CASING SIZE & V	VEIGHT	7
CASING DEPTH		DRILL PIPE	·				OTHER	
SLURRY WEIGH	Τ	SLURRY VOL_		WATER gal/sl	k	CEMENT LEFT In	CASING	
DISPLACEMENT		DISPLACEMEN	IT PSI	MIX PSI		RATE	,	,
REMARKS: 5	a Soly me	dung of	1241 #4	Ricu	D terrer	state 11/2	has. S.	4
Prockets	3. 4 n' 900	+ Aung	5584LW	ut ite, 50	DOAL MUS	d Flugh, S	BALWAY	-\$.
Mir 175	SSPS OW	e u/5#	Kolsmil	. which	punjand	ines Drog	s alve an	1 disslare
55 BALL	WARE 5	(BAL MU	d . 700	き う つよ	1300# LA	nd float	held. D	NON BU
Bomb un	HIS MIL	, and o	Den Lool	@ 1000	5 Crecula	te 3 her	, PUMA S	BAL
warder	M: + 309	es AM	20sts r	nH. W	N-+ 3755	45 60/40	8 moel "	14+ Closed
down 512 casing. Wash pump + lines. Drop plug and displace 5112 BBL								
water	700# Li	f4 clos	0 00 700	10 15	00t Com	ont did	esteula	
	30 BBL						5 1024	
• •	· · · · ·	4						

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54016		PUMP CHARGE	30200	302000
5406	61	MILEAGE	5 22	5000
5407A	26.540N	Ton Milrago Dolivory	167	44260
1126	175545	owc	2255	394625
1131	425545	60/40 pos	1510	6417 50
1118 B	2928	Bundowite	.25	73200
LUCA	875 [#]	Kolseal		49000
1107	106	10-5 eal	1.56	29893
11446	500541	mod Flugh	100	50000
4253	L	512- PACKAR Shoe	176000	1760=
4454		512- Latchdown Assy (W)	567 20	567 00
4227	1	51/2- DU Tool (W)	4700000	470000
4104	L	5"2. BASKet (W)	276 000	27600
4130	9	5112- C-ntinitizites	15800	522 20
		SUSTAT		2 3 722.22
		143.20		3558.34
				20163.93
	ALE IS INT			
Ravin 3737	HrE-12-124	<u> </u>	SALES TAX	1.339.93
	A L'IM	15019	ESTIMATED TOTAL	21503.86
AUTHORIZTION	Juck Nº4	TITLE Journach	DATE 5/2	

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

Consolidated oil well services

Friday, December 02, 2011 8:15 AM

Cement Bid For: LARIO OIL AND GAS Type of Job: PROD 5 1/2"-4,600',1,100' FILL, DV@2200' Lease: KREBS CREDIT SHELTER UNIT #3-36 County: LOGAN State: KANSAS Legals- SEC 36-14S-32W

BOTTOM STAGE: 175 SKS OWC,5# KOLSEAL, .25%CFL-115, 500 GAL MUD FLUSH YIELD 1.42@13.8 PPG TOP STAGE:425 SKS 60/40 POZ,8%GEL,1/4# FLO SEAL YEID 1.89 @12.5

Pump truck- 3,020.00 10 MILES - 50.00 TOTAL= 3,070.00

5 1/2 FLOAT EQUIP

1-AFU FLOAT SHOE-413.00 9-CENTRALIZERS- 522.00

		1-BASKET- 276.00 1 LATCH DOWN - 567.00
175 SKS OWC -	3,946.25	1-DV TOOL- 4,700.00 TOTAL= 6,478.00
425 SKS 60/40	6,417.50	
2,928# GEL	732.00	
875# KOLSEAL	490.00	
106# FLO SEAL	298.92	
500 GAL MUD- FLUSH	500.00	:
26.50 TON MILEAGE	442.60	
TOTAL	12,827.27	
	PUMPTRUCK-3,070.0 MATERIAL - 12,827 FLOAT EQUIP- 6,478.	.27
	SUB TOTAL - 22,375 15% DISC - 3,356.2	J
	TOTAL = 19,018.	98

TAX INCLUDED AT INVOICING

BID BY: WALT DINKEL

LARIO KREBS CREDIT SHELTER UNIT 1-20 PROD Page 1

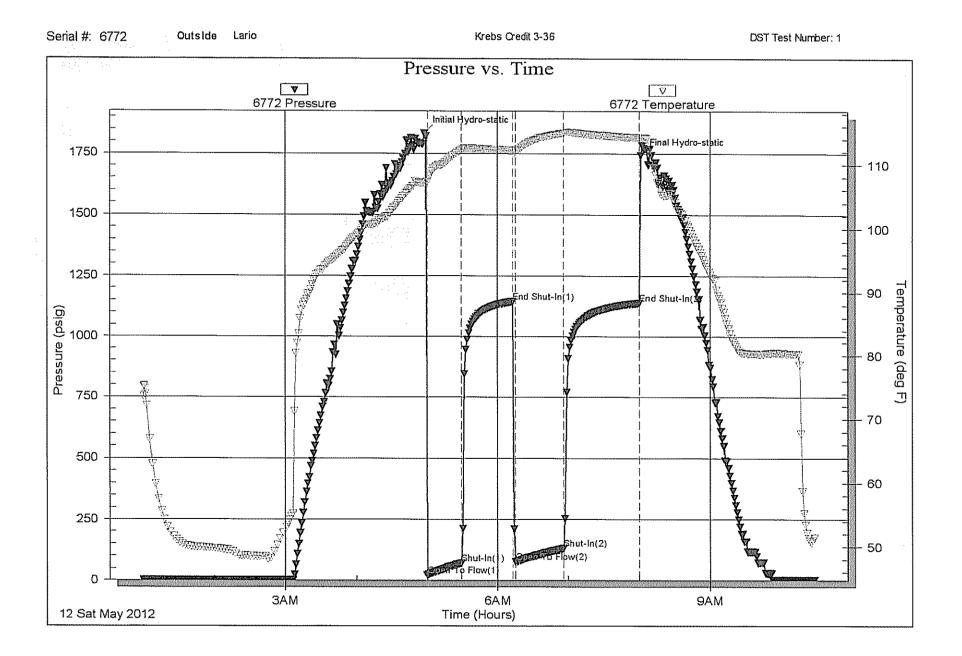
	RILOBITE	DRILL STEM TE					
正式		Lario		36	5/14/32		
	ESTING , INC.	301 S Market St. Wichita Ks. 6	57202	K	rebs Cre	dit 3-36	
				Jol	b Ticket: 4	1272	DST#:1
		ATTN: Tim		Те	st Start: 2	012.05.12 @	01:00:00
GENERAL	INFORMATION:			······			******
	B No Whipstock: pened: 05:00:00 nded: 10:28:30	ft (KB)		Te		Conventiona Harley David 58	al Bottom Hole (Initial) dson
Interval:	3746.00 ft (KB) To 37	72.00 ft (KB) (TVD)		Re	ference E	evations:	2702.00 ft (KB)
Total Depth:							2694.00 ft (CF)
Hole Diamete	er: 7.88 inchesHole	Condition: Fair			KB	to GR/CF:	8.00 ft
Serial #: Press@Runl Start Date: Start Time:		 3747.00 ft (KB) End Date: End Time: 	2012.05.12 10:28:30	Capacity Last Cal Time On Time Off	lib.: Btm	2012.05.12 (2012.05.12 (
	MENT: IF- Good building ISI- Weak blow b FF- Good building FSI- No blow bac	ack. 3 blow BOB 40min. ik.		P	RESSUE	RESUMM	ARY
	(77) (772 Pisture	ت) المتحدة المراجع الم	Time	Pressure	Temp	Annotatio	
R20		110	(Min.)	(psig)	(deg F)		
			0	1832.65	107.12	· ·	
			3	20.81 70.44	107.29 112.32	1 ·	ow(1)
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1 m			78 119	75.57		Open To Fl	
ŀ	Ť Ť			130.53		Shut-In(2)	
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0 J	אאל גער	candi ang					
	Recovery	· · · · · · · · · · · · · · · · · · ·		.	Gas	s Rates	
Langth (fl)	Description	Volurre (bbi)			Choke (ir	nches) Pressur	e (psig) Gas Rate (Mcl/d
0.00	150' GIP	0.00			• …		
93.00	100% oil	1.30					
55.00	10%oil20%w ater70%mud	0.87					
	10%oil40%mud50%w ater	1.75					
62.00 125.00	10%0140%118030%Water						
62.00							

.

	DRILL STEM TE	ST REP	ORT	· · · · · · · · · · · · · · · · · · ·		
	Lario	******	36/14	//32	· · · · · · · · · · · · · · · · · · ·	
ESTING, IN	C. 301 S Market St. Wichita Ks. 6	7202	Kreb	s Credit 3	-36	
				cket: 41272	DST	#:1
	ATTN: Tim				5.12 @ 01:00:0	
GENERAL INFORMATION:	······································				-	
Formation: B						
Deviated:NoWhipstockTime Tool Opened:05:00:00Time Test Ended:10:28:30	: ft (KB)		Test T Tester Unit No	: Harley	entional Bottom / Davidson	Hole (Initial)
Interval: 3746.00 ft (KB) To	3772.00 ft (KB) (TVD)		Refere	ence Elevatio		.00 ft (KB)
Total Depth: 3772.00 ft (KB) Hole Diameter: 7.88 inchesh	TVD) ole Condition: Fair			KB to GR/		.00 ft (CF)
					. D,	
Serial #: 8355 Inside			• "		BBC	60
Press@RunDepth: psi Start Date: 2012.05.1	a @ 3747.00 ft (KB) 2 End Date:	2012.05.12	Capacity: Last Calib.:		8000. 2012.05.	.00 psig 12
Start Time: 01:00:0		10:28:15	Time On Btr			
			Time Off Bti	m		
FSI- No blow	. Time		PRE	SSURE SI	UMMARY	
1005 Pretsus	CCC Tercerature	Time		· · · · ·	notation	
	01	(Min.)	(psig) (d	deg F)		
····						
720				:		
	- 70					
2 5 May 2012 544			. • * . •	· · · · ·		
12 Gas May 2012 Terre (He	a)					*****
Recover	/			Gas Rat	:es	
Length (fl) Description	Volume (bbl)			Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
0.00 150' GIP	0.00					
93.00 100% oil	1.30					
62.00 10%oil20%w ater70%						
125.00 10%oil40%mud50%w	ater 1.75					

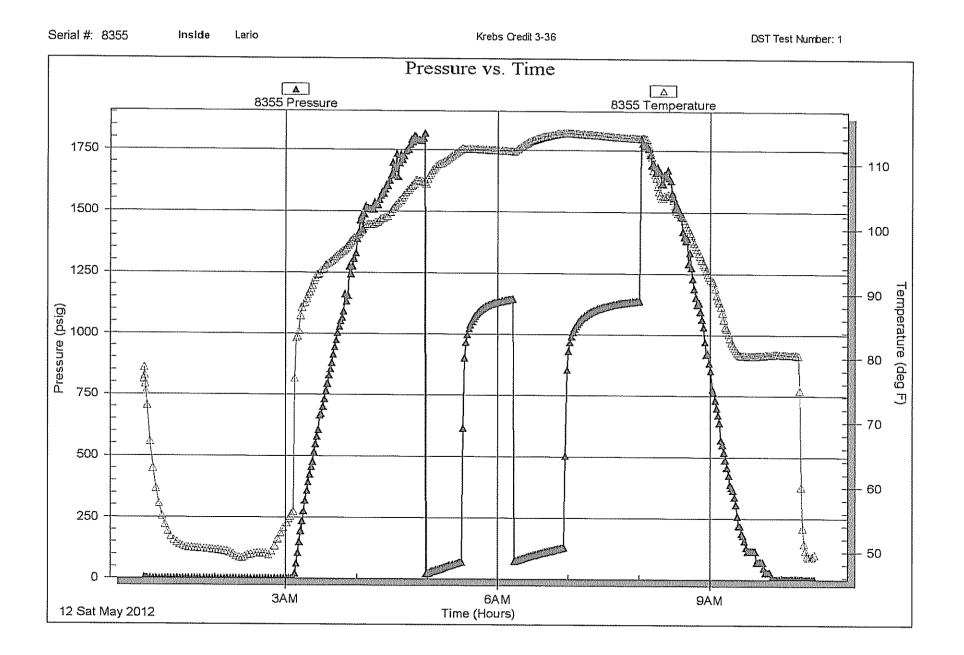
Printed: 2012.05.12 @ 11:43:48

AT IN -		DRI	LL STEM TEST REPORT	F		FLUID SUMMARY
	RILOBITE	Lario		36/14/32		
	ESTING , INC	201 6 1	Varket St. Wichita Ks. 67202	Krebs Cra	adit 3-36	
		30131	Variet St. Withita (S. 67202	Job Ticket:		DST#:1
A CAN		ATTN:	Tim	Test Start: 1	2012.05.12 @ 0	1:00:00
Mud and C	ushion Information					
Mud Type: 0	Gel Chem		Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt		Cushion Volume:	bbl		
Water Loss:	7.97 in ³		Gas Cushion Type:	:_		
Resistivity:	ohmm		Gas Cushion Pressure:	psig		
Salinity:	1900.00 ppm					
Filler Cake:	inches					
Recovery li	nformation		Recovery Table			
	Lengl	lh	Description	Volume	1	
	ft			bbl		
		0.00	150' GIP	0.00		
		93.00	100% oil	1.30		
		62.00	10%oil20%w ater70%mud	0.87		
	L	125.00	10%oil40%mud50%w aler	1.75	2]	
	Total Length:	280	.00 ft Total Volume: 3.928 bbl			
	Num Fluid Samp	les: 0	Num Gas Bombs: 0	Serial #	Ļ.	
	Laboratory Nam		Laboralory Location:			
	Recovery Com	nents: RV	V.50@45=21000 CHL. Oìl API≕ 35			



Ref. No: 41272

Frinted: 2012.05.12 @ 11:43:52



Ref. No: 41272

Printed: 2012.05.12 @ 11:43:53

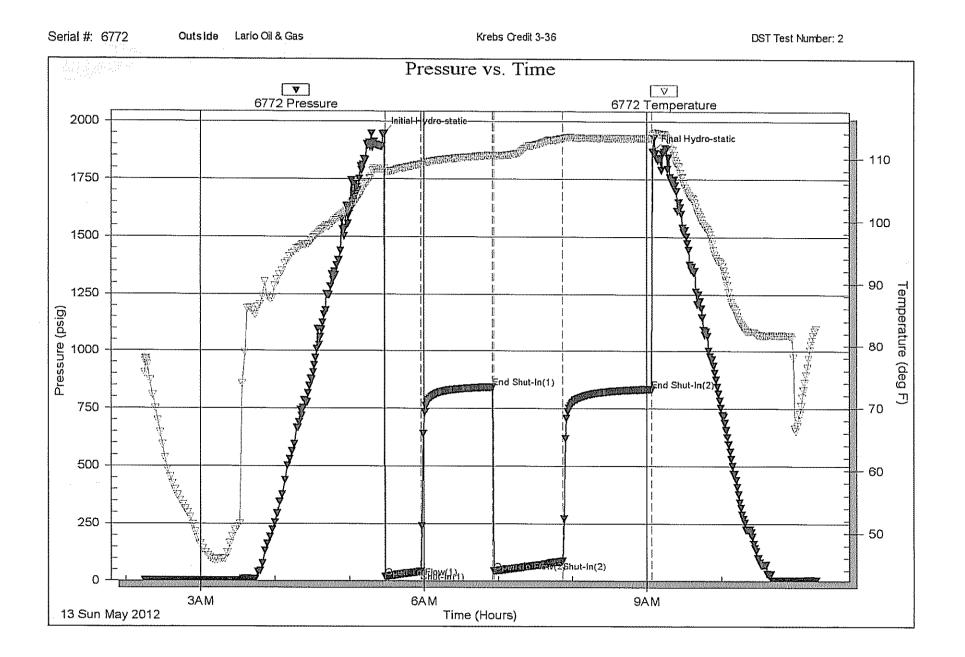
		STEM TES	ST REP	ORT				
RILOBITI		Gas	*****	36	/14/32			
ESTIN	G , <i>INC</i> . 301 S Mark	et St. Wichita Ks. 67	202	Kr	ebs Cre	dit 3-36		
				Job	Ticket: 4	1273	DST#	:2
	ATTN: Tin	n		Tes	st Start: 2	012.05.13 @	02:15:00	
GENERAL INFORMATION				****				
Formation:H IDeviated:NoWhiTime Tool Opened:05:28:15Time Test Ended:11:15:30	ostock: f	t (KB)		Tes	ster:	Conventiona Harley David 58		lole (Initial)
-	To 3950.00 ft (KB) (KB) (TVD) chesHole Condition: F			Ref	erence B	evations: to GR/CF:	2694.00	0 ft (KB) 0 ft (CF) 0 ft
Start Date: 201 Start Time: 0 TEST COMMENT: IF- Wea	83 psig @ 3880.0 2.05.13 End D 2:15:05 End T ak blow 2" into bucket.		2012.05.13 11:15:30	Capacity Last Cali Time On Time Off	ib.: Btm:	2012.05.13 (2012.05.13 (2012.05.13 (3 5
FF- We FSI- No	blow back. ak surface blow . blow back.		1			RE SUMM		
CTT2 Person	essure vs. 1006 E72 Jane] #E91	Time	Pressure	Temp			
ZIII		- 113	(Min.)	(psig)	(deg F)			
1730			0	1944.12 17.14	108.25 107.86	1 .		
			31	41.26	108.98		*** \ */	
		<u>₹</u> [89	842.74	110.49	1		
			90 146	42.38 85.83	110.34 113.12	Open To Flo Shut-In(2)	ow (∠)	
			217	831.46	113.26	End Shut-In		
	mile Parts D		218	1870.13	113.76	Final Hydro	-static	
Re	covery				Ga	s Rates		
	ription	Volume (bbl)			Choire (in	nches) Pressure	e (psig) G	ias Rete (Mct/d)
145.00 100%mud trace	of oil	2.03						
	<u></u>							
	· · · · · · · · · · · · · · · · · · ·							
Trilobite Testing, Inc	Dof N	io: 41273			Drinted	2012.05.13 (

Printed: 2012.05.13 @ 11:00:08

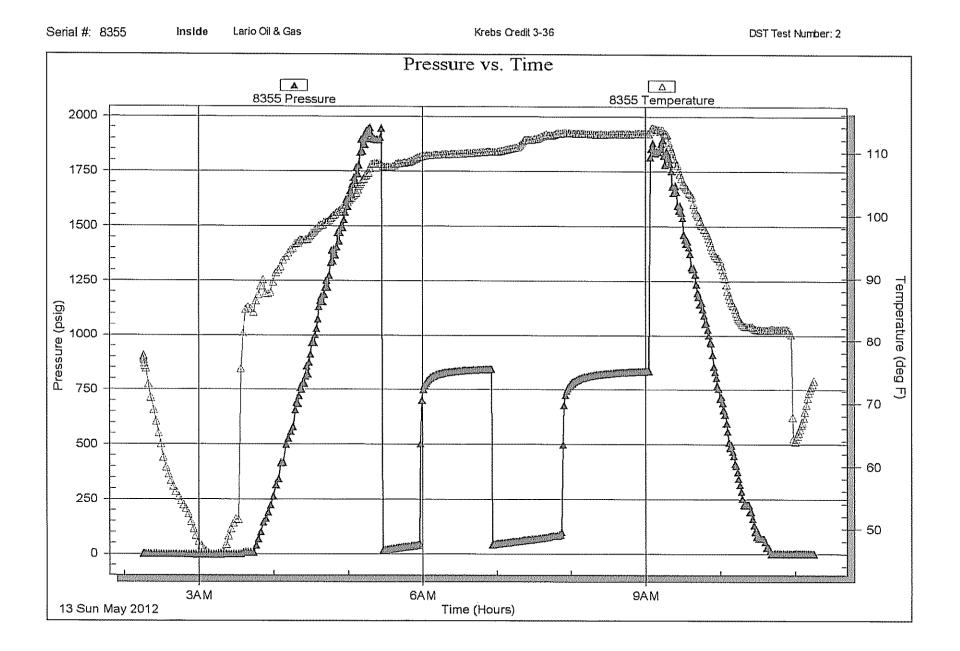
	DRILL STEM TES	ST REPO	DRT			
RILOBITE	Lario Oil & Gas		36/14	W32	ere to to topo	·
ESTING , INC.	301 S Market St. Wichita Ks. 67	202	Kreb	s Credit 3	-36	
			Job Ti	cket: 41273	DST	ſ#:2
	ATTN: Tim		Test S	itart: 2012.0	5.13 @ 02:15:0	0
GENERAL INFORMATION:	ANNESTING TO THE STOCK STREET, STOCK STOCK STREET, STOCK STOCK STREET, STOCK S	*****				
Formation:H IDeviated:NoWhipstock:Time Tool Opened:05:28:15Time Test Ended:11:15:30	ft (KB)		Test T Tester Unit No	: Harle	entional Bottom / Davidson	Hole (Initial)
Interval: 3879.00 ft (KB) To 39 Total Depth: 3950.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	/D)		Refere	ence Bevatio KB to GR	2694	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8355 Inside Press@RunDepth: psig Start Date: 2012.05.13 Start Time: 02:15:05 TEST COMMENT: IF- Weak blow 2 IF- No blow bac	End Date: End Time: " into bucket.	2012.05.13 11:14:45	Capacity: Last Calib.: Time On Btr Time Off Bt	π	8000 2012.05	.00 psig .13
FF- Weak surfac FSI- No blow bac FSI- No blow bac	ce blow . ck.	1		SSURE S		
		Time			notation	*****
Contraction of the second seco			(psig) (deg F)		
Recovery			•	Gas Ra	tes	
Length (ft) Description	Volume (bbl)			Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
145.00 100%mud trace of oil	2.03					
<u> </u>	······································				05.13 @ 11:00	

Printed: 2012.05.13 @ 11:00:09

10 Ph		DRI	LL S	TEM TEST	REPOR	Γ	*****	FLUID S	UMMARY
NEW.	RILOBITE	Lario C)il & Gas			36/14/32			
	ESTING , INC.	304 6	Markat Ci	Wichita Ks. 67202		Krebs Cre	dit 3-36		
		3015	VIAI KET ST	vvicinia ns. 07202		Job Ticket: 4		DST#:2	
		ATTN:	Tim				2012.05.13 @ 0		
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	ATIN	11111						
Mud and C	Sushion Information								
	Gel Chem			Cushion Type:			Oil API:		deg API
Mud Weight:	9.00 lb/gal			ນshion Length: ໂushion Volume:		ft bbl	Water Salinity:		ppm
Viscosity: Water Loss:	42.00 sec/qt 7.60 in³			Gas Cushion Type:		UDI			
Resistivity:	ohm.m			Gas Cushion Pressur	e:	psig			
Salinity:	2900.00 ppm					,			
Filter Cake:	inches								
Recovery I	nformation			<u> </u>			<u> </u>	<u> </u>	
			F	Recovery Table			_		
	Leng	th		Description		Volume bbl			
		145.00	100%m	ld trace of oil		2.034	ł		
-	Total Length:	145	00 ft	Total Volume:	2.034 bbl				
	Num Fluid Samp	les: 0		Num Gas Bombs:	0	Serial #	I		
	Laboratory Nan			Laboratory Location	n:				
	Recovery Com	nents:							
									ĺ
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Ref. No: 41273

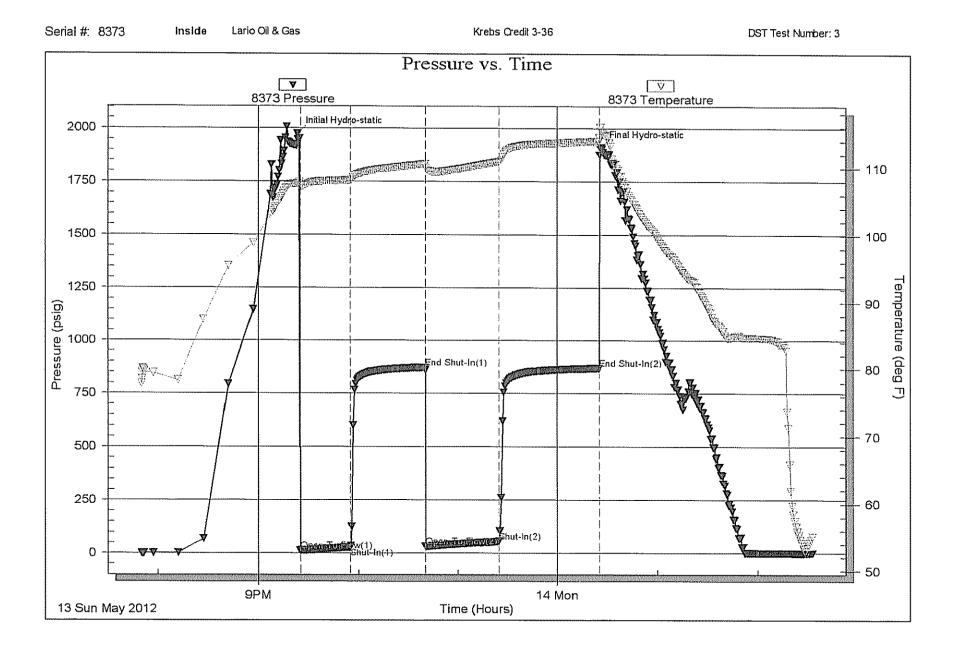


Ref. No: 41273

Printed: 2012.05.13 @ 11:00:10

DRILL STEM TES	T REPORT
RILOBITE Lario Oil & Gas	36/14/32
ESTING , INC. 301 S Market St. Wichita Ks. 672	
	Job Ticket: 46515 DST#: 3
ATTN: Tim Lauer	Test Start: 2012.05.13 @ 19:50:03
GENERAL INFORMATION:	
Formation: Lansing J Deviated: No Whipstock: ft (KB) Time Tool Opened: 21:24:58 Time Test Ended: 02:33:12	Test Type:Conventional Bottom Hole (Reset)Tester:Brandon TurleyUnit No:60
interval: 3949.00 ft (KB) To 3980.00 ft (KB) (TVD) Total Depth: 3980.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair	Reference Bevations: 2702.00 ft (KB) 2694.00 ft (CF) KB to GR/CF: 8.00 ft
Serial #: 8373 Inside	
Press@RunDepth: 56.10 psig @ 3950.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.05.13 End Date:	2012.05.14 Last Calb.: 2012.05.14 02:33:12 Time On Btm: 2012.05.13 @ 21:23:28
Start Time: 19:50:03 End Time:	Time Off Blm: 2012.05.14 @ 00:26:12
FF: Surface blow built to 3. FS: No return.	PRESSURE SUMMARY
	Time Pressure Temp Annotation
	(Min.) (psig) (deg F) 0 1973.46 107.70 Initial Hydro-static
	0 1973.46 107.70 Initial Hydro-static 2 12.53 107.10 Open To Flow (1)
	32 27.97 108.15 Shut-In(1)
	77 871.04 110.57 End Shut-In(1) 77 32.68 110.02 Open To Flow (2)
	121 56.10 110.91 Shut-in(2)
	182 858.24 114.00 End Shut-in(2)
	183 1911.45 115.46 Final Hydro-static
ן (הרוגא ביוב אוגא בי ביוב ביוב ביוב ביוב ביוב ביוב ביוב ב	
Recovery tempth (ft) Description Volume (bb)	Gas Rates Choke (inches) Pressure (psig) Gas Rate (Mc//d)
Length (ft) Description Value (bb) 93.00 mcw 70%w 30%m 1.30	
* Recovery from multiple tests Trilobite Testing, Inc Ref. No: 46515	Printed: 2012.05.14 @ 08:14:17

	DRILL STEM TEST REPORT	- FLUID SUMMARY
RILOBITE	Lario Oil & Gas	36/14/32
ESTING , INC.	301 S Market St. Wichita Ks. 67202	Krebs Credit 3-36 Job Ticket: 46515 DST#: 3
MARK .	ATTN: Tim Lauer	Test Start: 2012.05.13 @ 19:50:03
Mud and Cushion Information		
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:42.00 sec/qtWater Loss:8.98 in³Resistivity:0.00 ohm.mSalinity:3600.00 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: 44000 ppm bbl
Recovery Information		· · · · · · · · · · · · · · · · · · ·
	Recovery Table	
Leng ft		Volume bbl
	93.00 mcw 70%w 30%m	1.305
Total Length: Num Fluid Sam Laboratory Nar		Serial #.



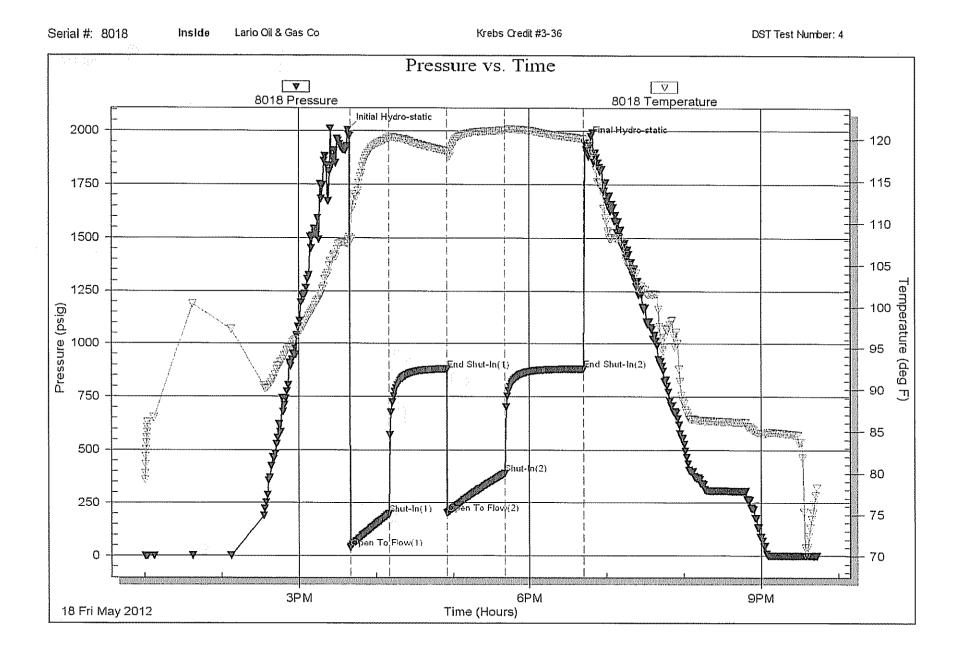
Ref. No: 46515

Printed: 2012.05.14 @ 08:14:18

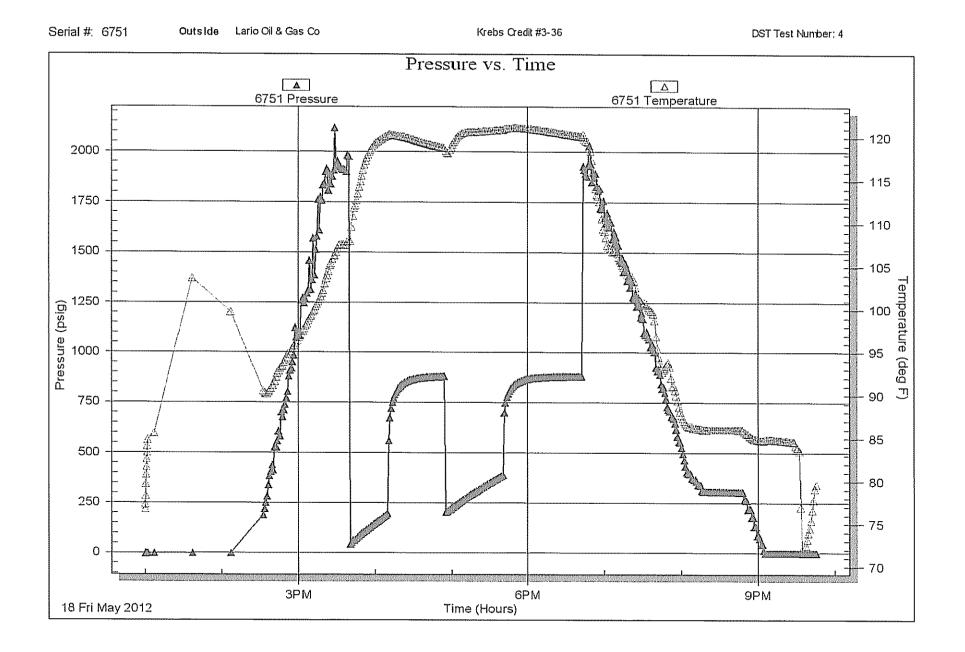
	DRILL STEM TES	ST REP	ORT				
RILOBITE	Lario Oil & Gas Co		36-	14s-32v	v Logan,K	S	
ESTING, INC	301 S Market St.		Kre	ebs Cre	dit #3-36		
	Wichita KS 67202			Ticket: 4		DST#:4	
	ATTN: Tim Lauer		Tes	t Start: 2	012.05.18 @	13:00:07	
uhædi,							
GENERAL INFORMATION:							
Formation:Lansing 'L'Deviated:NoWhipstock:Time Tool Opened:15:39:57Time Test Ended:21:43:47	ft (KB)		Test	ier:	Conventiona Chuck Smith 62		e (Reset)
Interval: 4013.00 ft (KB) To 4)45.00 ft (KB) (TVD)		Refe	erence B	evations:	2702.00	ft (KB)
Total Depth: 4045.00 ft (KB) (T	/D)					2694.00	ft (CF)
Hole Diameter: 7.88 inches Hol	e Condition: Good			KB	to GR/CF:	8.00	ft
Serial #: 8018 Inside Press@RunDepth: 389.81 psig Start Date: 2012.05.18 Start Time: 13:00:09	 4017.00 ft (KB) End Date: End Time: 	2012.05.18 21:43:47	Capacity: Last Calit Time On I Time Off	o.: Bim:	2012.05.18 (2012.05.18 (psig
TEST COMMENT: B.O.B. @ 8 min. No return. B.O.B. @ 13 min No return.	-						
Pressure vs. 7 EXI BAD Presses					RE SUMMA		
2010 Files una		Time (Min.)	Pressure (psig)	Temp (deg F)	Annotatio	n	
1720 F	- 115	, o	2003.74	107.58			
	ar 10	3	37.28 198.32	107.82 120.08		ow (1)	
			878.32	120.00		(1)	
		78	202.74	118.21	Open To Flo		
		123	389.81		Shut-In(2)	(0)	
		185 186	879.72 1944.86	120.05	End Shut-In Final Hydro		
0	- 70 - 70 - 70						
Recovery				Gas	s Rates		
Length (fi) Description	Voturne (bb)			Choke (ir	rches) Pressure	e (psig) Gas	Rale (Mcl/d)
620.00 OSMW 15m 85w	8.70						
186.00 SOCMW 1o 5m 94w	2.61	ŀ					
0.00 RW:.090 @ 78 Degrees	F = 78000 PPM 0.00						
* Recovery from multiple tests							
				Printed:			

	DRILL STEM TES	ST REPO	DRT		
RILOBITE	Lario Oil & Gas Co		36-14s-32v	w Logan,KS	egent literation
ESTING , INC.	301 S Market St. Wichita KS 67202		Krebs Cre		
			Job Ticket: 4		DST#:4
	ATTN: Tim Lauer		Test Start: 2	2012.05.18 @ 13	:00:07
GENERAL INFORMATION:					
Formation:Lansing 'L'Deviated:NoWhipstock:Time Tool Opened:15:39:57Time Test Ended:21:43:47	ft (KB)		Test Type: Tester: Unit No:	Conventional Bo Chuck Smith 62	ottom Hole (Reset)
Interval:4013.00 ft (KB) To40Total Depth:4045.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Reference E KB		2702.00 ft (KB) 2694.00 ft (CF) 8.00 ft
Serial #: 6751OutsidePress@RunDepth:psigStart Date:2012.05.18Start Time:13:00:02	 4017.00 ft (KB) End Date: End Time: 	2012.05.18 21:45:30	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 12.05.18
TEST COMMENT: B.O.B. @ 8 min. No return. B.O.B. @ 13 min. No return.					
Pressure vs. Ti				RE SUMMAR	Y
Congressed 100 100 100 100 100 100 100 10	E II	Time (Min.)	Pressure Temp (psig) (deg F)	Annotation	
Recovery		,	······	s Rates	I
Length (ft) Description 620.00 OSMW 15m 85w 186.00 SOCMW 10 5m 94w 0.00 RW:.090 @ 78 Degrees	Volume (bbl) 8.70 2.61 F = 78000 PPI/ 0.00		Chole ((inches) Pressure (p	sig) Gas Rate (Mct/d)
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 46645		Drinted	: 2012.05.19 @ (

		ILL STEM TEST REPOR	:T	F	LUID SUMMARY
RILOB		Oil & Gas Co	36-14s-32w Lo	gan,KS	
ESTI	NG , INC. 301 S	Market St.	Krebs Credit	#3-36	
		a KS 67202	Job Ticket: 46645	5	DST#:4
	ATTN	: Tim Lauer	Test Start: 2012.	05.18 @ 13:0	00:07
Mud and Cushion Info	ormation				
Mud Type: Gel Chem		Cushion Type:	Oil A		deg API
Mud Weight: 9.00 lb	+	Cushion Length:		er Salinity:	78000 ppm
Viscosity: 54.00 s Water Loss: 7.20 ir		Cushion Volume: Gas Cushion Type:	bbl		
	' hm.m	Gas Cushion Pressure:	psig		
Salinity: 4500.00 p Filter Cake: 1.00 in	pm				
Recovery Information					
		Recovery Table	·····		
	Length ft	Description	Volume bbl		
	620.00	OSMW 15m 85w	8.697		
	186.00	SOCMW 10 5m 94w	2.609		
	0.00 al Length: 806	RW:.090 @ 78 Degrees F = 78000 PPM	0.000		
Rec	overy Comments:				



Printed: 2012.05.19 @ 08:17:58

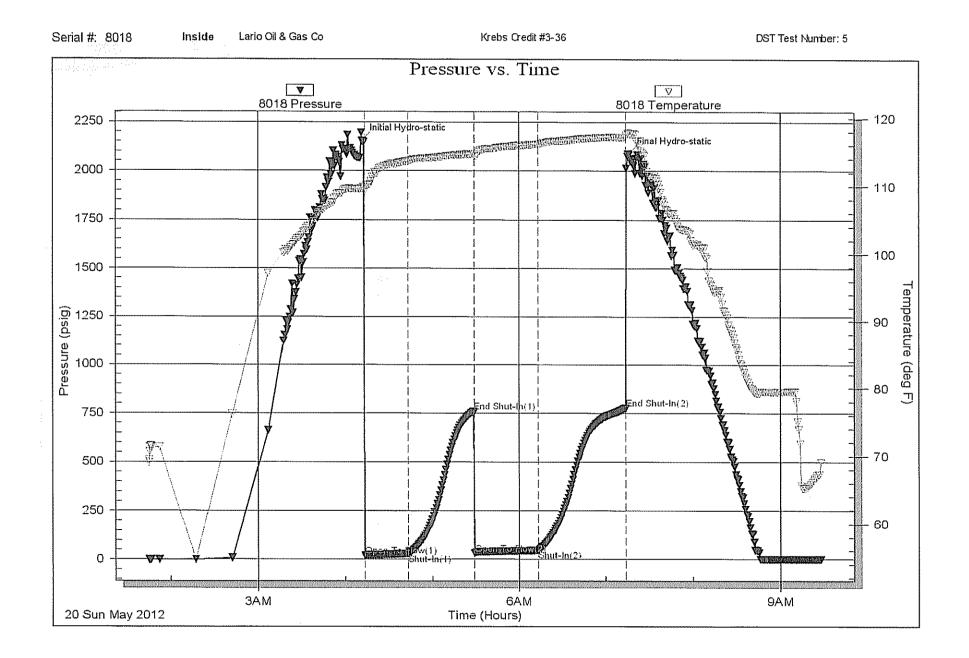


Ref. No: 46645

Printed: 2012.05.19 @ 08:17:58

BILOBITE TESTING , MC Lah O 18 Ges Co 36-14s-32w Logan, KS Lah O 18 Ges Co 301 5 Market St. Wohlar KS 67202 30-14s-32w Logan, KS ATTN: Trn Lawer Test Stat: 2012.05.20 @ 01-45:00 GENERAL INFORMATION Formation: Deviated: No Whipstock: ft (KB) Trns Tool Opened: 04:13:00 Test Stat: 2012.05.20 @ 01-45:00 Jinterval: 4280.00 ft (KB) To 430.00 ft (KB) (TVD) Test Type: Conventional Bottom Hole (Reset) Tree Test Edda: 027:50 Interval: 4280.00 ft (KB) (TVD) Reference Bevalon: 2012.05:20 Serial #: 2012.05:20 Serial #: 8018 Inside Press@RunDepti: 46:08 paig @ 4291.00 ft (KB) 2012.05:20 Capachy: 2012.05:20 B000.00 paig 2012.05:20 Start Date: 2012.05:20 End Thre: 2012.05:20 B000.00 paig 2012.05:20 The Original Bottom Hole (Reset) Trace Original Bottom Hole (Reset) Trace Original Bottom Hole (Reset) Trace Original Bottom Hole (Reset) 2012.05:20 Start Date: 2012.05:20 B000.00 paig 2012.05:20 2012.05:20 Start Thre: 2012.05:20 B000.00 paig 2012.05:20 B000.00 paig 2012.05:20 Time Original Bottom Hole (Reset) Trace Original Bottom Hole (Reset) Trace Original Bottom Hole (Reset) Trace Original Bottom Hole (Reset) Tree Ori Blan: 2012.05:20 @ 07:15:30 <tr< th=""><th></th><th>DRILL STEM TES</th><th>TREP</th><th>ORT</th><th></th><th></th><th></th><th></th></tr<>		DRILL STEM TES	TREP	ORT				
Wichlis KS 67202 ATTN: Tm Lauer Job Ticket: 46546 DST#; 5 GENERAL INFORMATION: Test Start: 2012.05.20 @ 01.45:00 Generation: Chronic e Lime - John Daviatel: No Whipstock: ft (KB) Time Tool Opened: 04:13:00 Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 04:13:00 Test Fore: Chuck Smith Interval: 4260.00 ft (KB) (TVD) Tester: Chuck Smith Tool Depmet: 436.00 ft (KB) (TVD) Tester: 2012.05.20 Start Date: 2012.05.20 End Date: 2012.05.20 Start Date: 2012.05.20 End Time: 2012.05.20 Start Time: 01:45:02 End Time: 2012.05.20 TEST COMMENT: 10° Blow. No return. No return. Bo CBR (25 min. Weak return died @ 10 min. Test Type: Control Blom 2012.05.20 @ 07:16:30 TEST COMMENT: 10° Blow. No return. No return BO.2B. @ 26 min. Weak return died @ 10 min. Test Type: Control Blom 1114.71 Done To Flow (1) <td></td> <td></td> <td></td> <td>36-1</td> <td>4s-32w</td> <td>Logan,K</td> <td>3</td> <td></td>				36-1	4s-32w	Logan,K	3	
Wichlis KS 67202 ATTN: Tm Lauer Job Ticket: 46546 DST#; 5 GENERAL INFORMATION: Test Start: 2012.05.20 @ 01.45:00 Generation: Chronic e Lime - John Daviatel: No Whipstock: ft (KB) Time Tool Opened: 04:13:00 Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 04:13:00 Test Fore: Chuck Smith Interval: 4260.00 ft (KB) (TVD) Tester: Chuck Smith Tool Depmet: 436.00 ft (KB) (TVD) Tester: 2012.05.20 Start Date: 2012.05.20 End Date: 2012.05.20 Start Date: 2012.05.20 End Time: 2012.05.20 Start Time: 01:45:02 End Time: 2012.05.20 TEST COMMENT: 10° Blow. No return. No return. Bo CBR (25 min. Weak return died @ 10 min. Test Type: Control Blom 2012.05.20 @ 07:16:30 TEST COMMENT: 10° Blow. No return. No return BO.2B. @ 26 min. Weak return died @ 10 min. Test Type: Control Blom 1114.71 Done To Flow (1) <td>ESTING, INC</td> <td>301 S Market St</td> <td></td> <td>Krel</td> <td>hs Cred</td> <td>lit #3-36</td> <td></td> <td></td>	ESTING, INC	301 S Market St		Krel	hs Cred	lit #3-36		
ATTN: Tim Lauer Test Start: 2012.05.20 @ 01.45:00 GENERAL INFORMATION: Formation: Cherokee Lime - John Evaluat: No Whipstock: ff (KB) Deviated: No Whipstock: ff (KB) Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 0413:00 Tree Test Ender: 922:50 Unit No: 62 Interval: 4260.00 ff (KB) To 4340.00 ff (KB) (TVD) Test Type: Council (KB) (TCP) Tode Depth: 436.00 ff (KB) (GB) (TVD) Reference Elevations: 2702.00 ff (KB) Serial #: 8018 Inside Rescuerce: 2012.05.20 Edd Time: 2012.05.20 Edd Time: 2012.05.20 Edd Time: 2012.05.20 @ 07.15:30 TEST COMMENT: 10° Blow. No return. B.O.B. (@ 26 min. Week return died @ 10 min. Time Of Blow PRESSURE SUMARY Tree of Blow No return. B.O.B. (@ 26 min. Time On Blow: 100.68 min. 114.71 Pon ToRew (1) 21 21 21 21 21 21 21 21							DST#: 5	5
Bywey The mean of the second sec								
Formation: Cherokee Line - John Weijstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 0413:00 Trester: Chuck Snith Unit No: 62 Interval: 4250:00 ft (KB) To 4340:00 ft (KB) (TVD) Reference Elevations: 2702:00 ft (KB) Total Depth: 7.88 inches/bite Condition: Good KB to GROCP: 8.00 ft Press@RinDepth: 46.68 psig @ 4261.00 ft (KB) 2012:05:20 End Date: 2012:05:20 2012:05:20 Tree tot Call 2012:05:20 @ 07:15:30 TEST COMMENT: 10° Blow. No return. No return. No return. No return. 2012:05:20 @ 07:15:30 TEST COMMENT: 10° Blow. No return. No return. No return. No return. No return. No return. No return. B.0. B.0 2010 min. Time of Bim 2012:05:20 @ 07:15:30 Tester coll. Time of the State of	· M/ACTI .							
Deviated: No Whipslock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 04:13:00 Time Tool Opened: 04:13:00 Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 04:13:00 4360.00 ft (KB) To 4340.00 ft (KB) (TVD) Reference Elevations: 2702.00 ft (KB) Total Depth: 4360.00 ft (KB) To 4340.00 ft (KB) (TVD) Reference Elevations: 2702.00 ft (KB) Start Date: 2012.05.20 End Date: 2012.05.20 2012.05.20 (B:tTi-10) Start Date: 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bim 2012.05.20 (B:tTi-10) Time Off Bi	GENERAL INFORMATION:							
Implementation Factore (PC) Factore (PC) Set (RE) 2694.00 ft (CF) Heil Dameter: 7.88 inchesHole Condition: Good KB to GR/CF: 8.00 ft Serial #: 8018 Inside 2012.05.20 End Date: 2012.05.20 2012.05.20 2012.05.20 Q0 4:11:10 Start Date: 2012.05.20 End Date: 2012.05.20 Q0 4:11:10 Time On Btrr. 2012.05.20 @ 07:15:30 TEST COMMENT: 10° Blow. No return. B.O.E.@ 26 min. Weak return died @ 10 min. Pressure v: Time Offer the first set (RE) Offer the first set (RE) Pressure v: Time Pressure v: Time Pressure v: Time Offer the first set (RE) Offer the first set (RE) Offer the first set (RE) Pressure v: Time Offer the first set (RE)	Deviated: No Whipstock: Time Tool Opened: 04:13:00			Teste	er: C	Chuck Smith	Bottom Hol	e (Reset)
Number Press TAB Inchestrible Condition: Good KB to GRCF: 8.00 ft Serial #: 8018 Inside Press@RunDepti: 46.68 psig @ 4281.00 ft (KB) Capacity: 8000.00 psig Start Date: 2012.05.20 End Date: 2012.05.20 Use Condition: Use Condition: 2012.05.20 Use Condition: 2012.05.20 Use Condition: Use Condition: 2012.05.20 Use Condition: Use Condition: Use Condition: Use Condition: Use Condit Condition:	Interval: 4260.00 ft (KB) To 4	340.00 ft (KB) (TVD)		Refer	rence Be	vations:		• •
Spring #: Proof Induced for Contraction Contraction Contraction Serial #: 8013 Inside Press@RunDepth: 46.68 psig @ 4281.00 ft (KB) Start Date: 2012.05.20 End Date: 2012.05.20 @ 04:11:10 Time On Bitm 2012.05.20 @ 04:11:10 Time On Bitm 2012.05.20 @ 04:11:10 Time Of Bitm 2012.05.20 @ 04:11:10 Time Of Bitm 2012.05.20 @ 07:15:30 TEST COMMENT: 10" Blow. No return. B.O.B. @ 28 min. Weak return died @ 10 min. Pressure Time (Mn.) Pressure Time (Mn.) Pressure (dig F) Initial Hydro-static 0 Pressure Time (mn.) Pressure (dig F) Time Shut-In(1) 109.68 Initial Hydro-static 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <					KB W			
Press@RunDepth: 46.68 psig @ 4261.00 ft (KB) Capacity: 8000.00 psig Start Date: 2012.05.20 End Date: 2012.05.20 Last Calib.: 2012.05.20 @ 04:11:0 Start Time: 01:45.02 End Time: 09:27:50 Time On Bitm 2012.05.20 @ 04:11:0 TEST COMMENT: 10" Blow. No return. B.O.B. @ 26 min. Weak return died @ 10 min. Pressure trum died @ 10	Hole Diameter: 7.88 inches Hol	e Condition: Good					0.00	1 L
No return. B.O.B. @ 26 min. Weak return died @ 10 min. Pressure return died @ 10 min. PRESSURE SUMMARY Time Time (min.) PRESSURE SUMMARY Mandation Open To Flow (1) 32 29.12 113.62 Subu-In(1) Open To Flow (1) 32 29.12 113.62 Subu-In(1) Time (Min.) Cas Subu-In(1) Open To Flow (1) 32 29.12 113.62 Subu-In(1) Time (Min.) Cas Subu-In(2) Time (Min.) Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan="2">Colspan= Colspan="2">Colspan= Colspan="2">Colspan= Colspa="Colspa=""2">Colspan="2">Colspan= Colspan="2"	Press@RunDepth:46.68 psigStart Date:2012.05.20	End Date:		Last Calib. Time On B	ltm 2	012.05.20 @	012.05.20 04:11:10	psig
Image: constraint of the second of	No return. B.O.B. @ 26 mir Weak return die	d @ 10 min.						
Image: Second			Time					
Length (ft) Description Volume (bbl) 62.00 GOCM 5g 100 85m 0.87 15.00 GOCM 20g 150 65m 0.21		P P P P P P P P P P P P P P P P P P P	(Min.) 0 2 32 77 78 123 183	(psig) 2153.76 19.82 29.12 759.51 30.13 46.68 776.80	(deg F) 109.68 109.15 113.62 114.71 114.37 116.16 117.27	Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(-static w (1) (1) w (2) (2)	
Length (1) Description Volume (bbl) 62.00 GOCM 5g 10o 85m 0.87 15.00 GOCM 20g 15o 65m 0.21	Recovery				Gas	Rates		
15.00 GOCM 20g 150 65m 0.21		Volume (bbl)				·····	(psig) Ga	sRate (Mct/d)
		0.87						
0.00 170 Feet GIP 0.00	15.00 GOCM 20g 15o 65m	0.21						
	0.00 170 Feet GIP	0.00						
* Recovery from multiple tests Trillabile Testing, Inc Ref. No: 46646 Printed: 2012.05.20 @ 12:21:50	* Recovery from multiple tests							n

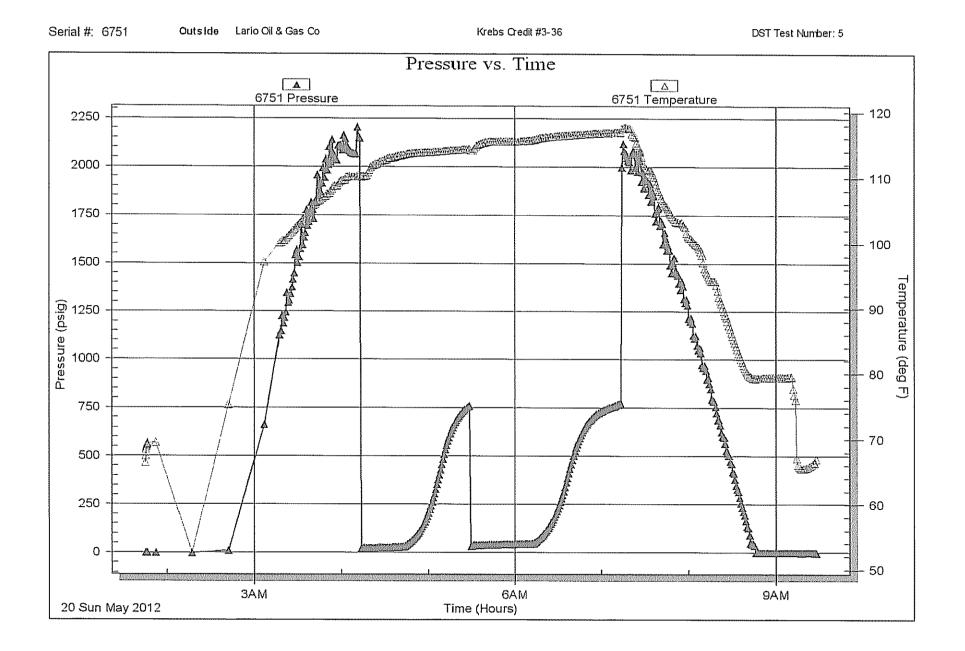
	RILOBITE	DRILL STEM TE	ST REP	ORT	• ••	÷		
	And the second se	Lario Oil & Gas Co		36	-14s-32v	/ Logan,ł	(Second of	
	ESTING , INC.	301 S Market St.		Kn	ehs Cre	dit #3-36		
	•	Wichita KS 67202			Ticket: 4		DST#:5	
		ATTN: Tim Lauer				012.05.20 @		
· h]/wct][·				F				
GENERAL	INFORMATION:						: ***	
Formation: Deviated: Time Tool Ope Time Test End		ohn ft (KB)		Tes	ster:		al Bottom Hole 1	(Reset)
Interval:	4260.00 ft (KB) To 43	40.00 ft (KB) (TVD)		Ref	erence B	evations:	2702.00	ft (KB)
Total Depth:	4340.00 ft (KB) (T						2694.00	
Hole Diameter:	: 7.88 inchesHole	e Condition: Good			KB	to GR/CF:	8.00 1	it
Serial #: 6						:		
Press@RunDe Start Date:	epth: psig 2012.05.20	@ 4261.00 ft (KB) End Date:	2012.05.20	Capacity Last Cal			8000.00 2012.05.20	psig
Start Time:	01:45:02	End Time:	09:27:50	Time On			2012.00.20	
				Time Off	Blm			
	B.O.B. @ 26 min Weak return diec Pressure vs. 1	1 @ 10 min.		P	RESSU	RE SUMM	ARY	
	CA) C721 Presure	20 191 Tarteizus	Time	Pressure	Temp	Annotati		
	يلسب الخد ا							
200				(psig)	(deg F)			
	Part of the second seco		Terperature			s Rates		
	Recovery Description		Terperature			s Rates	re (psig) Gas	Rate (Mcf/0)
1730 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 1230 12 12 12 12 12 12 12 12 12 12	Recovery Description GOCM 5g 10o 85m	Volume (bbi) 0.87	Terperature		Ga	s Rates	re (psig) Gas	Rate (Mct/d)
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1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 17 17 17 17 17 17 17 17 17 17 17 17 17 1	Recovery Description GOCM 5g 10o 85m GOCM 20g 15o 65m	Volume (bbl) 0.87 0.21	Terperature		Ga	s Rates	ra (psig) Gas	Rate (Mct/d)
1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 1730 17 17 17 17 17 17 17 17 17 17 17 17 17 1	Recovery Description GOCM 5g 10o 85m GOCM 20g 15o 65m	Volume (bbl) 0.87 0.21	Terperature		Ga	s Rates	ra (psig) Gas	Rate (Mct/d)



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	DR	ILL STEM TEST REPOR	RT.	FLUID SUMMARY
RILOBITE	Lario (Dil & Gas Co	36-14s-32w Logan,	(S
ESTING, INC	301.5	Market St.	Krebs Credit #3-36	
		a KS 67202	Job Ticket: 46646	DST#:5
	ATTN	Tim Lauer	Test Start: 2012.05.20 @) 01:45:00
Mud and Cushion Information	Į		· · · · · ·	
Mud Type: Gel Chem		Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal		Cushion Length:	ft Water Salini	ty: ppm
Viscosity: 55.00 sec/qt		Cushion Volume:	bbl	
Water Loss: 7.99 in ^a		Gas Cushion Type:		
Resistivity: ohmm		Gas Cushion Pressure:	psig	
Salinity: 4000.00 ppm Filter Cake: 1.00 inches				
Recovery Information			<u> </u>	· · · · · · · · · · · · · · · · · · ·
-		Recovery Table		
		Description	Volume bbl	
	62.00	GOCM 5g 10o 85m	0.870	
	15.00	GOCM 20g 150 65m	0.210	
	0.00	170 Feet GIP	0.000	
Total Length:	77	.00 ft Total Volume: 1.080 bb	· · · · · · · · · · · · · · · · · · ·	
Num Fluid Sam	nles: N	Num Gas Bombs: 0	Serial #	
Laboratory Nar		Laboratory Location:		
Recovery Com				
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Trilobite Testing, Inc		ef. No: 46646	Printed: 2012.05.20 (



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