

Co	nfiden	tiality	/ Requested:
	Yes	N	lo

Kansas Corporation Commission Oil & Gas Conservation Division

1176477

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:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□ NE □ NW □ SE □ SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
	Lease Name: Well #:
Designate Type of Completion:	Field Name:
New Well Re-Entry Workover	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW ☐ Temp. Abd.	
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 #:	Location of fluid disposal if hauled offsite:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Could Date out Date Decembed TD Counted from D. 1	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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



Operator Name:			Lease Name: _			Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flow and flow rates if gas t	ving and shut-in presson to surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	 Digital elec 	tronic log
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp	
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING	RECORD Ne	ew Used				
		Report all strings set-	conductor, surface, inte	ermediate, product	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 P Additiv	
		ADDITIONAL	OFMENTING / OOL					
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa		
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	ercent Additives		
Protect Casing Plug Back TD								
Plug Off Zone								
Did vou perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)	
	=	raulic fracturing treatment ex	xceed 350,000 gallons			p question 3)	,	
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth
	Сроспу Г	octago of Laon morvari of	ioratou	(>1	mount and rand or ma	teriar Good)		Борит
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN				21			
Fotimeted Day 1 2	0" -	Flowing			Other (Explain)) O" D "		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:	
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled			
	bmit ACO-18.)	Other (Specify)	(Submit)	ACO-5) (Sub	omit ACO-4)			

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottley A 4-4
Doc ID	1176477

Tops

Name	Тор	Datum
Heebner	3953	-1012
Lansing	3995	-1054
Stark Shale	4223	-1282
Hushpuckney	4260	-1319
Base KC	4292	-1351
Marmaton	4355	-1414
Pawnee	4421	-1480
Ft. Scott	4449	-1508
Johnson	4549	-1608
Morrow	4566	-1625
Mississippian	4596	-1655
Spergen	4680	-1739

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Ottley A 4-4
Doc ID	1176477

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	262	Class A	3% cc, 2% gel

CONSOLIDATED Oil Well Services, LLC

Signed

BARTLESVILLE, OK

918/338-0808

REMIT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346 MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

Date

GILLETTE, WY

307/686-4914

CUSHING, OK

918/225-2650

THAYER, KS

620/839-5269

Invoice # 265388 INVOICE Terms: 10/10/30, n/30 01/16/2014 Page Invoice Date: OTTLEY A 4-4 LARIO OIL & GAS 38199 P.O. BOX 1093 4-13-31 GARDEN CITY KS 67846 01-12-2014 (316) 265 - 5611 KS Qty Unit Price Total Description Part Number 205.00 60/40 POZ MIX 15.8600 3251.30 1131 186.03 689.00 .2700 PREMIUM GEL / BENTONITE 1118B 51.25 2.9700 152.21 1107 FLO-SEAL (25#) SODIUM CHLORIDE (GRANULA 100.00 .0000 .00 1111 1.00 100.7500 100.75 8 5/8" WOODEN PLUG 4432 Total Sublet Performed Description CEMENT MATERIAL DISCOUNT -553.54 9996-130 CEMENT EQUIPMENT DISCOUNT -239.70 9995-130 Hours Unit Price Total Description 1395.00 1395.00 399 SINGLE PUMP 1.00 10.00 5.25 52.50 399 EQUIPMENT MILEAGE (ONE WAY) 1.00 150.50 150.50 566 TON MILEAGE DELIVERY Amount Due 5579.82 if paid after 02/15/2014 .00 Tax: 247.80 AR 4742.85 3690.29 Freight: Parts: .00 Total: 4742.85 .00 Misc: Labor: .00 Change: -793.24 Supplies: Sublt:

> PONCA CITY, OK 580/762-2303

EUREKA, KS 620/583-7664

EL DORADO, KS

316/322-7022

OAKLEY, KS

785/672-8822

OTTAWA, KS

785/242-4044



265388

LOCATION Oakley

FIELD TICKET & TREATMENT REPORT

	ir 800-467-8676					NT	1 7001411101410	RANGE	COUNTY
DATE	CUSTOMER#	WELL	NAME	& NUME	BER	SECTION			
1-12-14	4793	0++10	, A	4-4		4	_ _ /3	31	fore
USTOMER		0	-	,		TRUCK	DRIVER	TRUCK#	DRIVER
IAILING ADDRE	<u>Latio</u>	0,1+0	<i></i>		1	399	Jordan		
MITTING MODINE						5lelo	Jerema		
ΤΥ		STATE	ZIP CO	DE			7		
•••									
OP TVDE F	TA	HOLE SIZE	13/A		HOLE DEP	TH	CASING SIZE 8	WEIGHT	
ASING DEPTH_		DRILL PIPE			-			OTHER	
	T 13. to 13.5	SLURRY VOL			WATER ga	t/sk		In CASING	
		DISPLACEMEN	T PSI		MIX PSI		RATE		
EMARKS: 5	Saftey ment	tion and	ு வ	» PI	uc 25	Greteres)			
	· · · · · · · · · · · · · · · · · · ·	3	đ	I	ŧ .				****
1	2485 mix	25 sks							
	1500 mix	100 5KS							
	300 mix	40 5KS							
	40 M/K	10 365	85%	8 w	soelen	Plue			
	Rathole mi	W 30 5K5				<u> </u>			
<u>,</u>	MOTORY WA	, , , , , , , , , , , , , , , , , , ,							
	Nanoic M.								<u></u>
	Post note: Mes						S		
							Dene & Co		TOTAL
ACCOUNT CODE		or UNITS		DE	SCRIPTION	Thanks	-	UNIT PRICE	TOTAL
CODE			PUMP	DE			-		1395
	QUANITY		PUMP MILEA	CHARG			-	1395 5:85	/395 52.50
5461C 5466	QUANITY	or UNITS	MILEA	CHARG GE	E	of SERVICES of	-	UNIT PRICE	1395
CODE を461C	QUANITY / /o	or UNITS	MILEA	CHARG GE		of SERVICES of	-	1395 5:45 1.75	/395 54.50 /50.50
CODE 5461C 5466 54074	QUANITY / /O 8 • 8	or UNITS	MILEA Ton	CHARG GE	erge Oc	of SERVICES of	-	1395 5:85	/375 54.50 /50.50
5461C 5466 5466 54074	QUANITY / /O 8 • 8	or UNITS	MILEA Ton 60	CHARG GE	se ege Oc pose mil	of SERVICES of	-	1395 5.85 1.75 15.84	/395 54.50 /50.50 3251.30
CODE 5461C 5466 54074 1)31 11188	/ / / / / / / / / / / / / / / / / / /	Yor UNITS	MILEA Ton 60	CHARG GE Mile	ezge Oc pozmiy	of SERVICES of	r PRODUCT	1395 5:85 1.75	/375 54.50 /50.50
5461C 5466 54674 1131 1188	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton. GC Bu	CHARGE GE Mile Mile Mobile Sca	ezge Oc pozmiy	of SERVICES of	r PRODUCT	1395 5.45 1.75 15.86 .37 4.97	1395 52.50 150.50 3251.30 186.03 152.2
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	Yor UNITS	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	r PRODUCT	1395 5.85 1.75 15.84	/395 54.50 /50.50 3251.30
5461C 5466 54674 1131 1188	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy	livery	r PRODUCT	1395 5.45 1.75 15.86 .37 4.97	1395 52.50 150.50 3251.30 186.03 152.2
5461C 5466 5466 54074 1)31 11188	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	r PRODUCT	1395 5:25 1.75 15.86 .27 2.97	1395 52.50 150.50 3251.30 186.03 152.2
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	r PRODUCT	1395 5:25 1.75 15.86 .27 2.97	/395 52.50 /50.50 3251.3 /46.03 /52.2 /00.75
5461C 5466 5466 54074 1131 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	r PRODUCT	1395 5.85 1.75 15.86 .27 2.97	/375 52.50 /50.50 3251.30 /86.03 /52.2 /00.73
5461C 5466 54674 1131 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	r PRODUCT	1395 5:25 1.75 15.86 .27 2.97 	/375 52.50 /50.50 3251.3 /86.03 /52.2 /00.75
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	PRODUCT	1395 5:25 1.75 15.86 .27 2.97 	/375 52.50 /50.50 3251.3 /86.03 /60.73 /00.73 5288. 793.2 4495.
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	Plug	PRODUCT	1395 5:25 1.75 15.86 .27 2.97 	/375 52.50 /50.50 3251.3 /86.03 /52.2 /00.75
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	livery	PRODUCT	1395 5:25 1.75 15.86 .27 2.97 	/375 52.50 /50.50 3251.3 /86.03 /60.73 /00.73 5288. 793.2 4495.
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	Plug	r PRODUCT	1395 5:25 1.75 15.86 .27 2.97 	/375 52.50 /50.50 3251.3 /86.03 /60.73 /00.73 5288. 793.2 4495.
5461C 5466 54674 1)31 1188 1107	QUANITY /0 /0 /2 /4 /4 /5	or Units	MILEA Ton GC GC Flo	CHARG GE Mile 2/40 Monit	ezge Oc pozmiy ec	Plug	PRODUCT	1395 5:25 1.75 15.86 .27 2.97 	/375 52.50 /50.50 3251.3 /86.03 /66.73 /00.73 5288. 793.2 4495.

AUTHORIZTION TITLE 100 10 11CL DATE

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

CONSOLIDATED Oil Well Services, LLC

Signed

BARTLESVILLE, OK

918/338-0808

EUREKA, KS

620/5B3-7664

EL DORADO, KS

316/322-7022

PONCA CITY, OK 580/762-2303

REMIT TO

Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

Date

GILLETTE, WY

307/686-4914

CUSHING, OK

918/225-2650

THAYER, KS

620/839-5269

OTTAWA, KS

785/242-4044

OAKLEY, KS

785/672-8822

Invoice # 265234 INVOICE Terms: 10/10/30, n/30 1 01/14/2014 Page Invoice Date: OTTLEY A 4-4 LARIO OIL & GAS 44563 P.O. BOX 1093 4-13-31 GARDEN CITY KS 67846 AFE 14-001 01-02-2014 (316) 265-5611 KS 1-16-14 Qty Unit Price Total Description Part Number 180.00 18.5500 3339.00 CLASS "A" CEMENT (SALE) 1104S 477.52 .9400 508.00 CALCIUM CHLORIDE (50#) 1102 .2700 91.26 PREMIUM GEL / BENTONITE 338.00 1118B Total Description Sublet Performed -390.78 CEMENT MATERIAL DISCOUNT 9996-130 -163.25 CEMENT EQUIPMENT DISCOUNT 9995-130 Total Hours Unit Price Description 1.00 1150.00 1150.00 399 CEMENT PUMP (SURFACE) 10.00 5.25 52.50 EQUIPMENT MILEAGE (ONE WAY) 399 430.00 1.00 430.00 460 MIN. BULK DELIVERY Amount Due 5848.99 if paid after 02/13/2014 277.84 AR 5264.09 .00 Tax: 3907.78 Freight: Parts: .00 Total: 5264.09 .00 Misc: Labor: .00 Change: -554.03 Supplies: Sublt:



265234

TICKET NUMBER 44563

LOCATION Dances

FOREMAN Dances

ORT miles 5

PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

				CEMEN	•			
DATE	CUSTOMER#	WELI	L NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
7503 9014	4793	Ott leg	A 4-4		4	//3	3	Gove
USTOMER	s oil +	U		Gove RD	TRUCK#	DRIVER	TRUCK#	DRIVER
Ario	SS O'T A			+010	399		IRUCK#	DRIVER
				He South	460	Steven 6		
YTK		STATE	ZIP CODE	1	***************************************			
0В ТҮРЕ <u>5</u> ч	ushac	HOLE SIZE	12'14	_ HOLE DEPTH	263	CASING SIZE &	WEIGHT	
ASING DEPTH	263	DRILL PIPE		_TUBING			OTHER	
		SLURRY VOL_		WATER gal/s	k6.5_	CEMENT LEFT I	n CASING <u></u>	0
ISPLACEMENT	15.5	DISPLACEMENT	T PSI	MIX PSI		RATE	• .	
EMARKS: 5	ifter malth	Ny en	South will	d Kig	-4-A-	<u> टांग्ट्यास्</u>	MIX /80	<u> 5K5 </u>
coment	so A ceme	reulate	cc 296	ge/ 7	113 p 184	15.5 BBL3	and sh	ut in
						avvs Da	w or Cl	esu
***************************************						son Da	W 7 0	
ACCOUNT !							1	
ACCOUNT	QUANITY o	or UNITS	DE	SCRIPTION of	SERVICES or F	PRODUCT	UNIT PRICE	* TOTAL
CODE	QUANITY o		DE:		SERVICES or F	PRODUCT		*
CODE 540) 5	QUANITY of				SERVICES or F	PRODUCT	//50	1150.60
CODE ダイロ) 5 バイロら			PUMP CHARG	E		PRODUCT		, r
540) o 540) o	1 10		PUMP CHARG			PRODUCT	1150	//50.60 52.56 430 °
CODE 540) 5	1 10		PUMP CHARG MILEAGE Ton wil	E	Jivery	PRODUCT	1150	1150.60 52.50 430 °° 3334.0
code 540) 5 3406 5407	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton wil	eage de	Jivery	PRODUCT	/(50 5,25 /,75	1150.60 52.50 430 € 3334.0 477.5
CODE 5401 3 8406 5407	1 1D 8.5 1808		PUMP CHARG MILEAGE Ton wil	eage de rement	Jivery	PRODUCT	//50 5,25 /,75 /8,55	1150.60 52.50 430 °° 3334.0
CODE \$401 3 \$406 5407 //045	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de rement	livery		/(50 5,25 /,75 /8,55 ,94	1150.00 52.50 430 °° 3334.0 477.5 91.26
CODE \$401 3 \$406 5407 //045	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de rement	livery	3uktotal	/(50 5,25 /,75 /8,55 ,94	1150.60 52.50 430 9 3334.0 477.5 91.26
CODE 5401 3 6406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de rement	livery		/(50 5,25 /,75 /8,55 ,94	1150.60 52.50 430 °° 3334.0 477.5 91.26
CODE 5401 3 6406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de rement	livery	3uktotal	/(50 5,25 /,75 /8,55 ,94	1150.60 52.50 430 9 3334.0 477.5 91.26 5540.25
CODE 5401 3 5406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de rement	livery	3uktotal	/(50 5,25 /,75 /8,55 ,94	1150.00 52.50 430 ° 3334.0 477.5 91.26
CODE \$401 3 5406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de a cemat a Chlor aite	livery	546-to-to-to-to-to-to-to-to-to-to-to-to-to-	1/50 5,25 1,75 18,55 .94 .27	1150.00 52.50 430 ° 3334.00 477.50 91.20 5540.20
CODE 5401 3 6406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de	livery	546-to-to-to-to-to-to-to-to-to-to-to-to-to-	/(50 5,25 /,75 /8,55 ,94	1150.00 52.50 430 ° 3334.00 477.50 91.20 5540.20
CODE 5401 3 6406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de a cemat a Chlor aite	livery	546-to-to-to-to-to-to-to-to-to-to-to-to-to-	1/50 5,25 1,75 18,55 .94 .27	1150.60 52.50 430 ° 3334.00 477.50 91.20 5540.20 554.63
CODE 5401 3 6406 5407 //045 //62	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de	livery	544-total 1050 15%	//50 5,25 /,75 /8,55 ,94 ,27	1150.00 52.50 430 9 3334.0 477.5 91.26 5540.25 554, 63
CODE 5'401 5 5'405 1'104'5 1'102 1'11'8 ~	1 1D 8.5 1805 508		PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de	livery	546-to-to-to-to-to-to-to-to-to-to-to-to-to-	//50 5,25 /,75 /8,55 ,94 ,27	1150.60 52.50 430 ° 3334.00 477.50 91.20 5540.20 554.63
CODE 5'401 5 6'406 5'407 1/045 //02 //1/2	1 1D 8.5 1805 508	i K.s.	PUMP CHARG MILEAGE Ton mil Class (Calciu	eage de	livery	544-total 1050 15%	//50 5,25 //,75 /8,55 .94 .27	1150.00 52.50 430 9 3334.0 477.5 91.26 5540.25 554, 63



Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Wichita KS 67202 Ottley A #4-4 Job Ticket: 50233

DST#: 1

ATTN: Max Armstrong

Test Start: 2014.01.07 @ 16:38:00

GENERAL INFORMATION:

Time Tool Opened: 19:03:40

Time Test Ended: 01:02:39

Formation:

LKC "D"

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Will MacLean

Unit No: 72

Reference Elevations:

2941.00 ft (KB)

2929.00 ft (CF)

Interval:

4066.00 ft (KB) To 4086.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4086.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

KB to GR/CF:

12.00 ft

Serial #: 8674

Press@RunDepth:

Start Date:

Start Time:

Inside

17.46 psig @

2014.01.07

16:38:00

4067.00 ft (KB) End Date:

End Time:

2014.01.08

Capacity: Last Calib.: 8000.00 psig

01:02:39

Time On Btm:

2014.01.08 2014.01.07 @ 19:03:25

Time Off Btm:

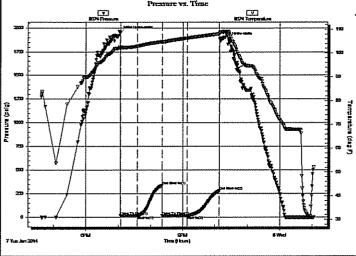
2014.01.07 @ 22:08:39

TEST COMMENT: IF- Weak Surface Blow 1/2"

ISI- No Blow

FF- Weak Surface Blow Died in 10min

FSI- No Blow



PRESSURE SUMMARY

		T I	VE330I	IE GOIVIIVIAN I
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1952.93	102.65	Initial Hydro-static
	1	15.21	101.83	Open To Flow (1)
	32	17.05	102.93	Shut-In(1)
	78	336.83	104.84	End Shut-In(1)
Tanna krekura (dan P	79	15.64	104.60	Open To Flow (2)
	125	17.46	106.38	Shut-In(2)
6	185	280.16	108.16	End Shut-in(2)
2	186	1886.17	108.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 3%oil 97%m	0.07

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 50233

Printed: 2014.01.08 @ 07:58:09



FLUID SUMMARY

Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Wichita KS 67202 Ottley A # 4-4 Job Ticket: 50233

DST#:1

ATTN: Max Armstrong

Test Start: 2014.01.07 @ 16:38:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Viscosity: Water Loss:

Mud Weight:

51.00 sec/qt 6.40 in³

ohm.m

Resistivity: Salinity: Filter Cake:

2600.00 ppm 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure: Oil API:

deg API ppm

Water Salinity:

bbl psig

ft

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 3%oil 97%m	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bb!

Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location:

s: 0

Laboratory Name:

Recovery Comments:

Serial #:

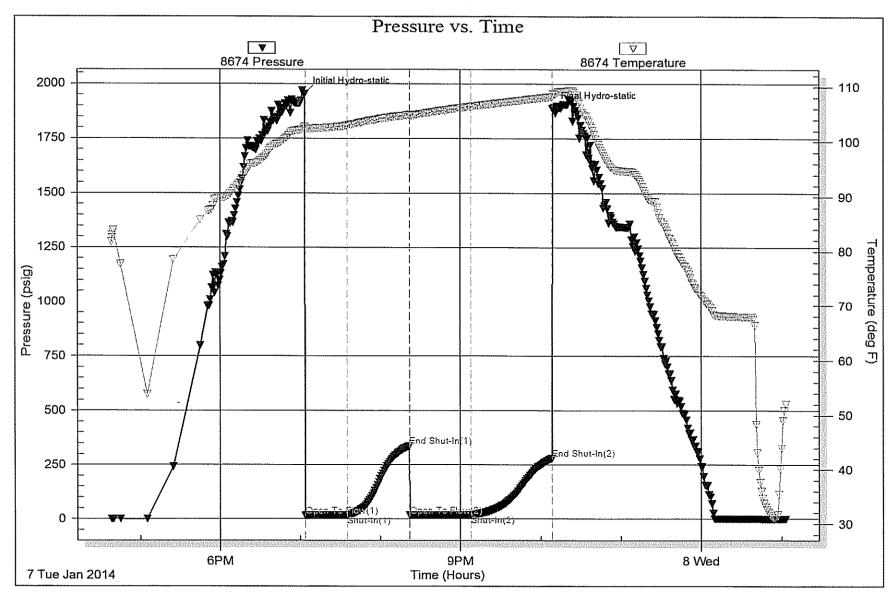
Serial #: 8674

inside

Lario Oil & Gas Co.

Ottley A #4-4

DST Test Number: 1





Lario Oil & Gas Co.

301 S. Market St. Wichita KS 67202

ATTN: Mac Armstrong

4-13s-31w Gove Co. KS

Ottley A # 4-4

Job Ticket: 50234

DST#: 2

Test Start: 2014.01.08 @ 17:40:00

GENERAL INFORMATION:

Formation:

LKC "H,I,J"

Deviated:

Whipstock: No

ft (KB)

Time Tool Opened: 19:50:10 Time Test Ended: 01:38:24

Interval:

4140.00 ft (KB) To 4234.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4086.00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester:

Will MacLean

Unit No: 72

Reference Elevations:

2941.00 ft (KB)

2929.00 ft (CF)

KB to GR/CF:

12.00 ft

Serial #: 8674

Press@RunDepth:

36.03 psig @

Inside

4141.00 ft (KB)

2014.01.09 Last Calib.:

Capacity:

8000.00 psig

Start Date: Start Time: 2014.01.08 17:40:00 End Date: End Time:

01:38:24

Time On Blm:

2014.01.09 2014.01.08 @ 19:49:55

Time Off Btm:

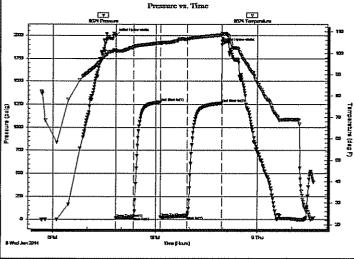
2014.01.08 @ 22:57:24

TEST COMMENT: IF- Weak Surface Blow Built to 2"

ISI- No Blow

FF- Weak Surface Blow Built to 1"

FSI- No Blow



PRESSURE SUMMARY

		PI	ベニシシリト	CE SUMMARY
•	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1998.11	101.45	Initial Hydro-static
	1	18.01	100.67	Open To Flow (1)
	32	26.80	103.03	Shut-in(1)
-1	79	1275.97	104.93	End Shut-In(1)
Temperatura (dag F)	79	26.43	104.41	Open To Flow (2)
	126	36.03	106,46	Shut-In(2)
11	187	1263,10	108.54	End Shut-In(2)
3	188	1896.87	108.86	Final Hydro-static
i				

Recovery

Length (ft)	Description	Volume (bbl)	
40.00	WCM 2%w 98%m with a Skim of Oil of	n 0.56	

Gas Rates

Choke (inches) | Pressure (psig) Gas Rate (McI/d)

Trilobite Testing, Inc.

Ref. No: 50234

Printed: 2014.01.09 @ 08:00:58



FLUID SUMMARY

Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Wichita KS 67202 Ottley A # 4-4

Job Ticket: 50234

DST#: 2

ATTN: Mac Armstrong

Test Start: 2014.01.08 @ 17:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal 54.00 sec/qt Cushion Length: Cushion Volume: Water Salinity:

ppm

Viscosity: Water Loss: 6.80 in³

Gas Cushion Type:

ft bbl

Resistivity:

ohm.m

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 3000,00 ppm 1.00 inches

Recovery Information

Recovery Table

Length Description Volume ft bbl 40.00 WCM 2%w 98%m with a Skim of Oil on To 0.561

Total Length:

40.00 ft

Total Volume:

0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

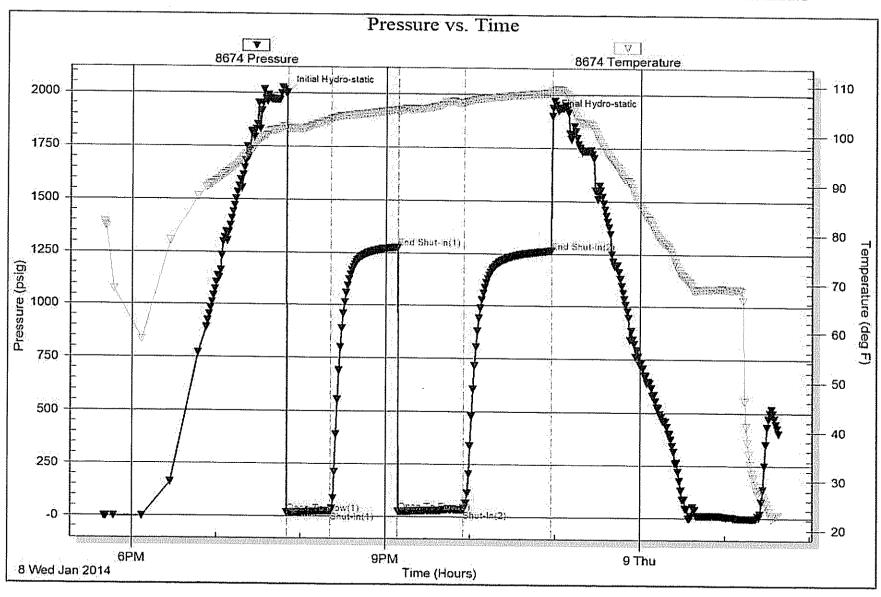
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 50234

Printed: 2014.01.09 @ 08:00:58





Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

Ottley A #4-4 301 S. Market St.

Wichita KS 67202

Job Ticket: 50235

DST#:3

ATTN: Max Armstrong

Test Start: 2014.01.09 @ 10:16:00

GENERAL INFORMATION:

Formation:

LKC "K"

Deviated:

Interval:

Whipstock: No

ft (KB)

Time Tool Opened: 12:12:40 Time Test Ended: 18:08:24

4224.00 ft (KB) To 4256.00 ft (KB) (TVD)

Total Depth:

4256.00 ft (KB) (TVD)

Hole Diameter:

7.88 inchesHole Condition: Good

Unit No:

Reference Elevations:

Conventional Bottom Hole (Reset) Test Type:

Tester:

Will MacLean

2941.00 ft (KB)

2929.00 ft (CF)

KB to GR/CF:

12.00 ft

Serial #: 8674

Press@RunDepth:

Inside

266.96 psig @

4227.00 ft (KB)

2014.01.09

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2014.01.09 10:16:00

End Date: End Time:

18:08:24

Time On Btm;

2014.01.09 2014.01.09 @ 12:12:25

Time Off Btm:

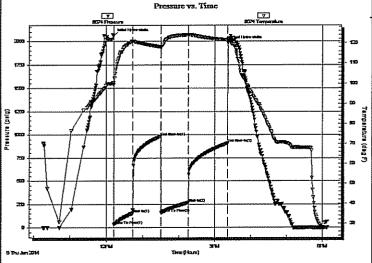
2014.01.09 @ 15:22:24

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 9 1/2min

ISI- Weak Surface Blow in 12min

FF- Weak Surface Blow Built to BOB in 19min

FSI- Weak Surface in 15min



		F1	KEOOUR	E SUMMART
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2061.06	100.48	Initial Hydro-static
	1	30.15	99.47	Open To Flow (1)
	31	154.50	120.81	Shut-In(1)
	78	982.48	118.00	End Shut-In(1)
	79	157.63	117.73	Open To Flow (2)
,	124	266.96	124.06	Shut-In(2)
	190	908.46	121.43	End Shut-In(2)
,	190	1981.38	121.82	Final Hydro-static

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MCW 6%m 94%w with a Skim of Oil of	n4.35
124.00	OMCW 1%oil 28%m 71%w	1.74
92.00	OWCM 3%oil 30%w 67%m	1.29
5.00	100%oil	0.07
Recovery from r	nuttiple tests	J

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

Trilobite Testing, Inc.

Ref. No: 50235

Printed: 2014.01.09 @ 19:39:49



Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Wichita KS 67202 Ottley A #4-4 Job Ticket: 50235

DST#:3

ATTN: Max Armstrong

Test Start: 2014.01.09 @ 10:16:00

GENERAL INFORMATION:

Time Tool Opened: 12:12:40

Time Test Ended: 18:08:24

Formation:

LKC "K"

Deviated:

Interval:

No

Whipstock:

ft (KB)

Conventional Bottom Hole (Reset)

Tester:

Will MacLean

Unit No:

72

2941.00 ft (KB)

Reference Bevations:

2929.00 ft (CF)

4256.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Good

4224.00 ft (KB) To 4256.00 ft (KB) (TVD)

KB to GR/CF:

12.00 ft

Serial #: 8355

Press@RunDepth:

Outside

psig @

4227.00 ft (KB)

2014.01.09

Capacity: Last Calib.: 8000.00 psig

Start Date:

2014.01.09

End Date: End Time:

18:09:59

Time On Btm:

2014.01.09

Start Time:

10:16:05

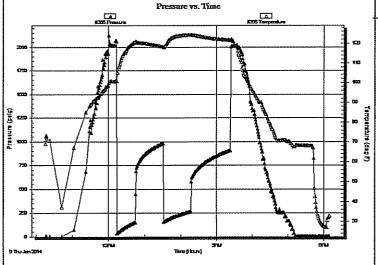
Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 9 1/2min

ISI- Weak Surface Blow in 12min

FF- Weak Surface Blow Built to BOB in 19min

FSI- Weak Surface in 15min



PRESSURE SUMMARY

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

Recovery

Length (fl)	Description	Volume (bbl)
310.00	MCW 6%m 94%w with a Skim of Oil of	n4.35
124.00	OMCW 1%oil 28%m 71%w	1.74
92.00	OWCM 3%oil 30%w 67%m	1.29
5.00	100%ail	0.07
* Recovery from r	nuttiple tests	

Gas Rates

	Choke (inches)	Pressura (psig)	Gas Rate (Mcf/d)
4			L

Trilobite Testing, Inc

Ref. No: 50235

Printed: 2014.01.09 @ 19:39:49



FLUID SUMMARY

Lario Oil & Gas Co.

301 S. Market St.

Wichita KS 67202

4-13s-31w Gove Co. KS

Ottley A # 4-4

Job Ticket: 50235

DST#:3

ATTN: Max Armstrong

Test Start: 2014.01.09 @ 10:16:00

Oil API:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: Viscosity: 7.20 in³

Water Loss: Resistivity:

Salinity: Filter Cake: 1.00 inches

9.00 lb/gal 57.00 sec/qt

ohm.m 3100.00 ppm

Cushion Length: Cushion Volume:

Gas Cushion Type:

Cushion Type:

Gas Cushion Pressure:

bbl

Serial #:

Water Salinity:

68000 ppm

37 deg API

psig

ft

Recovery Information

Recovery Table

Length ft	Description	Volume bbl	
310.00	MCW 6%m 94%w with a Skim of Oil on To	4.348	
124.00	OMCW 1%oil 28%m 71%w	1.739	
92.00	OWCM 3%oil 30%w 67%m	1.291	
5.00	100%oil	0.070	

Total Length:

531.00 ft

Total Volume:

7.448 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

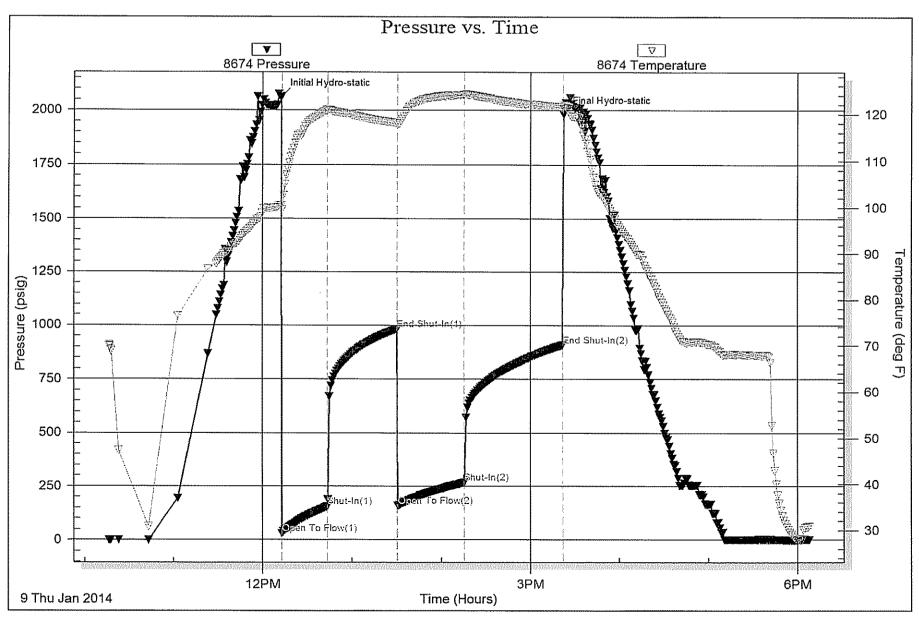
Laboratory Name: Laboratory Location:

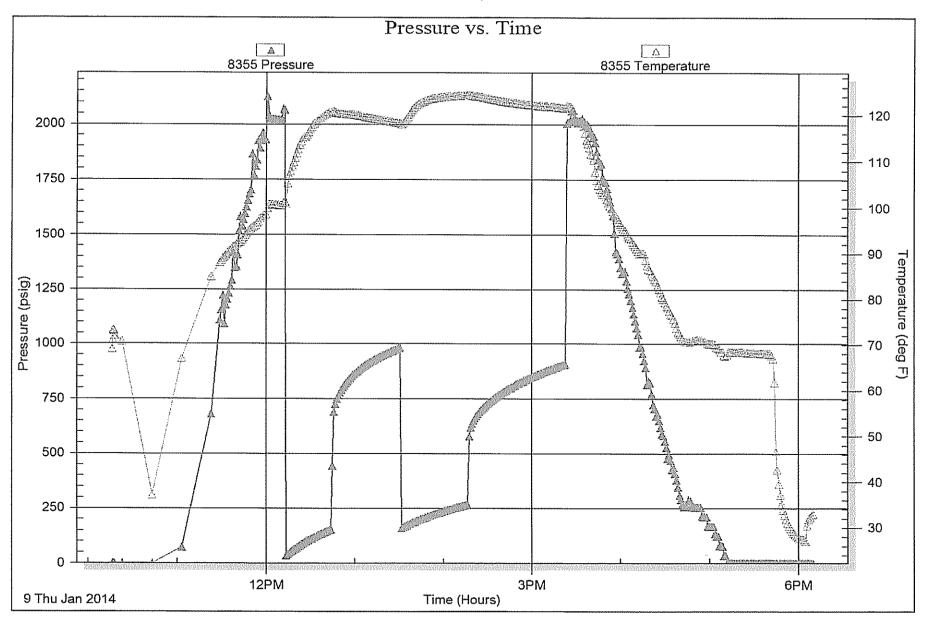
Recovery Comments: RW is .172 @ 45f = 68000 API is 34 @ 30f = 37

Trilobite Testing, Inc.

Ref. No: 50235

Printed: 2014.01.09 @ 19:39:50







Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Ottley A #4-4 Wichita KS 67202

Job Ticket: 50236

DST#: 4

Test Start: 2014.01.10 @ 22:00:00

GENERAL INFORMATION:

Time Tool Opened: 00:38:25 Time Test Ended: 06:11:24

Formation:

Johnson

No

Deviated:

Whipstock:

ft (KB)

ATTN: Max Armstrong

Test Type: Conventional Bottom Hole (Reset)

Tester:

Will MacLean

Unit No:

Reference Elevations:

2941.00 ft (KB)

2929.00 ft (CF)

KB to GR/CF:

12.00 ft

Interval:

4527.00 ft (KB) To 4571.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Serial #: 8674

Press@RunDepth:

4571.00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

Start Date:

Inside

26.67 psig @

4528.00 ft (KB)

2014.01.11

Capacity: Last Calib.: 8000.00 psig

Start Time:

2014.01.10 22:00:00

End Date: End Time:

06:11:24

Time On Blm:

2014.01.11 2014.01.11 @ 00:38:10

Time Off Btm:

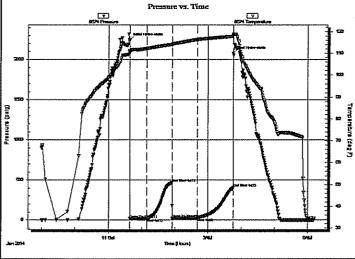
2014.01.11 @ 03:45:54

TEST COMMENT: IF- Weak Surface Blow Built to 3/4"

ISI- No Blow

FF- Weak Surface Blow Built to 1"

FSI- No Blow



PRESSURE SUMMARY

TALOOUTE OOMINATE				
•	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2244.71	111.11	Initial Hydro-static
	1	16.43	109.96	Open To Flow (1)
	31	18.02	112.22	Shut-In(1)
_ ;	77	467.57	114.06	End Shut-In(1)
í	77	18.91	113.91	Open To Flow (2)
	123	26.67	116.31	Shut-In(2)
	188	402.29	117.89	End Shut-In(2)
3	188	2079.58	118.70	Final Hydro-static
				i

Recovery

Length (fl)	Description	Valume (bbl)
30.00	WOCM 3%w 21%oil 76%m	0.42
		1
* Recovery from	mutiple tests	

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 50236

Printed: 2014.01.11 @ 10:14:48



Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Wichita KS 67202 Ottley A # 4-4 Job Ticket: 50236

DST#: 4

ATTN: Max Armstrong

Test Start: 2014.01.10 @ 22:00:00

GENERAL INFORMATION:

Time Test Ended: 06:11:24

Formation:

Johnson

Deviated:

No Whipstock: Time Tool Opened: 00:38:25

ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Reset)

Will MacLean

Unit No:

Reference Elevations:

2941.00 ft (KB)

2929.00 ft (CF)

KB to GR/CF:

Interval: Total Depth:

Hole Diameter:

4527.00 ft (KB) To 4571.00 ft (KB) (TVD)

4571.00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

12.00 ft

Serial #: 8355 Press@RunDepth: Outside

psig @

4528.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2014.01.10

End Date:

2014.01.11

Time On Btm:

2014.01,11

Start Time:

22:00:05

End Time:

06:12:59

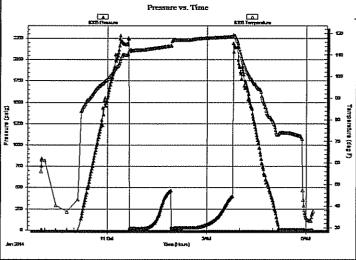
Time Off Blm:

TEST COMMENT: IF- Weak Surface Blow Built to 3/4"

ISI- No Blow

FF- Weak Surface Blow Built to 1"

FSI- No Blow



	I NEGOCIA GOIMANT							
•	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation				
7								
Tanpershire (dag P)								
9g P)								

PRESSURE SUMMARY

Recovery

e (bbl)	Volume (bi	scription	D	Length (fl)
	0.42	21%oil 76%m	WOCM 3%w	30.00

-			a thicke tacts	Recovery from m

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 50236

Printed: 2014.01.11 @ 10:14:48



FLUID SUMMARY

Lario Oil & Gas Co.

4-13s-31w Gove Co. KS

301 S. Market St. Wichita KS 67202 Ottley A # 4-4

Job Ticket: 50236

DST#:4

ATTN: Max Armstrong

Test Start: 2014.01.10 @ 22:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity: 9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

ppm

Viscosity: Water Loss: 51.00 sec/qt 9.57 in³

Gas Cushion Type:

bbl

Resistivity:

ohm.m

Gas Cushion Type:
Gas Cushion Pressure:

psig

ft

Salinity: Filter Cake: 2400.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WOCM 3%w 21%oil 76%m	0.421

Total Length:

30.00 ft

Total Volume:

0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

lociatory realie.

Recovery Comments:

Serial #: 8674

Inside

Lario Oil & Gas Co.

Ottley A #4-4

DST Test Number: 4

