Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1102965

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 # 5214
Name: Lario Oil & Gas Company
Address 1: 301 S MARKET ST
Address 2:
City: WICHITA State: KS Zip: 67202 + 3805
Contact Person: Jay Schweikert
Phone: (316) 265-5611
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Mac Armstrong
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

11/27/2012	12/09/2012	12/10/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-20920-00-00
Spot Description: 3' N & 87' W of S2
SE - SE - NE - SW Sec. 7 Twp. 18 S. R. 34 ☐ East ☑ West
1323 Feet from ☐ North / ☑ South Line of Section
2553 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: (e.g. xx.xxxxx) , Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Scott
Lease Name: Krause Well #: 1-7
Field Name:
Producing Formation: na
Elevation: Ground: 3149 Kelly Bushing: 3156
Total Vertical Depth: 5170 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 346 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 20000 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 01/07/2013
☑ **Confidential Release Date:** 01/07/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 01/08/2013

1102965

Operator Name: Lario Oil & Gas Company Lease Name: Krause Well #: 1-7

Sec. 7 Twp. 18 S. R. 34 ☐ East ☑ West County: Scott

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)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

CDL/CNL/PE
DIL
MEL

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	346	COMMON	225	3% CC, 2% GEL

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* D & A

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

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

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause 1-7
Doc ID	1102965

Tops

Name	Top	Datum
Heebner	4006	-850
Lansing	4051	-895
Stark Shale	4351	-1195
Hushpuckney	4401	-1245
Base KC	4479	-1323
Marmaton	4509	-1353
Pawnee	4598	-1442
Ft. Scott	4626	-1470
Johnson	4727	-1571
Morrow	4810	-1654
Basal Penn	4900	-1744
Mississippian	4904	-1748
St. Louis	4974	-1818
Spergen	5117	-1961

Lario Oil & Gas Company
Krause No.1-7
1323' FSL and 2553' FWL
3' N and 87' W of S2
Sec 7 T18S R34W
Scott County, Kansas

Geological Report
by

Macklin M. Armstrong, P.G.
License Number 743

Scale 1:240 Imperial

Well Name:	Krause No. 1-7		
Surface Location:	Sec 7 T18S R34W		
Bottom Location:	1323' FSL and 2553' FWL		
API:	15-171-20920		
License Number:	5214		
Spud Date:	11/26/2012	Time:	11:00 AM
Region:	Scott County, Kansas		
Drilling Completed:	12/8/2012	Time:	5:15 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	3149.00ft		
K.B. Elevation:	3156.00ft		
Logged Interval:	3500.00ft	To:	5170.00ft
Total Depth:	5170.00ft		
Formation:	Mississippi		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Lario Oil and Gas Company		
Address:	301 South Market Wichita, Kansas 67202		
Contact Geologist:	John Hastings		
Contact Phone Nbr:	316-265-5611		
Well Name:	Krause No. 1-7		
Location:	Sec 7 T18S R34W	API:	15-171-20920
Pool:	Oil	Field:	Wildcat
State:	Kansas	Country:	USA

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	101° 07' 07.684"	Latitude:	38° 30' 00.533"
N/S Co-ord:			
E/W Co-ord:			

CONTRACTOR

Contractor:	Pickrell Drilling Company		
Rig #:	10		
Rig Type:	mud rotary		
Spud Date:	11/26/2012	Time:	11:00 AM
TD Date:	12/8/2012	Time:	5:15 PM
Rig Release:	12/9/2012	Time:	3:00 AM

ELEVATIONS

K.B. Elevation:	3156.00ft	Ground Elevation:	3149.00ft
K.B. to Ground:	7.00ft		

NOTES

Date	Depth at 7 am	Activity
11-26-12	MIRU	Spud at 11 pm
11-27-12	287	Drilling
11-28-12	723	Drilling
11-29-12	1847	Drilling
11-30-12	2473	Drilling
12-01-12	3080	Drilling
12-02-12	3620	Drilling
12-03-12	4085	CFS
12-04-12	4380	CFS
12-05-12	4533	OB with DST No. 1
12-06-12	4624	OB with DST No. 2
12-07-12	4790	Drilling
12-08-12	5040	Drilling
12-09-12	5170	P & A

Surface Casing: 8 5/8" 24# at 346'
Production Casing: None set

Deviation: 350' - 3/4°, 846' - 3/4°, 1348' - 1/2°, 1847' - 1/2°, 2347' - 1/2°, 2878' - 3/4°, 4533' - 3/4°, 5170' - 3/4°

Bit Record:	Make	Size	Type	Depth In	Depth Out	Hours
	JZ	7 7/8"	HA1P	350	2058	28 1/4
	JZ	7 7/8"	HA20Q	2058	4624	95 1/2
	JZ	7 7/8"	HA30Q	4624	5170	

Drill Stem Tests:

DST No. 1 4503 to 4533 Formation: Marmaton
30-45-45-60
Recovery: 50' MCW (30%M, 70%W)
124' W (Chl 50,000 ppm)
IHP 2242 FHP 2209
IFP 21-55 FFP 59-99
ISIP 1140 FSIP 1118
Temp 124°

DST No. 2 4550 to 4624 Formation: Marmaton, Pawnee
30-45-45-60
Recovery: 154' WCM (30%W, 70%M)
248' MCW (50%M, 50%W)
748' W (Chl 50,000 ppm)
IHP 2298 FHP 2242
IFP 40-281 FFP 289-538

IFP 40-281 FFP 289-338
ISIP 1032 FSIP 1030
Temp 128°

Formation	Sample	E-Log	Datum	Well 1	Well 2
Anhydrite	2410	2410	+746	-9	-4
B/Anhydrite	2429	2429	+727	-9	-7
Stotler	3610	3610	-454	-9	-8
Topeka	3754	3754	-598	-11	-8
Heebner	4010	4010	-854	-13	-12
Toronto	4027	4027	-871	-12	-19
Lansing	4058	4058	-902	-16	-16
Muncie Creek	4247	4247	-1091	-6	-17
Stark	4348	4348	-1192	-11	-10
Hushpuckney	4405	4405	-1249	-14	-19
B/Kansas City	4466	4466	-1310	-3	-11
Marmaton	4500	4500	-1344	-6	-12
Pawnee	4595	4595	-1439	-12	-7
Fort Scott	4601	4601	-1465	-12	-11
Cherokee Shale	4635	4635	-1479	-14	-12
Lower Cher Shale	4665	4665	-1509	-18	-16
Cherokee Limestone	4721	4721	-1565	-14	-12
Morrow	4800	4800	-1644	-13	-9
Mississippi	4902	4902	-17	-	-
Saint Louis					
Spergen					
Total Depth	5170	5170	-2014		

Well 1: Lario Oil & Gas Company Gaschler Trust No. 1-20 1235' FNL and 1775' FWL Sec 20 T18S R34W
Well 2: Lario Oil & Gas Company Felt Farms No. 1-11 1500' FSL and 560' FEL Sec 11 T18S R35W

Due to the Drill Stem Tests results and the electric log calculations, it was decided to plug this test well.

Respectfully submitted,
Macklin M. Armstrong

ROCK TYPES

Lmst fw7> | shale, gry | shale, red | Sltst
shale, grn | Carbon Sh | Ss

ACCESSORIES

MINERAL
Glauconite
Nodules
Pyrite
Sandy
Mica

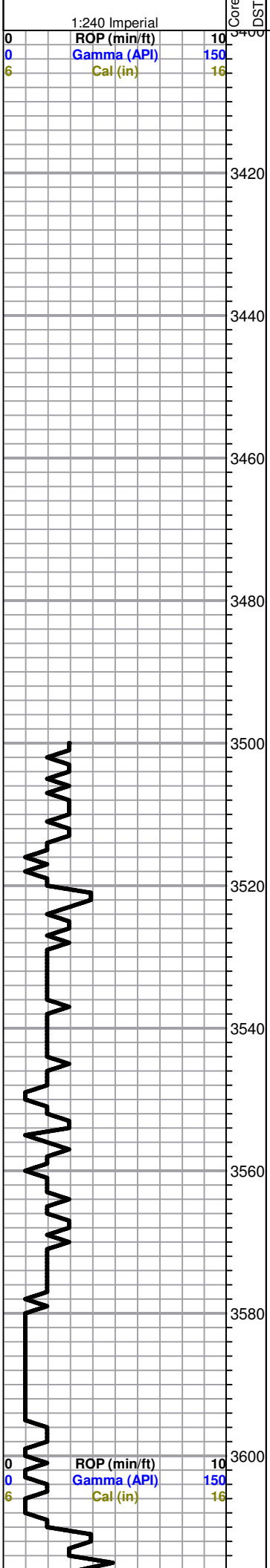
FOSSIL
Fossils < 20%
Pellets

STRINGER
Sandstone
Siltstone

OTHER SYMBOLS

DST
DST Int
DST alt
Core

Curve Track #1 ROP (min/ft) Gamma (API) Cal (in)	Depth | Intervals Interval Interval	DST	Lithology	Oil Show	Geological Descriptions	Comment



Lario Oil & Gas Company
Krause No. 1-7
1323' FSL and 2553' FWL
3' N and 87' W of S2
Sec 7 T18S R34W
Scott County, Kansas
GL 3149 KB 3156

Mud Program:
Mud Co/Service Mud, Inc.
Chemical Gel/Premix

Sample Cuttings:
KGS Well Sample Library

Testing: Trilobite Testing

Electric Logs:
Nabors Production and Completion Services
DIL
CNL/CDL
MEL

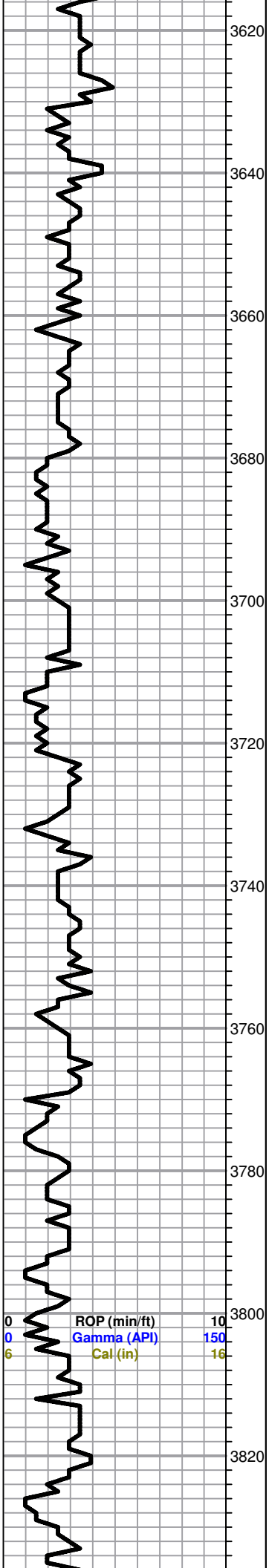
Deviation:
350' - 3/4°
846' - 3/4°
1348' - 1/2°
1847' - 1/2°
2347' - 1/2°
2878' - 3/4°
4533' - 3/4°
5170' - 3/4°

Sh-gry/dk gry

----------Stotler 3610 -454----------

Ls-gry fxln dns fos no por

All formation tops on this geo log have been correlated back to the e-log for accuracy



Ls-AA

Sh-gry/dk gry

Ls-gry fxln dns fos no por

Sh-gry/dk gry

Ls-gry fxln dns fos no por

Ls-AA

Sh-gry/dk gry

Ls-gry/tan f/mxln dns fos no por

Sh-gry/dk gry

Ls-gry/tan f/mxln dns fos no por

Sh-gry/dk gry

Ls-gry/tan f/mxln mhd fos no por

Sh-gry/dk gry

Ls-tan f/mxln mhd fos no por

Ls-AA

Ls-tan/lt gry f/mxln mhd/dns sl fos no por

Ls-AA

Sh-gry/dk gry

Ls-tan/gry f/mxln dns sl fos no por

Sh-gry/dk gry

Ls-tan/gry fxln dns sl fos no por

Ls-tan/gry f/mxln mhd/dns sl fos no por

Sh-gry/dk gry

----------Topeka 3754 -598----------

Ls-tan f/mxln mhd sl fos trc inter xln por nsfo

Ls-tan/gry f/mxln dns no por

Sh-gry/dk gry

Ls-tan/gry sm mottled dk gry and blk f/mxln mhd/dns sl fos no por

Ls-tan/gry f/mxln dns sl fos no por

Ls-gry/tan f/mxln mhd/dns no por

Ls-gry/tan f/mxln mhd sl fos trc inter xln por nsfo

Ls-gry/tan f/mxln dns sl fos no por

Ls-gry/tan f/mxln mhd sl fos trc inter xln por nsfo

Ls-tan/gry f/mxln dns sl fos no por

Sh-gry/dk gry

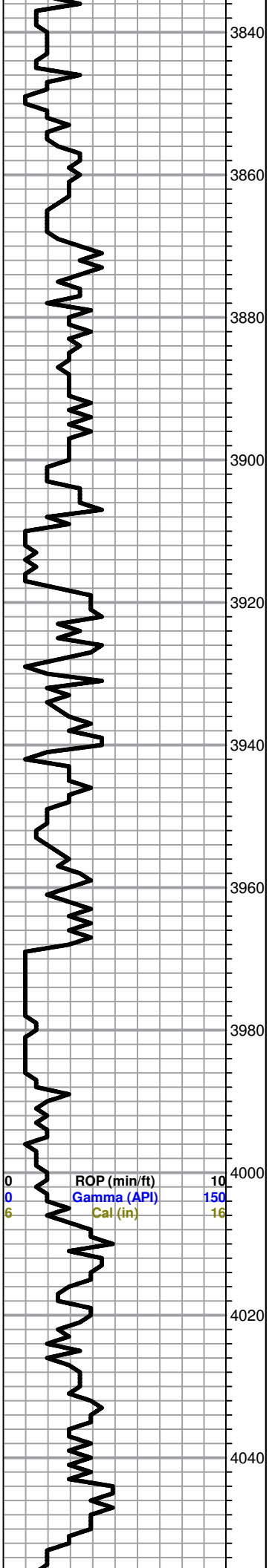
Ls-tan/gry f/mxln dns fos no por

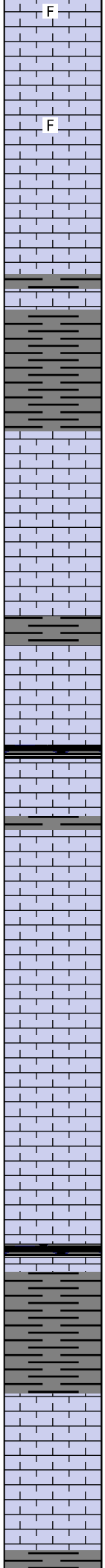
Sh-gry/dk gry

Ls-tan mxln mhd fos fr inter xln por nsfo

Ls-tan f/mxln dns sl fos no por

Mud Data at 3690'
10:30 am 12-02-12
Wt 8.8
Vis 47
WL 8
pH 10.5
Chl 6000
Sol 3.2%
YP 14
LCM 1#





Ls-tan f/mxln mhd sl fos no por sm Ls-gry/gry brn cxln mhd fos fr inter xln por nsfo

Ls-tan/gry f/mxln dns sl fos no por

Ls-tan/gry f/mxln mhd sl fos trc inter xln por nsfo

Ls-tan/gry f/mxln dns sl fos no por

Ls-tan/gry f/mxln mhd sl fos trc inter xln por nsfo

Ls-tan/gry f/mxln dns sl fos no por

Sh-gry/dk gry

Ls-tan/gry f/mxln mhd/dns sl fos no por

Sh-gry/dk gry

Sh-AA

Ls-tan/gry f/mxln mhd/dns sl fos no por

Ls-tan/gry f/mxln sl fos dns no por

Ls-crm/tan f/mxln soft/mhd sl fos fr inter xln por nsfo

Ls-crm/tan fxln dns sl fos no por

S-gry/dk gry

Ls-crm/tan f/mxln mhd sl fos no por

Ls-AA

Ls-crm/tan f/mxln dns sl fos no por

Sh-blk carb

Ls-crm/tan f/mxln dns sl fos no por

Sh-gry/dk gry

Ls-crm/tan f/mxln dns sl clky sl gils no por

Ls-AA

Ls-crm/lt tan f/mxln mhd sl fos fr inter xln por nsfo

Ls-AA

Ls-AA

Ls-crm/tan f/mxln mhd sl clky sl fos no por

Ls-AA

Ls-crm/tan f/mxln dns no por

----------Heebner 4010 -854----------

Ls-tan f/mxln dns no por

Sh-gry/dk gry

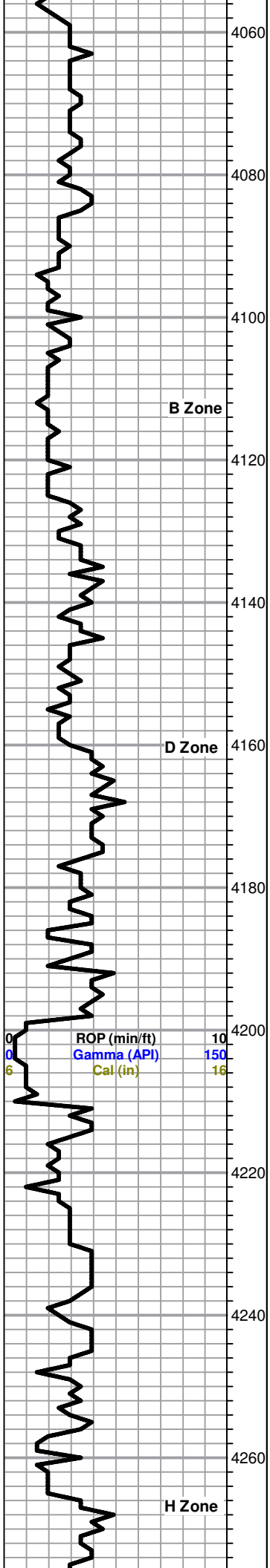
Sh-AA

----------Toronto 4027 -871----------

Ls-tan/gry fxln dns no por

Ls-tan/gry fxln dns sl gils no por sm Ls-crm fxln mhd clky no por and sm Cht-grm/gry fsh opaq

Ls-crm/lt tan fxln dns sl clky no por sm Cht-wt fsh opaq



Sh-gry/dk gry

----------Lansing 4058 -902----------

Ls-crm/lt tan fxln dns sl clky no por sm Ls-tan fxln mhd with blk ool and Ls-crm fxln mhd fos ool no por wm Cht-wt fsh opaq

Ls-AA with sm free crin and pyr

Ls-crm/lt tan fxln dns sl clky no por mostly barren with few pcs Ls-crm/tan fxln mhd fos sl ool trc inter fos/vug por dk brn spt stn sfso (3 pcs)

Ls-ctm/lt tan fxln dns sl clky no por

Sh-gry/dk gry

CFS at 4085' - 60"

Ls-crm/lt tan fxln dns sl clky no por

Sh-gry/dk gry

Ls-tan fxln dns sl clky no por mostly barren with few pcs Ls-tan fxln mhd pr vug por sl gils sl odor fsfo on brk (4 pcs)

CFS at 4115' - 45"

Ls-AA with few pcs Ls-crm fxln mhd fos ool pr inter ool por dk brn stc stn sl odor fsfo on brk (3 psc)

Mud Data at 4115'
9:00 am 12-03-12
Wt 9.2
Vis 48
WL 13.6
pH 9
Chl 9000
Sol 5.8%
YP 8
LCM trc

Ls-crm/lt tan fxln mhd sl fos sl gils no por

Ls-AA

Ls-crm/lt tan fxln mhd/dns no por sm Ls-tan fxln mhd sl gils no por

Ls-AA

Sh-blk carb
Ls-crm/tan fxln mhd/dns no por

Sh-gry/dk gry

Ls-crm/lt gry/tan fxln dns no por

Ls-crm/lt gry fxln mhd/dns no por mostly barren with few pcs Ls-tan fxln mhd/dns trc vug por dk brn/blk dead oil sct stn vssfo on brk (4 pcs)

Ls-crm/lt gry/tan fxln dns no por sm Ls-tan fxln mhd/dns fos ool no por

CFS at 4168' - 45"

Ls-tan/lt gry fxln dns no por sm Ls-tan fxln mhd/dns fos ool no por

Ls-AA

Sh-gry/dk gry

Ls-tan/lt gry fxln dns no por

Ls-tan fxln soft clky trc inter xln por nsfo

Ls-AA

Ls-tan fxln dns no por

Ls-tan/lt gry fxln mhd no por

Ls-tan fxln mhd clky no por with few pcs lt brn spt stn nsfo

Ls-tan/lt gry fxln dns no por

Ls-crm/tanlt gry fxln dns no por

Ls-crm/lt tan fxln mhd clky no por

Ls-crm/lt tan fxln dns no por

----------Muncie Creek 4247 -1091----------

Sh-blk carb

Ls-crm/tan f/mxln dns sl fos no por

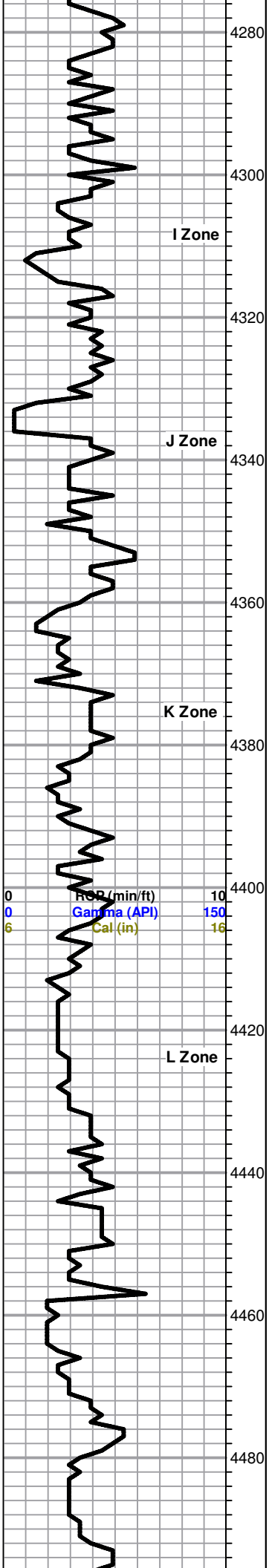
Sh-gry/dk gry

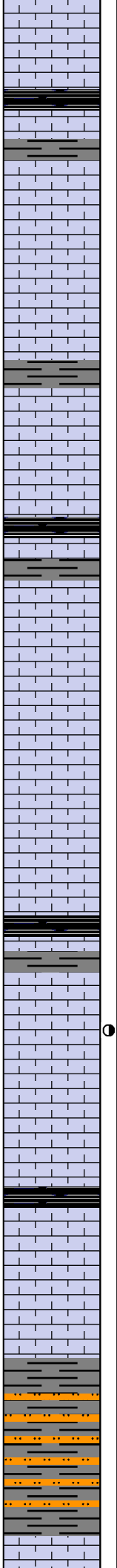
Ls-tan/gry f/mxln mhd sub clky sl fos no por

Ls-tan f/mxln dns sl fos sl clky no por sm Cht-wt/lt gry fsh opaq

Ls-crm/tan/gry fxln mhd/dns sl clky no por sm Cht-gry/wt fsh opaq

CFS at 4275' - 45"





Ls-crm/tan fxln dns no por sm Cht-AA

Ls-crm/tan fxln dns no por sm Cht-gry/wt fsh opaq

Sh-blk carb

Ls-crm/tan fxln dns sl clky no por sm Cht-gry/wt fsh opaq

Sh-gry/dk gry

Ls-tan fxln dns no por

Ls-tan f/mxln mhd sl fos no por

Ls-tan/lt gry f/mxln mhd/dns sl fos no por sm Cht-lt gry fsh opaq

Ls-tan/gry f/mxln mhd sm pcs sl fos sub clky nsfo

Ls-tan/gry f/mxln sl fos dns no por with sm Cht-gry fsh opaq

CFS at 4320' - 45"

Ls-AA with sm Ls-brn f/mxln dns fos ool no por

Sh-gry/dk gry

Ls-tan/gry/brn f/mxln dns fos with dk brn ool no por

Ls-tan/gry f/mxln mhd fos ool and oom clky nsfo

Ls-tan/lt gry/brn f/mxln dns sl clky fos oom and ool no por

Ls-AA with sm Cht-wt/lt gry fsh opaq

----------Stark 4348 -1192----------

CFS at 4350'- 45"

Sh-blk carb

Ls-tan fxln dns no por

Sh-gry/dk gry

Ls-tan/gry fxln dns sl fos no por

Ls-tan/lt gry fxln mhd fos sl ool fr ooc por nsfo

Ls-tan/lt gry fxln mhd fos sl ool and oom trc ooc por nsfo

Ls-tan fxln dns sl clky no pos

CFS at 4380' - 45"

Ls-gry/tan f/mxln mhd sl fos no por sm Ls-tan fxln mhd fos ool no por

Ls-gry/tan f/mxln dns sl fos no por

Ls-gry/tan f/mxln mhd fos no por sm Ls-tan fxln mhd fos ool no por

Ls-tan fxln dns sl fos no por

----------Hushpuckney 4405 -1244----------

Mud Data at 4401'
7:40 am 12-04-12
Wt 9.2
Vis 44
WL 8
pH 11
Chl 7000
Sol 5.9%
YP 15
LCM 3#

Ls-gry/tan fxln dns sl fos no por

Sh-gry/dk gry

Ls-tan/gry f/mxln mhd fos no por sm Ls-tan fxln mhd fos ool no por

Ls-tan/gry f/mxln mhd fos no por mostly barren with few pcs Ls-crm fxln mhd pr vug por blk to dk brn spt stn sl gils faint odor dull fluor ssfo on brk (5 to 10 pcs in 15' and 30" cir slps)

Ls-tan/gry f/mxln mhd/dns sl fos no por

Ls-crm/tan/brn f/mxln dns fos oom sl clky no por

CFS at 4336' - 45"

Ls-AA

Sh-blk carb

Ls-crm/lt tan f/mxln dns sl fos sl clky no por

Ls-crm/tan fxln mhd/dns sl fos no por

Ls-tan/lt gry f/mxln dns sl fos sl clky no por

----------B/Kansas City 4466 -1310----------

Sh-gry/dk gry/mar

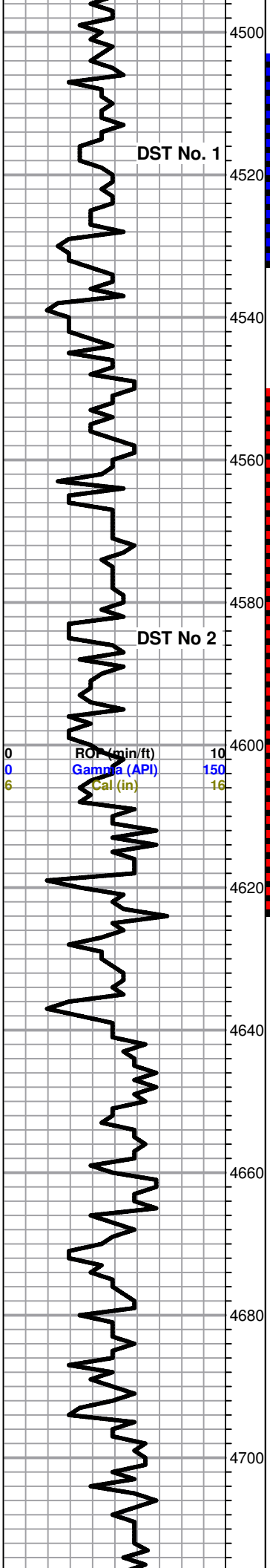
Sh-gry/dk gry/mar/blk with sm Silt-grn

Sh-AA with sm Silt-grn

Sh-gry/dk gry/blk

DST No. 1
4503 to 4533
30-45-45-60
1st Open: Built to 6"

Ls-gry/brn f/mxln dns sl fos no por sm Ls-tan fxln dns fos ool



----------Marmaton 4500 -1344----------

Ls-gry/brn cxln to sl blky dns sl to highly fos no por with few pcs Ls-lt gry fxln dns fos ool blk tarry oil stn vssfo on brk (3 pcs)

Ls-gry/brn f/mxln dns sl fos no por with few pcs Ls-brn fxln mhd sl fos pr vug por brn to blk spt stn fr cut dull fluor no odor ssfo on brk (5 pcs)

Ls-brn f/mxln dns sl fos no por

Ls-AA with few pcs Ls-tan fxln mhd trc vug por brn to blk stt stn fr cut dull flour trc odor ssfo on brk (4 pcs) and few pcs Ls-lt gry fxln mhd fos ool fr inter ool por brn spt stn fr cut dull flour very faint odor ssfo on brk (6 pcs)

Ls-tan/brn f/mxln dns sl fos no por

Ls-AA with sm Ls-lt gry fxln mhd fos ool fr inter ool por brn spt stn fr cut fr odor f/gsfo on brk (10 pcs)

Ls-tan/brn fxln mhd fos no por with sm Ls-lt gry fxln mhd fos ool inter xln por faint odor fr cut fsfo on brk (5 pcs)

Ls-tan/gry fxln dns sl fos no por

Sh-gry/dk grygrn

Ls-tan/gry fxln mhd/dns sl fos no por

Sh-gry/dk gry/grn

Ls-tan fxln dns sl fos no por

Ls-crm/tan fxln mhd/dns no por with few pcs Ls-crm/lt gry fxln mhd fos ool fr inter ool por blk to brn stn ssfo on brk (2 pcs)

Ls-tan fxln dns no por

Ls-AA with sm Ls-crm/lt gry fxln mhd fos ool fr inter ool por brn spt stn sl odor on brk gd cut gd gluor f/gsfo on brk (6 pcs)

Ls-tan fxln dns sl fos no por

Ls-AA with sm Ls crm/lt gry fxln mhd fos ool fr inter ool por brn spt stn sl odor on brk gd fluor fsfo on brk (10 pcs)

Ls-AA

Ls-crm fxln mhd fos ool gd vug/inter ool por brn to blk sct stn fr odor gd cut gd fluor gsfo on brk (more than 10 pcs)

Sh-blk carb

Ls-tan/gry/brn fxln dns no por

----------Pawnee 4595 -1439----------

La-tan/gry/brn fxln dns no por with Ls-tan/lt gry fxln mhd fos ool fr inter ool por fr cut fr fluor sl odor on brk f/gsfo on brk (more that 10 pcs)

Ls-tan/gry/brn fxln dns no sl fos no por

Ls-AA with sm Ls-lt gry fxln mhd fos ool fr vug/inter ool por fr cut fr fluor faint odor on brk fsfo on brk (5 pcs)

Ls-tan/gry fxln dns sl fos no por

Ls-crm/tan/gry fxln dns sl clky no por

Sh-blk carb

----------Fort Scott 4621 -1465----------

Ls-tan/brn/gry fxln dns sl fos no por

Ls-tan/gry f/msln dns sl fos no por with sm Ls-gry mxln dns fos with blk ool no por and Ls-lt gry fxln mhd fos sl ool pr vug por blk tarry oil stn nsfo

Ls-tan/gry f/mxln dns sl fos no por

----------Cherokee Shale 4635 -1479----------

Sh-blk carb

Ls-gry/brn f/mxln dns sl fos no por with sm Ls-gry mxln dns fos with blk ool no por

Ls-tan/gry/brn f/mxln very dns sl fos no por

Ls-gry/brn f/mxln dns no por with sm Ls-brn/gry fxln dns fos with blk and brn ool no por

Ls-gry/brn f/mxln dns sl fos no por with sm Ls-gry/brn f/mxln mhd fos ool dns no por with sm free crin and pyrite

Ls-gry/brn f/mxln dns no por sm Cht-gry fsh opaq fos ool

----------Lower Cher Sh 4665 -1509----------

Sh-blk carb

Ls-tan/brn f/mxln dns fos no por

Ls-tan f/mxln mhd sl fos sl clky no por sm Cht-brn/gry fsh opaq fos ool

Ls-tan/lt gry/brn f/mxln dns sl fos no por

Sh-gry/dk gry

Ls-tan/brn fxln dns no por

Sh-blk carb

Ls-tan/brn fxln dns no por

Sh-gry/dk gry

Sh-gry/dk gry

Sh-gry/dk gry

Ls-tan/brn f/mxln dns sl fos no por

Sh-gry/dk gry

2nd Open: Built to 4"
Recovery:
56' MCW (30%M,70%W)
124' W (Chl 50,000 ppm)
IHP 2242 FHP 2209
IFP 21-55 FFP 59-99
ISIP 1140 FSIP 1118
Temp 124°

Pipe Strap at 4533'
Long 4.18'

CFS at 4533' - 60"

Pulled 20 Stand Short Trip at 4533', then Cir for Test - 90"

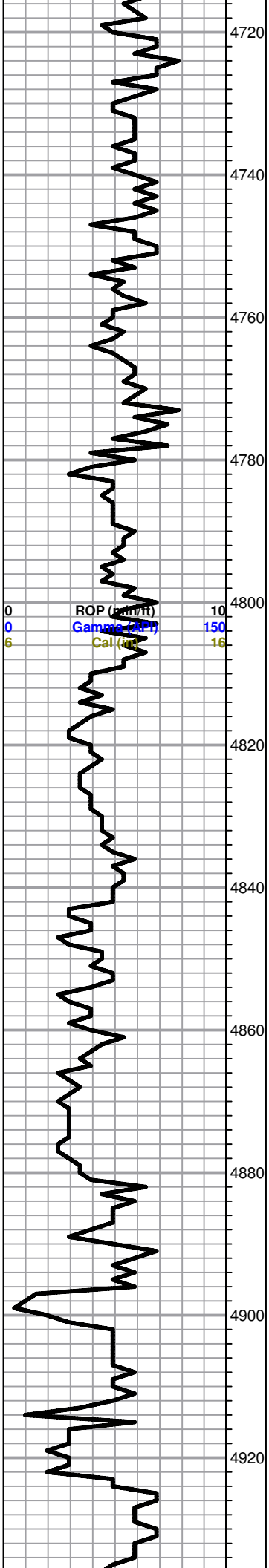
Mud Data at 4533'
8:20 am 12-05-12
Wt 9.3
Vis 57
WL 8.8
pH 10
Chl 6700
Sol 6.7%
YP 21
LCM 2#

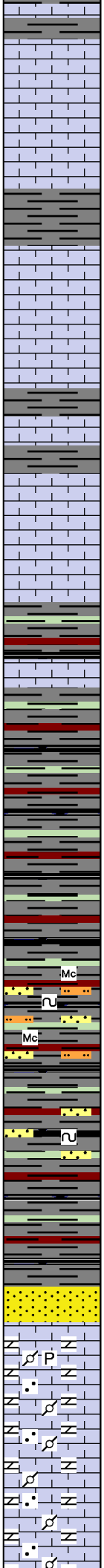
CFS at 4584' - 45"

DST No. 2
4550 to 4624
30-45-45-60
1st Open: BOB in 6"
2nd Open: BOB in 8"
Recovery:
154' WCM (30%W,70%M)
248' MCW (50%M,50%W)
748' W (Chl 50,000 ppm)
IHP 2298 FHP 2242
IFP 40-281 FFP 289-538
ISIP 1032 FSIP 1030
Temp 128°

CFS at 4624' - 60"

Mud Data at 4624'
7:05 am 12-06-12
Wt 9.4
Vis 67
WL 10.4
pH 9
Chl 9200
Sol 7.1%
YP 23
LCM 1#





----------Cherokee Ls 4721 -1565----------

Ls-tan/gry/brn fxln dns no por

Ls-AA

Ls-tan/brn/gry fxln dns no por

Sh-gry/dk gry

Ls-tan/lt gry/brn fxln dns no por

Ls-AA

Ls-tan/lt gry fxln dns sl fos no por

Sh-gry/dk gry

Ls-lt gry fxln dns sl fos no por

Sh-gry/dk gry

Ls-tan/gry/brn fxln dns no por

Ls-AA

Ls-gry f/mxln dns sl fos no por

----------Morrow 4800 -1644----------

Sh-gry/dk gry/mar blk

Ls-gry mxln to sl blky mhd sl fos no por

Sh-gry/grn/mar/blk

Sh-AA

Sh-gry/grn/mar/blk

Sh-AA

Sh-gry/grn/mar/blk

Sh-AA with sm Silt-gry mica and Ss-lt gry frgn sug ang tite cemt sl glau

Sh-gry/grn/mar/blk with sm Silt and Ss-AA

Sh-gry/grn/dk grn/mar/blk

Sh-AA with sm Ss-lt gry fgrn sub ang to ang tite cemt sl glau

Sh-gry/dk gry/dk grn/mar/sm blk

Sh-AA

Ss-lt gry fgrn sub ang to ang tite cemt and Ss-wt fgrn sub ang calc tite cemt

----------Mississippi 4902 -1746----------

Ls-wt/off wt sm tan mxln to gran or sdy with small calc nodules or pellets mhd/dns no por sm pyr

Ls-AA

Ls-wt/off wt/tan mxln to gran or sdy with small calc nodules or pellets mhd no por

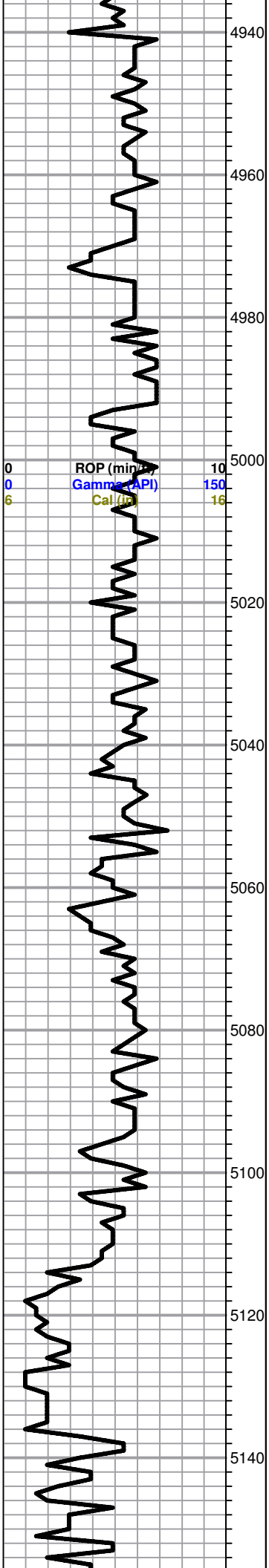
Ls-wt/off wt/tan mxln to gran or sdy with small calc nodules or pellets dns no por

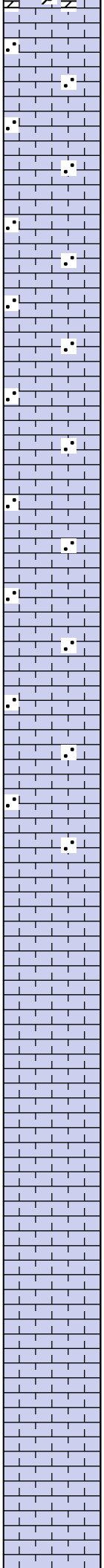
Ls-AA

Mud Data at 4806'
8:00 am 12-07-12
Wt 9.5
Vis 51
WL 10.4
pH 9
Chl 8500
Sol 7.7%
YP 19
LCM 2#

CFS at 4826' - 45"

CFS at 4908' - 45"





Ls-wt/crm fxln to mxln with sm gran mhd/dns no por

Ls-crn/tan fxln to mxln with sm sl gran dns no por

Ls-AA

Ls-crm/lt gry/tan fxln to mxln with sm sl gran dna no por

Ls-crm/lt gry/tan fxln to sl gran mhd no por

Ls-crm/tan/lt gry fxln to sl gran dns no por

Ls-AA

Ls-crm/lt gry fxln to sl gran mhd no por

Ls-crm/lt gry f/mxln sm sl gran dns no por

Ls-AA

Ls-crm/lt gry/tan f/mxln sm sl gran dns no por

Ls-AA

Ls-crm/tan/lt gry fxln to sl gran dns no por

Ls-AA

Ls-crm/tan/lt gry f/mxln to very sl gran mhd/dns no por

Ls-tan f/mxln mhd sl fos no por

Ls-tan/brn fxln dns no por

Ls-AA

Ls-tan/brn fxln dns sl dolo no por

Ls-tan/lt gry fxln dns no por

Ls-AA

Ls-tan/crm f/mxln dns no por

Ls-tan/ltgry f/mxln mhd no por

Ls-tan/lt gry f/mxln mhd trc inter xln por nsfo

Ls-tan/lt gry f/mxln mhd no por (No Dolo)

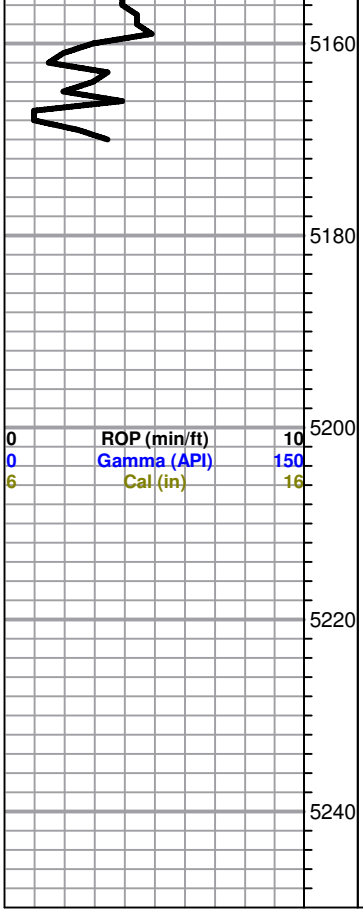
Ls-tan/lt gry f/mxln mhd trc inter xln por nsfo (No Dolo)

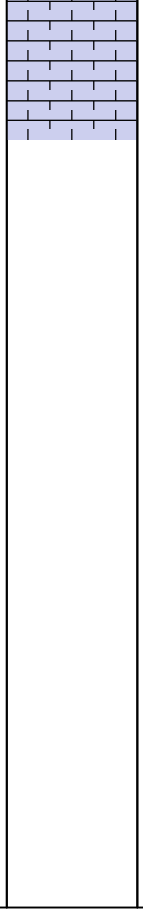
Ls-crm/tan fxln dns no por

Ls-crm/tan f/mxln mhd trc inter xln por nsfo

Ls-crm/tan fxln mhd/dns no por

Mud Data at 5050'
7:50 am 12-08-12
Wt 9.5
Vis 45
WL 9.6
pH 10
Chl 7600
Sol 7.9%
YP 16
LCM 3#





Ls-crm/tan fxln dns no por

----------RTD 5170 -2014----------

Finished Drilling at 5:15 pm on 12-08-12. Pulled 10 Stand Short Trip, then Cir for Log - 90"

Finished Logging at x:10 am on 12-09-12

CFS at 5170' - 60"

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

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

December 12, 2012

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

Re: ACO1
API 15-171-20920-00-00
Krause 1-7
SW/4 Sec.07-18S-34W
Scott 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

CONSOLIDATED
Oil Well Services, LLC

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

INVOICE Invoice # 254946

Invoice Date: 11/29/2012 Terms: 15/15/30,n/30 Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 637846
(316)265-5611

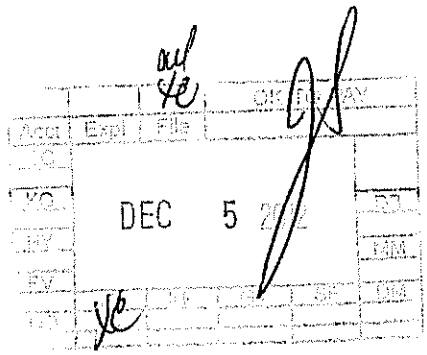
KRAUSE 1-7
39156
7-18-34
11-27-2012
KS

drilling AFE 12-321
12-2-12 LK

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	225.00	17.6500	3971.25
1102	CALCIUM CHLORIDE (50#)	636.00	.8900	566.04
1118B	PREMIUM GEL / BENTONITE	424.00	.2500	106.00
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-710.89
9995-130	CEMENT EQUIPMENT DISCOUNT	-349.52

	Description	Hours	Unit Price	Total
T-118	CEMENT PUMP (SURFACE)	1.00	1310.00	1310.00
T-118	EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
560	TON MILEAGE DELIVERY	1.00	795.15	795.15



Amount Due 7462.80 if paid after 12/29/2012

Parts:	4739.29	Freight:	.00	Tax:	334.36 AR
Labor:	.00	Misc:	.00	Total:	6343.39
Sublt:	-1060.41	Supplies:	.00	Change:	.00

6343.39

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 39156
LOCATION Oakley KS
FOREMAN Miles Shaw

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-27-12	4793	Krause #1-7	7	18S	34W	Scott

CUSTOMER: Lario Oil and Gas
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
452 TIM	Jerry		
526	Travis		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 350' CASING SIZE & WEIGHT 8 5/8" 24#
CASING DEPTH 349.74 DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk CEMENT LEFT in CASING 20'
DISPLACEMENT 21bbls DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting and rig up on pickwell #1-7 Circulate casing mix 225 sks Common with 3% calcium and 2% gel displace 21 bbls with plug released shut in Cement did Circulate 5bbls to Pit

Thanks Miles + Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1310.00	1310.00
5406	45	MILEAGE	5.00	225.00
5407A	10.58 Tons	Ton mileage delivery	1.67	395.15
1104S	225 sks	Common	17.65	397.25
1102	636 #	Calcium Chloride	.89	566.04
1118B	424 #	Bentonite gel	.25	106.00
4432	1	8 5/8 wooden plug	96.00	96.00
			Subtotal	7069.44
		less 15% discount	4	1060.41
			Subtotal	6009.03
			SALES TAX	334.36
			ESTIMATED TOTAL	6343.39

Ravin 3737

AUTHORIZTION Jay Leed TITLE DATE

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

254946

CONSOLIDATED
Oil Well Services, LLC

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

INVOICE Invoice # 255167

Invoice Date: 12/10/2012 Terms: 15/15/30,n/30 Page 1

LARIO OIL & GAS
P.O. BOX 1093
GARDEN CITY KS 637846
(316)265-5611

KRAUSE 1-7
39199
7-18-34
12-09-2012
KS

drilling AFE 12-321
12-17-12 LK

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	270.00	15.1000	4077.00
1118B	PREMIUM GEL / BENTONITE	928.00	.2500	232.00
1107	FLO-SEAL (25#)	67.00	2.8200	188.94

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-674.69
9995-130	CEMENT EQUIPMENT DISCOUNT	-363.38

	Description	Hours	Unit Price	Total
463	P & A NEW WELL	1.00	1325.00	1325.00
463	EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
693	TON MILEAGE DELIVERY	1.00	872.55	872.55

ad
yc

yc

Amount Due 7293.82 if paid after 01/09/2013

Parts:	4497.94	Freight:	.00	Tax:	317.33	AR	6199.75
Labor:	.00	Misc:	.00	Total:	6199.75		
Sublt:	-1038.07	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 39199
LOCATION Oakley KS
FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-5-12	4793	Krause #1-7	7	18S	34W	Scott KS

CUSTOMER: Lario Oil & Gass

MAILING ADDRESS:

CITY: | STATE: | ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Jerry Y		
693	Mike M		

JOB TYPE PTA | HOLE SIZE 7 7/8 | HOLE DEPTH 5170' | CASING SIZE & WEIGHT
CASING DEPTH | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 13.8 | SLURRY VOL 1.4 | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT | DISPLACEMENT PSI | MIX PSI | RATE

REMARKS: Safety Meeting and rig upon Pickrell #10 Plugs as ordered
1st 50 SKS @ 2470'
2nd 80 SKS @ 1400'
3rd 40 SKS @ 750'
4th 50 SKS @ 360' 270 SKS 60/40 poz 4% gel 1/4# Flo-seal
5th 20 SKS @ 60'
RH 30 SKS

Thanks Miles & Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325.00	1325.00
5406	45	MILEAGE	225.00	225.00
5407A	11.61 Tons	Ton Milege delivery	1.67	872.55
1131	270 SKS	60/40 poz Cement	15.10	4077.00
1118B	928#	Bentonite gel	.25	232.00
1107	67#	flo-seal	2.82	188.94
			Subtotal	6920.49
		less 15% discount		1038.07
			Subtotal	5882.42
			SALES TAX	317.33
			ESTIMATED TOTAL	6199.75

Ravin 3737

AUTHORIZTION Taly Lord TITLE DATE

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

25511.7

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lario Oil & Gas Company

301 S Market ST
Wichita KS, 67202-3805

ATTN: Max Armstrong

7-18s-34w Scott Co. KS

Krause 1-7

Job Ticket: 49929 DST#: 1

Test Start: 2012.12.05 @ 03:00:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:43:45
Time Test Ended: 11:35:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Jace McKinney
Unit No: 46

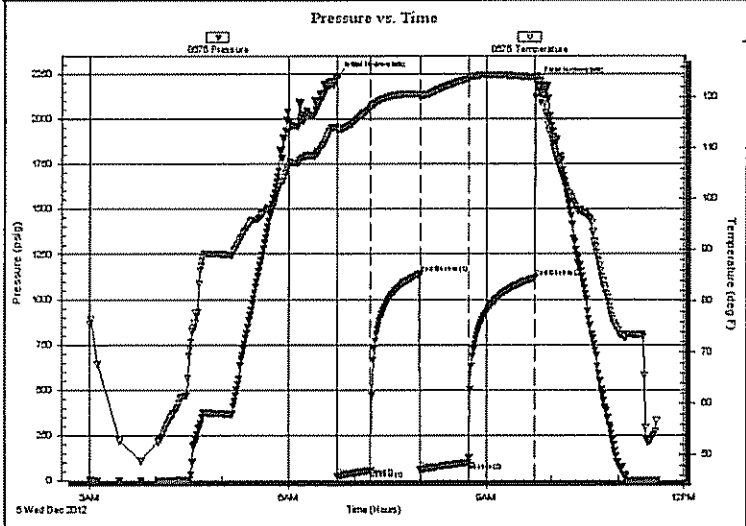
Interval: 4503.00 ft (KB) To 4533.00 ft (KB) (TVD)
Total Depth: 4533.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3156.00 ft (KB)
3149.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8675 **Inside**
Press@RunDepth: 99.22 psig @ 4504.00 ft (KB)
Start Date: 2012.12.05 End Date: 2012.12.05
Start Time: 03:00:15 End Time: 11:35:15

Capacity: 8000.00 psig
Last Calib.: 2012.12.05
Time On Btm: 2012.12.05 @ 06:43:30
Time Off Btm: 2012.12.05 @ 09:45:45

TEST COMMENT: Built to 6" blow
No return blow
Built to 4" blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.75	114.21	Initial Hydro-static
1	21.46	113.45	Open To Flow (1)
31	54.99	117.82	Shut-In(1)
76	1139.79	120.67	End Shut-In(1)
76	58.93	119.95	Open To Flow (2)
121	99.22	123.61	Shut-In(2)
181	1117.67	123.88	End Shut-In(2)
183	2208.89	124.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mcw 30%M 70%W	0.70
124.00	100% Water	1.74

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

301 S Market ST
Wichita KS, 67202-3805

ATTN: Max Armstrong

7-18s-34w Scott Co. KS

Krause 1-7

Job Ticket: 49929 DST#: 1

Test Start: 2012.12.05 @ 03:00:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mcw 30%M 70%W	0.701
124.00	100% Water	1.739

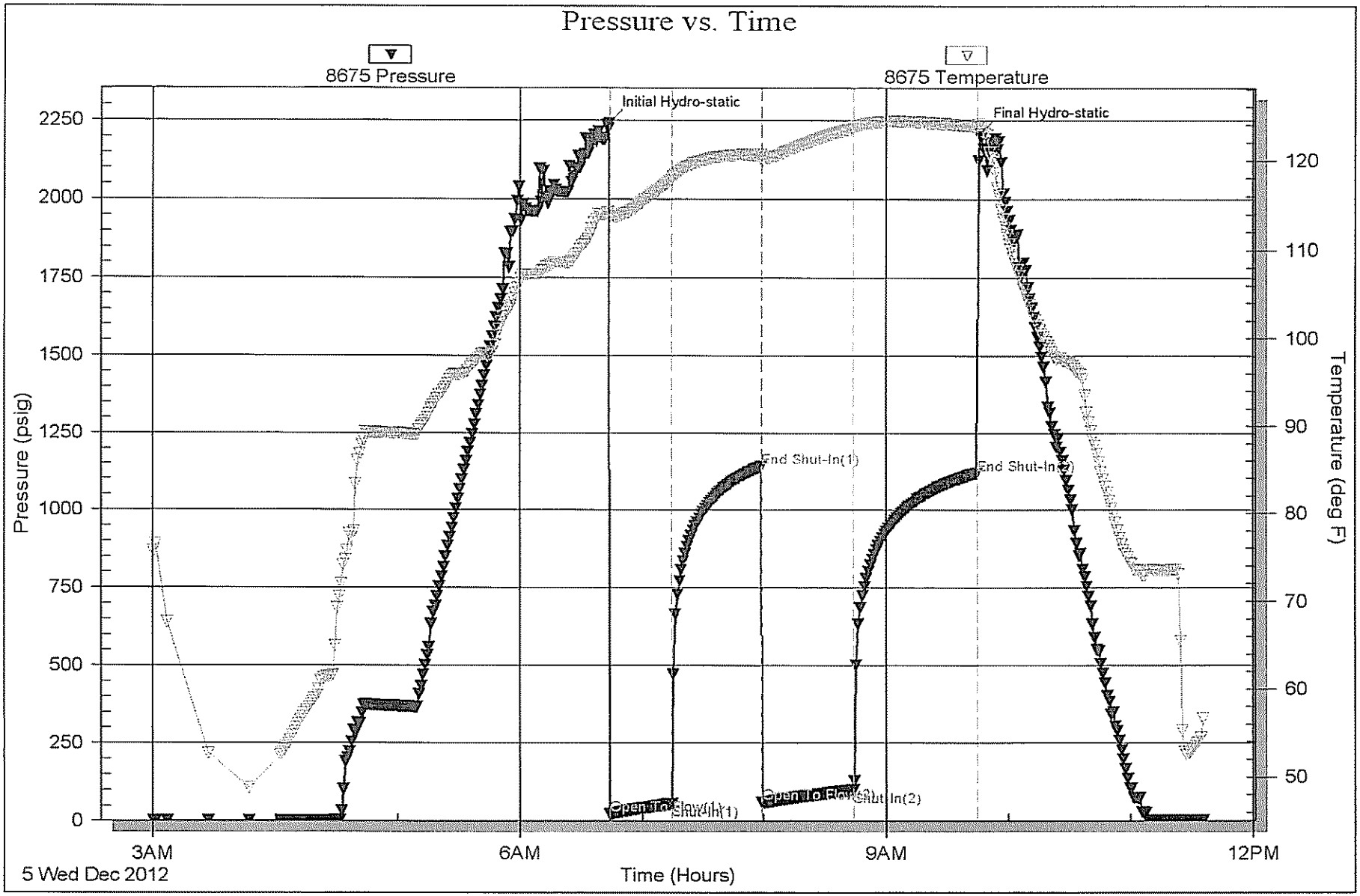
Total Length: 174.00 ft Total Volume: 2.440 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw : .20 @ 50 F = 50,000

Serial #: 8675 Inside Lario Oil & Gas Company Krause 1-7 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 49929 Printed: 2012.12.05 @ 13:05:49

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lario Oil & Gas Company

301 S Market ST
Wichita KS, 67202-3805

ATTN: Mac Armstrong

7-18s-34w Scott Co. KS

Krause 1-7

Job Ticket: 49930 **DST#: 2**

Test Start: 2012.12.06 @ 02:20:00

GENERAL INFORMATION:

Formation: **Marmaton & Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:08:45
Time Test Ended: 10:55:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46

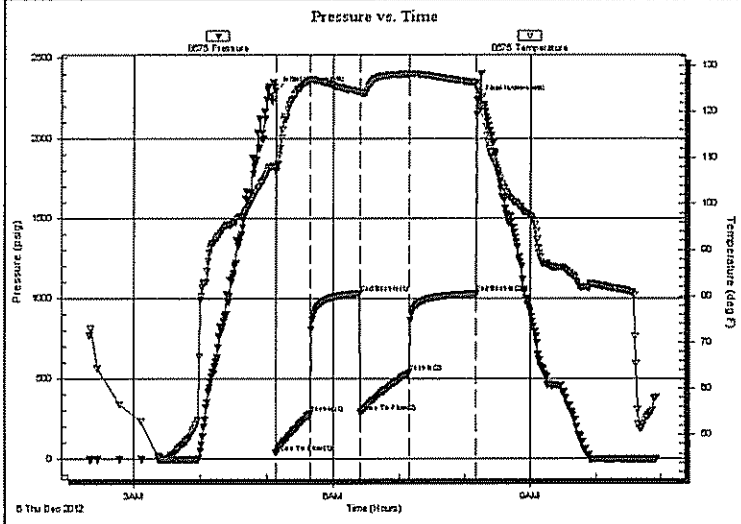
Interval: 4550.00 ft (KB) To 4624.00 ft (KB) (TVD)
Total Depth: 4624.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3156.00 ft (KB)
3149.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8675 **Inside**
Press@RunDepth: 537.59 psig @ 4551.00 ft (KB)
Start Date: 2012.12.06 End Date: 2012.12.06
Start Time: 02:20:15 End Time: 10:55:15

Capacity: 8000.00 psig
Last Calib.: 2012.12.06
Time On Btm: 2012.12.06 @ 05:08:30
Time Off Btm: 2012.12.06 @ 08:11:45

TEST COMMENT: B.O.B. in 6 min.
Bled off for 5 min. No return blow
B.O.B. in 8 min.
Bled off for 5 min. No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2297.84	108.25	Initial Hydro-static
1	40.10	107.20	Open To Flow (1)
31	281.40	126.79	Shut-In(1)
76	1031.58	124.39	End Shut-In(1)
77	288.88	124.09	Open To Flow (2)
121	537.59	128.19	Shut-In(2)
182	1029.86	126.28	End Shut-In(2)
184	2241.59	125.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
154.00	w cm 30%W 70%M	2.16
248.00	mcw 50%M 50%W	3.48
748.00	100%Water	10.49

* Recovery from multiple tests

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Company

301 S Market ST
Wichita KS, 67202-3805

ATTN: Mac Armstrong

7-18s-34w Scott Co. KS

Krause 1-7

Job Ticket: 49930 DST#: 2

Test Start: 2012.12.06 @ 02:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
154.00	w cm 30%W 70%M	2.160
248.00	mcw 50%M 50%W	3.479
748.00	100%Water	10.492

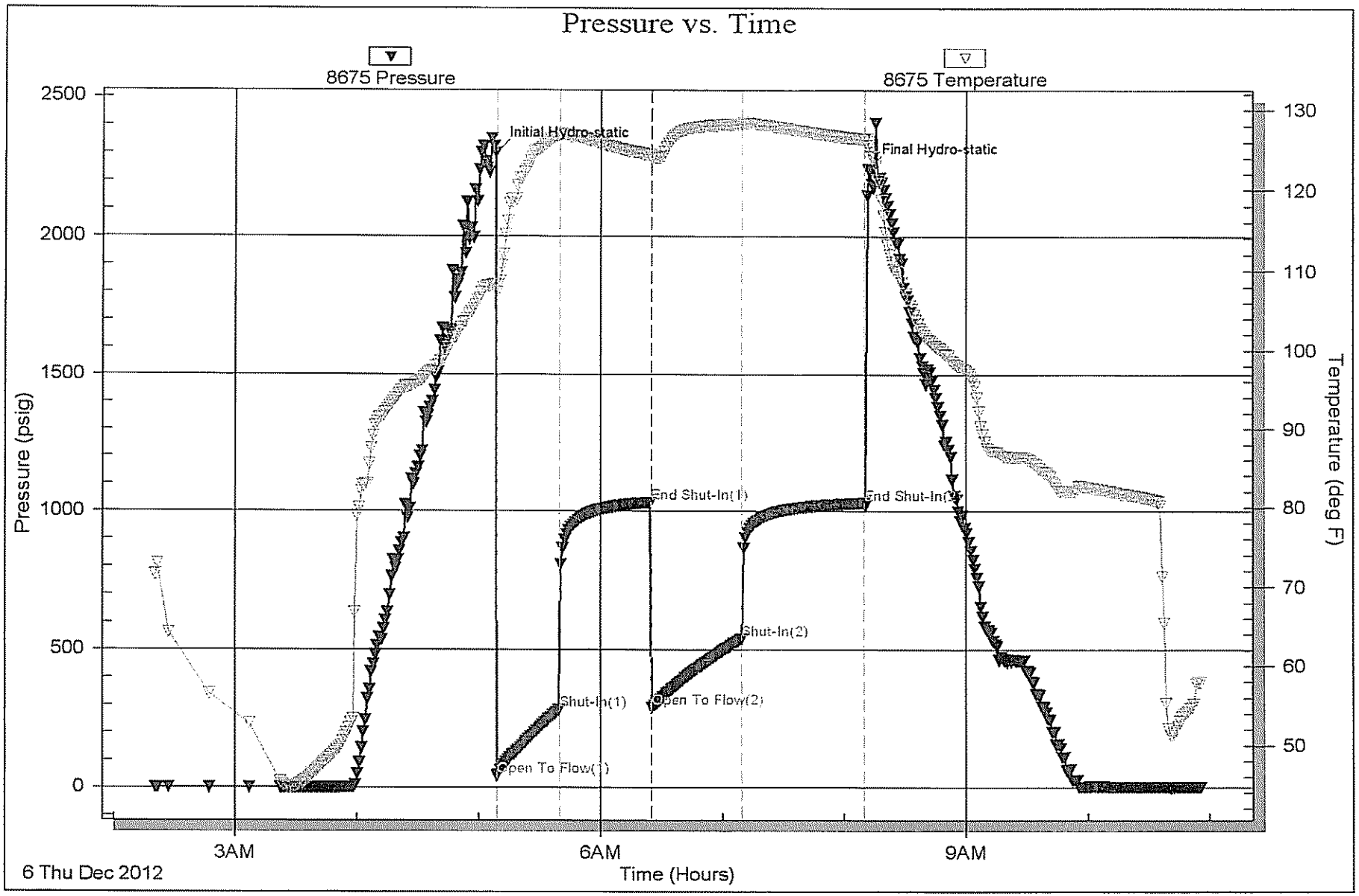
Total Length: 1150.00 ft Total Volume: 16.131 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .20 @ 50 F = 50,000

Serial #: 8675 Inside Lario Oil & Gas Company Krause 1-7 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 49930 Printed: 2012.12.06 @ 11:35:04