



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1113546
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1113546

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	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)* _____

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Colburn Tucker 2-18
Doc ID	1113546

All Electric Logs Run

MPD/MDN
MSS
MML
CMI
MAI/MFE

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Colburn Tucker 2-18
Doc ID	1113546

Tops

Name	Top	Datum
Heebner	3976	-780
Lansing	4025	-829
Stark Shale	4330	-1134
Hushpuckney	4380	-1184
Base KC	4472	-1276
Marmaton	4505	-1309
Pawnee	4605	-1409
Ft. Scott	4627	-1431
Johnson	4735	-1539
Morrow	4840	-1644
Basal Penn	4940	-1744
Mississippian	4965	-1769
St. Louis	4984	-1788

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 20, 2013

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

Re: ACO1
API 15-203-20205-00-00
Colburn Tucker 2-18
SE/4 Sec.18-19S-35W
Wichita 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



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 134724
Invoice Date: Jan 31, 2013
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Now Includes:

drilling AFE 13-04
2-7-13 LR



Bill To:
Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

Customer ID	Field Ticket #	Payment Terms	
Lario	60110	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 31, 2013	3/2/13

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Colburn Tucker #2-18		
		Class A Common	17.90	4,027.50
4.00	MAT	Gel	23.40	93.60
8.00	MAT	Chloride	64.00	512.00
243.00	SER	Cubic Feet	2.48	602.64
555.00	SER	Ton Mileage	2.60	1,443.00
1.00	SER	Surface	1,512.25	1,512.25
50.00	SER	Pump Truck Mileage	7.70	385.00
1.00	SER	Manifold Head Rental	275.00	275.00
50.00	SER	Light Vehicle Mileage	4.40	220.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Daniel Casper		

Subtotal	9,070.99
Sales Tax	384.55
Total Invoice Amount	9,455.54
Payment/Credit Applied	
TOTAL	9,455.54

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

\$ 2,539.87

ONLY IF PAID ON OR BEFORE
Feb 25, 2013

ALLIED OIL & GAS SERVICES, LLC 060110

Federal Tax I.D. # 20-8661476

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley

DATE <u>1-31-13</u>	SEC. <u>18</u>	TWR. <u>195</u>	RANGE <u>352</u>	CALLED OUT	ON LOCATION	JOB START <u>7:20 AM</u>	JOB FINISH <u>5:00 PM</u>
<u>Colburn</u> LEASE <u>Tracer</u>	WELL# <u>2-18</u>	LOCATION <u>Marienthal Gas</u>	<u>1/4 W</u>	COUNTY <u>Wichita</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>Minto</u>			<u>1.01</u>	<u>8.3</u>

CONTRACTOR <u>Duke Y</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>354'</u>
CASING SIZE <u>8 3/8</u>	DEPTH <u>354'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>2159 BBL</u>	COMMON <u>225 SK</u> @ <u>17.80</u> <u>4027.50</u>
	POZMIX @
	GEL <u>4 SKS</u> @ <u>64.00</u> <u>256.00</u>
	CHLORIDE <u>8 SKS</u> @ <u>23.70</u> <u>189.60</u>
	ASC @
	@
	@
	@
	@
	HANDLING <u>243 out</u> @ <u>2.48</u> <u>602.64</u>
	MILEAGE <u>2.60</u> <u>Terraviva</u> <u>1443.00</u>
	TOTAL <u>6678.74</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Andrew Fogstad</u>
# <u>431</u>	HELPER <u>K. Brane Retzoff</u>
BULK TRUCK	
# <u>609</u>	DRIVER <u>Daniel (GP)</u>
BULK TRUCK	
#	DRIVER

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Lario oil & gas

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHAROB	<u>1572.25</u>
EXTRA FOOTAGE @	
MILEAGE <u>50 miles</u> @ <u>7.70</u>	<u>385.00</u>
MANIFOLD <u>head</u> @	<u>225.00</u>
<u>Light vehicle</u> @ <u>440</u>	<u>220.00</u>
@	
TOTAL	<u>2392.25</u>

PLUG & FLOAT EQUIPMENT

@	
@	
@	
@	
@	

TOTAL

SALES TAX (if Any) <u>384.54</u>
TOTAL CHARGES <u>9,070.00</u>
DISCOUNT <u>25,387</u> IF PAID IN 30 DAYS

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rich Wheeler

SIGNATURE Rich Wheeler

Bid 2870 653/24



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 134892
Invoice Date: Feb 12, 2013
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Bill To:
Lario Oil & Gas Co. Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

*Colburn Tucker Unit #2
3 Stage Cement
AFF-13-047
CK 2/25/13*

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	60115	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Feb 12, 2013	3/14/13

Quantity	Item	Description	Unit Price	Amount
		Colburn Tucker #2-18		
230.00	MAT	ASC	20.90	4,807.00
500.00	MAT	Lightweight	16.50	8,250.00
1,150.00	MAT	Gilsonite	0.98	1,127.00
125.00	MAT	Flo Seal	2.97	371.25
69.00	MAT	FL-160	18.90	1,304.10
34.00	MAT	Defoamer	9.80	333.20
12.00	MAT	Super Flush	58.70	704.40
895.67	SER	Cubic Feet	2.48	2,221.26
1,887.50	SER	Ton Mileage	2.60	4,907.50
1.00	SER	Production - Bottom Stage	3,099.25	3,099.25
1.00	SER	Production - Top Stage	2,406.25	2,406.25
50.00	SER	Pump Truck Mileage	7.70	385.00
1.00	SER	Manifold Head Rental	275.00	275.00
50.00	SER	Light Vehicle Mileage	4.40	220.00
1.00	EQP	5.5 Packer Shoe	2,709.72	2,709.72
1.00	EQP	5.5 Latch Down Plug Assembly	324.09	324.09
1.00	EQP	5.5 D V Tool	5,335.26	5,335.26
1.00	EQP	5.5 Basket	394.29	394.29
16.00	EQP	5.5 Centralizer	57.33	917.28
1.00	CEMENTER	Andrew Forslund		

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

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

\$ 12,027.55

ONLY IF PAID ON OR BEFORE
Mar 9, 2013

FEB 28 2013

KL



PO Box 93999
 Southlake, TX 76092

Voice: (817) 546-7282
 Fax: (817) 246-3361

INVOICE

Invoice Number: 134892
 Invoice Date: Feb 12, 2013
 Page: 2

Bill To:
Lario Oil & Gas Co. Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Lario	60115	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Feb 12, 2013	3/14/13

Quantity	Item	Description	Unit Price	Amount
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Kevin Ryan		
1.00	OPER ASSIST	Darrin Hoeb		



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

\$ 12,027.55

ONLY IF PAID ON OR BEFORE
 Mar 9, 2013

Subtotal	40,091.85
Sales Tax	2,205.94
Total Invoice Amount	42,297.79
Payment/Credit Applied	
TOTAL	42,297.79

ALLIED OIL & GAS SERVICES, LLC 060115

Federal Tax I.D. # 20-8661476

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley

DATE <u>2-12-13</u>	SEC. <u>18</u>	TWP. <u>19S</u>	RANGE <u>35W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>Tucker</u>	WELL# <u>2-18</u>	LOCATION <u>Marathon LS</u>			COUNTY <u>Wichita</u>	STATE <u>Ks</u>	
OLD OR (NEW) (Circle one)		<u>New</u>			1.02 <u>8.3</u>		

CONTRACTOR Duke 21

TYPE OF JOB Production (2 stage)

HOLE SIZE 2 7/8 T.D.

CASING SIZE 5 1/2 DEPTH 5120'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV DEPTH 2409'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 43'

CEMENT LEFT IN CSO. 43'

PERFS. bottom into mud TOP

DISPLACEMENT 123.87 BBL 65.74 58.64

OWNER same

CEMENT

AMOUNT ORDERED 230 SKS A& 10% soft

5th Gilsonite 280g/L 37440# 118 H-40 1582#

Defamer 355 SKS LITE 4100 seal

3500 P100 Super Flush

COMMON used 500 SKS LITE

POZMIX @

GEL @

CHLORIDE @

ASC 230 SKS @ 21.00 4830.00

LITE 500 SKS @ 16.50 8250.00

Gilsonite 1150# @ .98 1127.00

MO-seal 125# @ 2.92 365.00

PL-160 69# @ 18.90 1304.10

Defamer 34# @ 9.80 333.20

Striper Flush 12 BBL @ 58.75 705.00

HANDLING 875.67 @ 2.48 2221.26

MILEAGE 210 to white 37.25 mi @ 49.67 1667.50

EQUIPMENT

PUMP TRUCK CEMENTER Andrew 1

431 HELPER Dane 1

BULK TRUCK

347 DRIVER Kevin Ryan 3

BULK TRUCK

540 DRIVER Darrin Webb 3

1887.50 TOTAL 24025.71

SERVICE

DEPTH OF JOB 5120'

PUMP TRUCK CHARGE bottom 3199.25 2401.25

EXTRA FOOTAGE @

MILEAGE 50 miles @ 2.20 110.00

MANIFOLD head @ 225.00

Light vehicle @ 4.40 220.00

TOTAL 6385.50

REMARKS:

Prep 10% water 12% super flush 25 SKS A&

wash pump and line clean. Displace plug

used # LITE 1600# land plug rat held.

open on 2306 100%.

Plug rat hole 30 SKS mix 420 SKS down

5 1/2 casing, wash pump and line clean

Displace plug 720# 2 1/2" LITE land plug 1600#

tool closed, cement circulated.

Thank you

CHARGE TO: Lorid Oil + Gas

STREET P.O. Box 1093

CITY Garden STATE Ks ZIP 67846

PLUG & FLOAT EQUIPMENT

5/2

1 Packer shoe @ 2781.22

1 Latch down plug 324.09

1 DV tool @ 5335.26

1 Basket @ 394.39

16 Centralizers @ 57.33 917.28

TOTAL 9680.64

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) 2205.93

TOTAL CHARGES 40,091.85

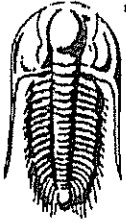
DISCOUNT 12027.55 IF PAID IN 30 DAYS

PRINTED NAME Curtis D Keil

SIGNATURE Curtis D Keil

Great job all, 3880

Net 28064.30 Bid



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas
 301 S Market ST
 Wichita KS 67202-3805
 ATTN: Tim Lauer

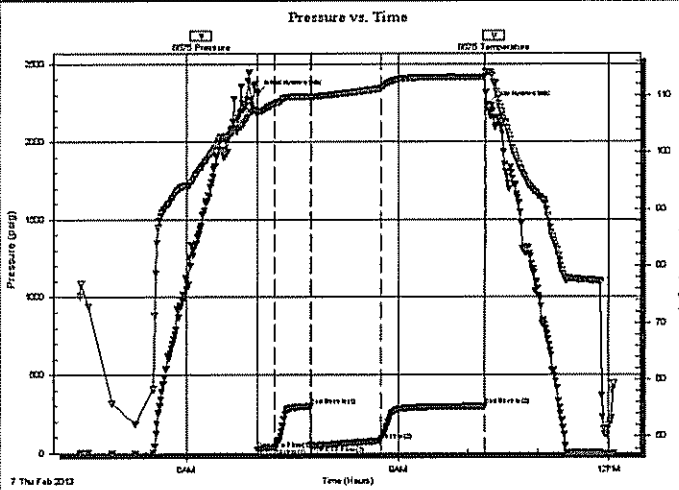
18-19s-35w Wichita Co. KS
Colburn Tucker 2-18
 Job Ticket: 49950 DST#: 1
 Test Start: 2013.02.07 @ 04:30:00

GENERAL INFORMATION:

Formation: **Marmaton A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:00:15
 Time Test Ended: 12:04:45
 Interval: **4496.00 ft (KB) To 4528.00 ft (KB) (TVD)**
 Total Depth: **4528.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3196.00 ft (KB)
 3187.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 77.27 psig @ 4497.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.02.07 End Date: 2013.02.07 Last Calib.: 2013.02.07
 Start Time: 04:30:15 End Time: 12:04:45 Time On Btm: 2013.02.07 @ 07:00:00
 Time Off Btm: 2013.02.07 @ 10:16:15

TEST COMMENT: B.O.B. in 14 min.
 Bled off for 5 min. No return blow
 B.O.B. in 13 1/2 min.
 Bled off for 5 min. No return blow



PRESSURE SUMMARY

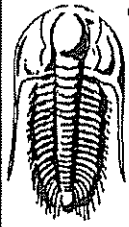
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.17	107.33	Initial Hydro-static
1	23.09	106.60	Open To Flow (1)
15	36.97	108.43	Shut-In(1)
45	298.15	109.75	End Shut-In(1)
46	44.35	109.63	Open To Flow (2)
105	77.27	111.22	Shut-In(2)
195	298.55	113.22	End Shut-In(2)
197	2235.12	114.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbi)
78.00	100% Clean Oil	1.09
77.00	gcmo 5%G 35%M 65%O	1.08

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas
301 S Market ST
Wichita KS 67202-3805
ATTN: Tim Lauer

18-19s-35w Wichita Co. KS
Colburn Tucker 2-18
Job Ticket: 49950 DST#: 1
Test Start: 2013.02.07 @ 04:30:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

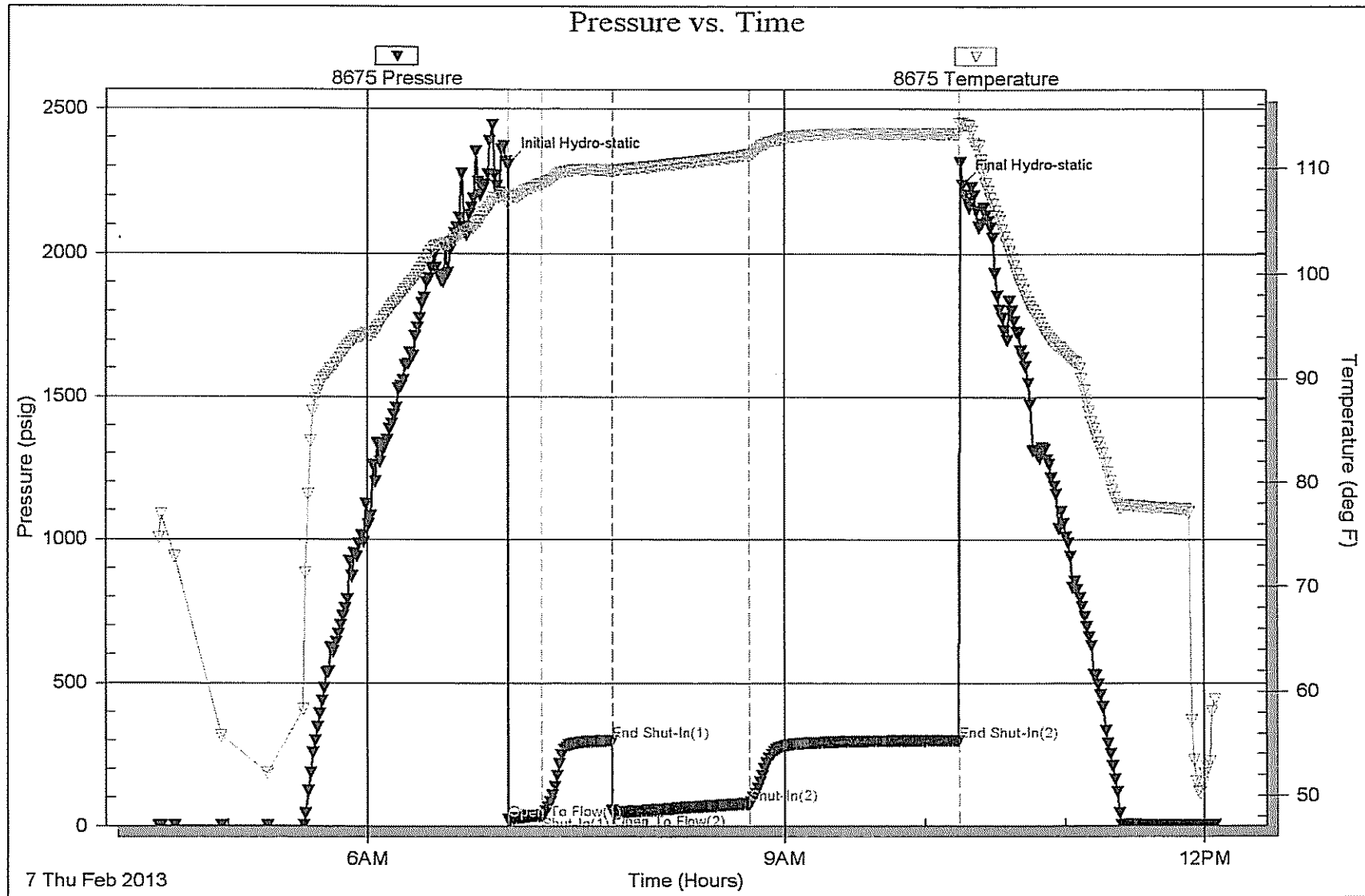
Length ft	Description	Volume bbl
78.00	100% Clean Oil	1.094
77.00	gcmo 5%G 35%M 65%O	1.080

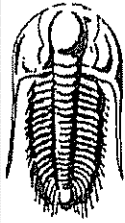
Total Length: 155.00 ft Total Volume: 2.174 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API 31 @ 60 F = 31





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market ST
Wichita KS 67202-3805
ATTN: Tim Lauer

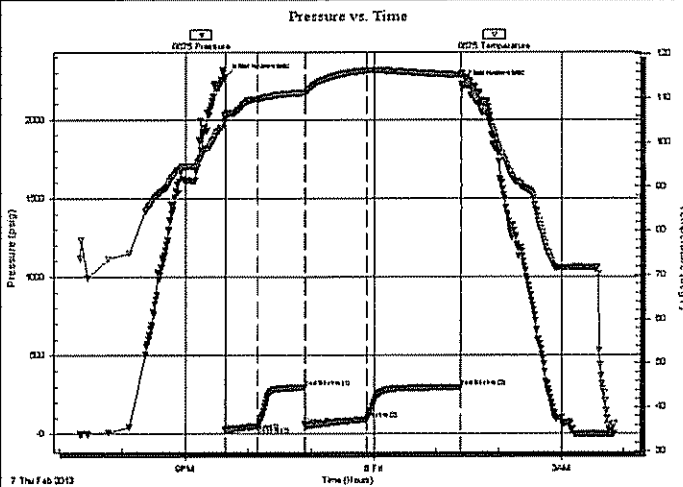
18-19s-35w Wichita Co. KS
Colburn Tucker 2-18
Job Ticket: 49951 DST#: 2
Test Start: 2013.02.07 @ 19:20:00

GENERAL INFORMATION:

Formation: **Lower Marmaton A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:38:00
Time Test Ended: 03:50:45
Interval: **4528.00 ft (KB) To 4541.00 ft (KB) (TVD)**
Total Depth: 4541.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jace McKinney
Unit No: 46
Reference Elevations: 3196.00 ft (KB)
3187.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8675 Inside
Press@RunDepth: 95.41 psig @ 4529.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.07 End Date: 2013.02.08 Last Calib.: 2013.02.08
Start Time: 19:20:15 End Time: 03:50:45 Time On Btm: 2013.02.07 @ 21:37:45
Time Off Btm: 2013.02.08 @ 01:24:00

TEST COMMENT: B.O.B. in 13 min.
Bled off for 5 min. No return blow
B.O.B. in 10 min.
Bled off for 5 min. Built to 3" return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.01	106.11	Initial Hydro-static
1	24.02	105.13	Open To Flow (1)
32	51.57	109.86	Shut-In(1)
76	296.71	111.27	End Shut-In(1)
77	54.96	111.32	Open To Flow (2)
136	95.41	116.40	Shut-In(2)
226	296.84	115.37	End Shut-In(2)
227	2228.24	115.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	340 Feet Gas In Pipe	0.00
190.00	gco 5%G 95%O	2.67
30.00	gcom 20%G 40%O 40%M	0.42

* 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
301 S Market ST
Wichita KS 67202-3805

18-19s-35w Wichita Co. KS

Colburn Tucker 2-18

Job Ticket: 49951 DST#: 2

ATTN: Tim Lauer

Test Start: 2013.02.07 @ 19:20:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

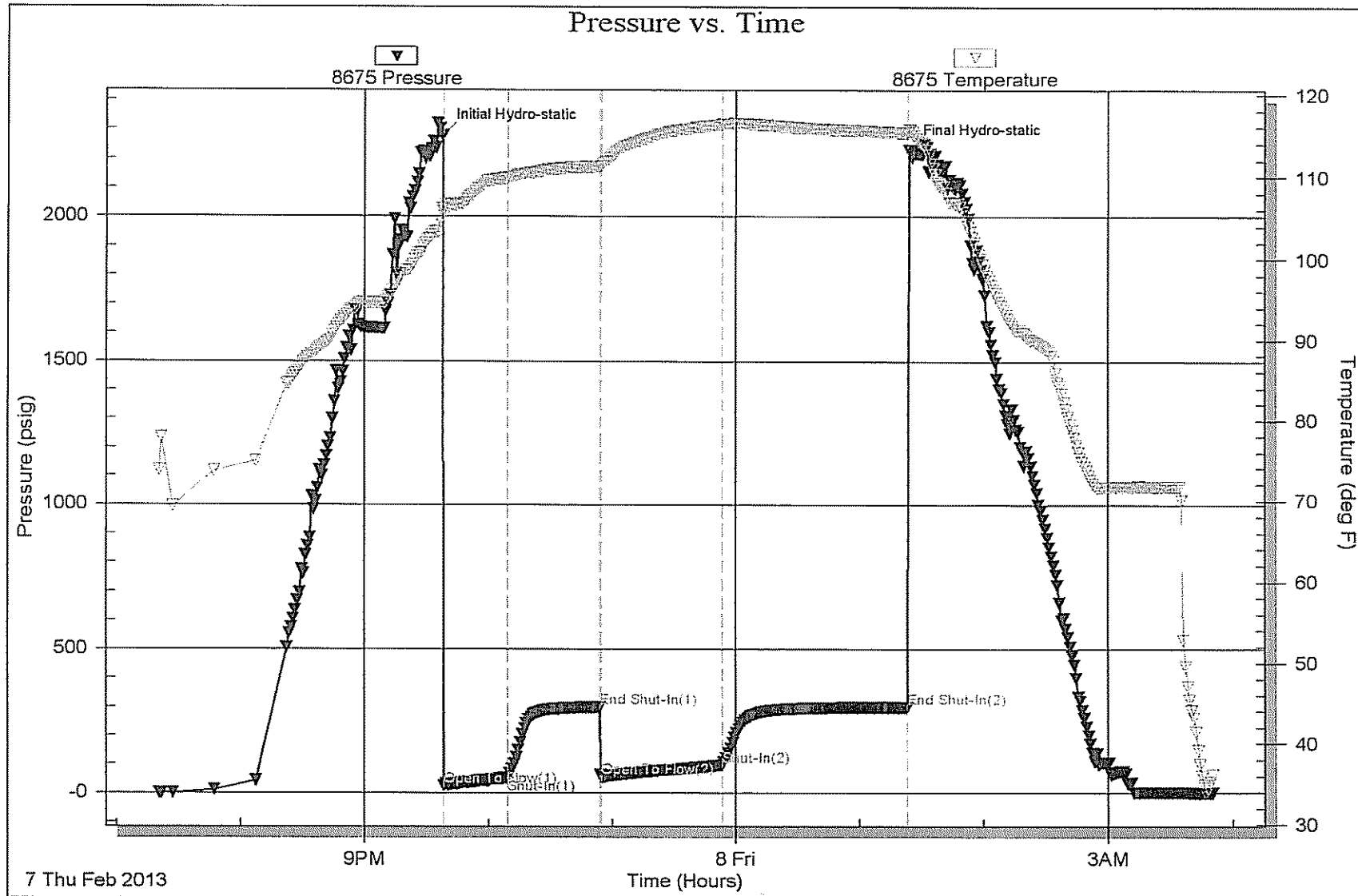
Length ft	Description	Volume bbl
0.00	340 Feet Gas In Pipe	0.000
190.00	gco 5%G 95%O	2.665
30.00	gcom 20%G 40%O 40%M	0.421

Total Length: 220.00 ft Total Volume: 3.086 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API 30 @ 30 F = 33





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market ST
Wichita KS 67202-3805
ATTN: Tim Lauer

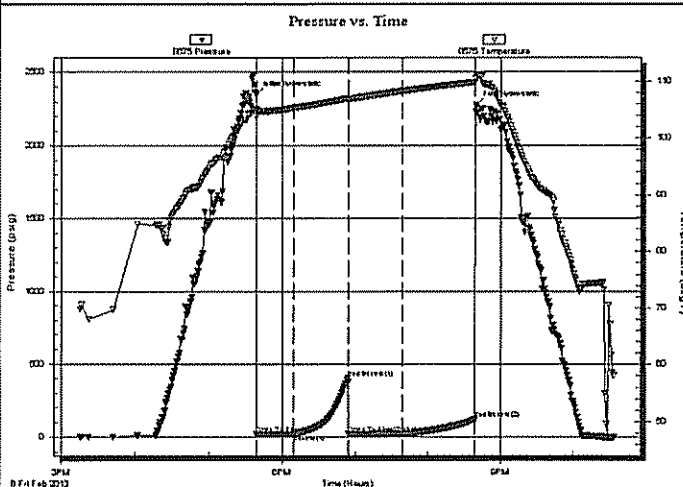
18-19s-35w Wichita Co. KS
Colburn Tucker 2-18
Job Ticket: 49952 DST#: 3
Test Start: 2013.02.08 @ 15:15:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 17:39:00
Time Test Ended: 22:33:45
Interval: **4582.00 ft (KB) To 4612.00 ft (KB) (TVD)**
Total Depth: **4612.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Jace McKinney**
Unit No: **46**
Reference Elevations: **3196.00 ft (KB)**
3187.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8675 Inside
Press@RunDepth: **24.47 psig @ 4583.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2013.02.08** End Date: **2013.02.08** Last Calib.: **2013.02.08**
Start Time: **15:15:15** End Time: **22:33:45** Time On Btm: **2013.02.08 @ 17:38:45**
Time Off Btm: **2013.02.08 @ 20:40:00**

TEST COMMENT: Built to 3/4" blow
No return blow
Weak blow, Died in 20 min.
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.03	105.15	Initial Hydro-static
1	22.74	103.82	Open To Flow (1)
31	23.97	105.25	Shut-in(1)
76	400.62	106.93	End Shut-In(1)
76	23.42	106.78	Open To Flow (2)
121	24.47	108.23	Shut-In(2)
180	122.49	109.80	End Shut-In(2)
182	2278.66	110.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud with oil scum	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lario Oil & Gas
301 S Market ST
Wichita KS 67202-3805
ATTN: Tim Lauer

18-19s-35w Wichita Co. KS

Colburn Tucker 2-18
Job Ticket: 49952 DST#: 3
Test Start: 2013.02.08 @ 15:15:00

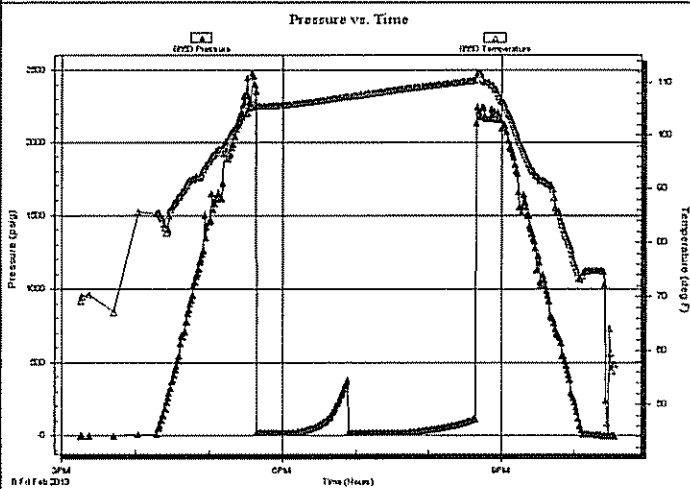
GENERAL INFORMATION:

Formation:	Pawnee	Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock: ft (KB)	Tester:	Jace McKinney
Time Tool Opened:	17:39:00	Unit No:	46
Time Test Ended:	22:33:45	Reference Elevations:	3196.00 ft (KB) 3187.00 ft (CF)
Interval:	4582.00 ft (KB) To 4612.00 ft (KB) (TVD)	KB to GR/CF:	9.00 ft
Total Depth:	4612.00 ft (KB) (TVD)		
Hole Diameter:	7.88 inches Hole Condition: Fair		

Serial #: 8650 Outside

Press@RunDepth:	psig @ 4583.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2013.02.08	End Date:	2013.02.08
Start Time:	15:15:15	End Time:	22:33:30
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: Built to 3/4" blow
No return blow
Weak blow , Died in 20 min.
No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud with oil scum	0.07

* Recovery from multiple tests

Gas Rates

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

