



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1115740  
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 #: \_\_\_\_\_

<p>Spud Date or Recompletion Date</p>	<p>Date Reached TD</p>	<p>Completion Date or Recompletion Date</p>
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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: \_\_\_\_\_



1115740

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED OIL & GAS SERVICES, LLC 060046

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
*Oakley*

DATE <i>2-15-13</i>	SEC <i>29</i>	TWP. <i>19</i>	RANGE <i>33</i>	CALLED OUT	ON LOCATION	JOB START <i>8:30 AM</i>	JOB FINISH <i>9:30 AM</i>
LEASE <i>Bontrager RT</i>	WELL # <i>2-29</i>	LOCATION <i>Shallow Water 4 1/2 W</i>		COUNTY <i>Scott</i>	STATE <i>Ks.</i>		
OLD OR NEW (Circle one)			<i>Niota</i>				

CONTRACTOR *WW-2*  
 TYPE OF JOB *Production*  
 HOLE SIZE *7 7/8* T.D. *4782'*  
 CASING SIZE *5 1/2* DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT *36.35*  
 CEMENT LEFT IN CSG. *36.35*  
 PERFS.  
 DISPLACEMENT *54.82*  
 EQUIPMENT

OWNER *Same*  
 CEMENT  
 AMOUNT ORDERED *350 sks Lite 1/4 Floseal*  
*100 sks ABC 10% salt 2% Gel*

PUMP TRUCK CEMENTER *Darren Racette*  
 # *423-281* HELPER *Tyler Flipse*  
 BULK TRUCK  
 # *540-287* DRIVER *Brandon Wilkinson*  
 BULK TRUCK  
 # *347* DRIVER *Kevin Ryan*

COMMON	@		
POZMIX	@		
GEL		<i>2 sks @ \$23.42</i>	<i>\$46.80</i>
CHLORIDE	@		
ASC		<i>100 sks @ \$20.70</i>	<i>\$2070.00</i>
ALW		<i>350 sks @ \$15.75</i>	<i>\$5512.50</i>
Salt		<i>10 sks @ \$26.35</i>	<i>\$263.50</i>
Floseal		<i>88 # @ \$2.92</i>	<i>\$256.96</i>
HANDLING		<i>513.97 @ x</i>	<i>\$2.48</i>
MILEAGE		<i>21.64 @ 58 x</i>	<i>\$2.62</i>
			<b>TOTAL</b> <i>\$12782.12</i>

REMARKS: *Plug mouse hole 15 sks Cement*  
*Pump 5 water ahead Plug Rathole 30 sks Cement*  
*mix 300 sks Lite Cement + 100 sks ABC Cement*  
*Release plug Displace Down with water*  
*Land Plug 1650' Lift 750' Float Held*  
*Cement Did Circulate*

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<i>\$2443.75</i>
EXTRA FOOTAGE	@	
MILEAGE		<i>58 @ \$7.70</i>
MANIFOLD		<i>Head @ \$275.00</i>
LV Mileage		<i>@ \$4.40</i>
<b>TOTAL</b> <i>\$3420.55</i>		

CHARGE TO: *Cholla Production LLC*  
 STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

<i>5 1/2 Weatherford</i>		
<i>1 - AFU Float Shoe</i>	@	<i>\$408.33</i>
<i>1 - Latch Down Plug Assy</i>	@	<i>\$224.07</i>
<i>5 - Centralizers</i>	@	<i>\$57.33</i>
<i>2 - Baskets</i>	@	<i>\$394.22</i>
<b>TOTAL</b> <i>\$1807.65</i>		

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)  
 TOTAL CHARGES *18010.32*  
 DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME  
 SIGNATURE *John Mondino*

*1790*

# ALLIED OIL & GAS SERVICES, LLC 060042

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Orkley

DATE <u>2-7-13</u>	SEC. <u>29</u>	TWP. <u>19</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>Bentlager RT</u>	WELL # <u>2-29</u>		LOCATION <u>Shallow Water 4 1/2 W Ninto</u>	COUNTY <u>Scott</u>	STATE <u>Ks.</u>	<u>1.01</u> <u>8.3</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>WV-2</u>		OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>		
HOLE SIZE <u>12 1/4</u>	T.D. <u>258</u>	CEMENT
CASING SIZE <u>8 7/8</u>	DEPTH <u>256.87</u>	AMOUNT ORDERED <u>175 SKs Com 3% CC</u>
TUBING SIZE	DEPTH	<u>2% Gel</u>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>175 SKs @ \$17.92 \$3132.50</u>
MEAS. LINE	SHOE JOINT	FOZ MIX <u>@</u>
CEMENT LEFT IN CSG. <u>15'</u>		GEL <u>3 SKs @ \$23.42 \$70.26</u>
PERFS.		CHLORIDE <u>6 SKs @ \$64.92 \$389.92</u>
DISPLACEMENT <u>15.47</u>		ASC <u>@</u>

**EQUIPMENT**

PUMP TRUCK # <u>123-281</u>	CEMENTER <u>Darren Racette 1</u>
BULK TRUCK # <u>396-306</u>	HELPER <u>Tyler Flipse 2</u>
BULK TRUCK # _____	DRIVER <u>Darrin Hoob 3</u>
BULK TRUCK # _____	DRIVER _____

REMARKS:  
Mix Cement  
Displace with water  
Cement Did Circulate

HANDLING <u>189.24 @ x</u>	<u>\$2.48</u>	<u>\$469.32</u>
MILEAGE <u>8.64 x 58 x</u>	<u>\$2.40</u>	<u>\$1302.72</u>
<u>501.11</u>		TOTAL <u>\$5358.23</u>

**SERVICE**

DEPTH OF JOB <u>256.87'</u>	
PUMP TRUCK CHARGE	<u>\$1512.35</u>
EXTRA FOOTAGE	<u>@</u>
MILEAGE <u>58</u>	<u>@ \$7.20 \$446.40</u>
MANIFOLD <u>Swedge</u>	<u>@ \$275.00</u>
<u>LV mileage</u>	<u>@ \$4.40 \$255.20</u>
TOTAL <u>\$2489.95</u>	

CHARGE TO: Chalks Production LLC

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 Lorrie Lang

SIGNATURE Lorrie Lang

**PLUG & FLOAT EQUIPMENT**

_____	<u>@</u>	_____
_____	<u>@</u>	_____
_____	<u>@</u>	_____
_____	<u>@</u>	_____
_____	<u>@</u>	_____
TOTAL		_____

SALES TAX (if Any) 292.69

TOTAL CHARGES 7,847.98

DISCOUNT 1726.55 IF PAID IN 30 DAYS

6121.43 290



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production, LLC

**S.29-19s-33w Scott, KS**

7851 S. Elat iSt.  
Suite 201  
Littleton, CO 80120  
ATTN: Bill Goff

**Bontrager RT 2-29**

Job Ticket: 51282

**DST#: 1**

Test Start: 2013.02.11 @ 08:47:00

## GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:51:00

Time Test Ended: 15:27:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

**Interval: 4128.00 ft (KB) To 4155.00 ft (KB) (TVD)**

Reference Elevations: 2991.00 ft (KB)

Total Depth: 4155.00 ft (KB) (TVD)

2986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8018**

**Inside**

Press @ Run Depth: 372.67 psig @ 4129.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.11

End Date:

2013.02.11

Last Calib.:

2013.02.11

Start Time: 08:47:02

End Time:

15:27:40

Time On Btm:

2013.02.11 @ 10:49:30

Time Off Btm:

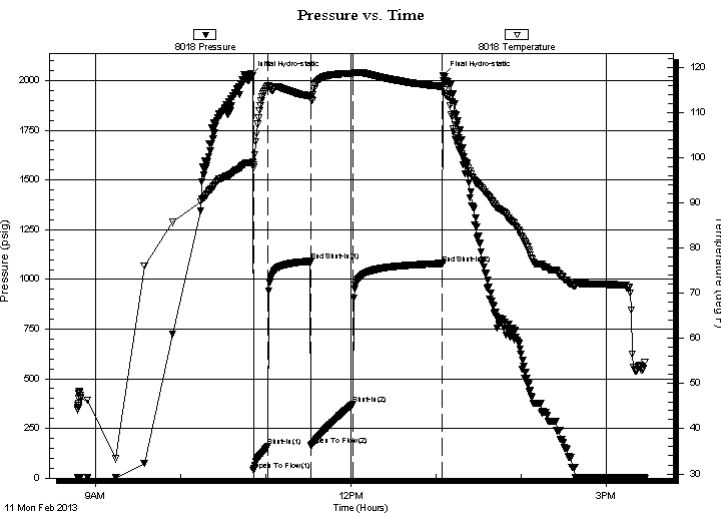
2013.02.11 @ 13:05:09

TEST COMMENT: B.O.B. @ 6 min.

No return.

B.O.B. @ 6 3/4 min.

No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2024.44	98.87	Initial Hydro-static
2	41.05	97.93	Open To Flow (1)
12	158.73	115.95	Shut-In(1)
42	1091.15	113.64	End Shut-In(1)
43	164.16	113.10	Open To Flow (2)
72	372.67	118.76	Shut-In(2)
135	1080.06	115.85	End Shut-In(2)
136	2024.25	116.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
244.00	OSW 100w	2.33
186.00	OSMW 10m 90w	2.61
124.00	OSMW 50m 50w	1.74
92.00	OSM 100m	1.29
0.00	RW .195 @ 37 Degrees F = 73000 PPM	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cholla Production, LLC

**S.29-19s-33w Scott, KS**

7851 S. Elat iSt.  
Suite 201  
Littleton, CO 80120  
ATTN: Bill Goff

**Bontrager RT 2-29**

Job Ticket: 51282

**DST#: 1**

Test Start: 2013.02.11 @ 08:47:00

## 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:

73000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
244.00	OSW 100w	2.330
186.00	OSMW 10m 90w	2.609
124.00	OSMW 50m 50w	1.739
92.00	OSM 100m	1.291
0.00	RW .195 @ 37 Degrees F = 73000 PPM	0.000

Total Length: 646.00 ft      Total Volume: 7.969 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

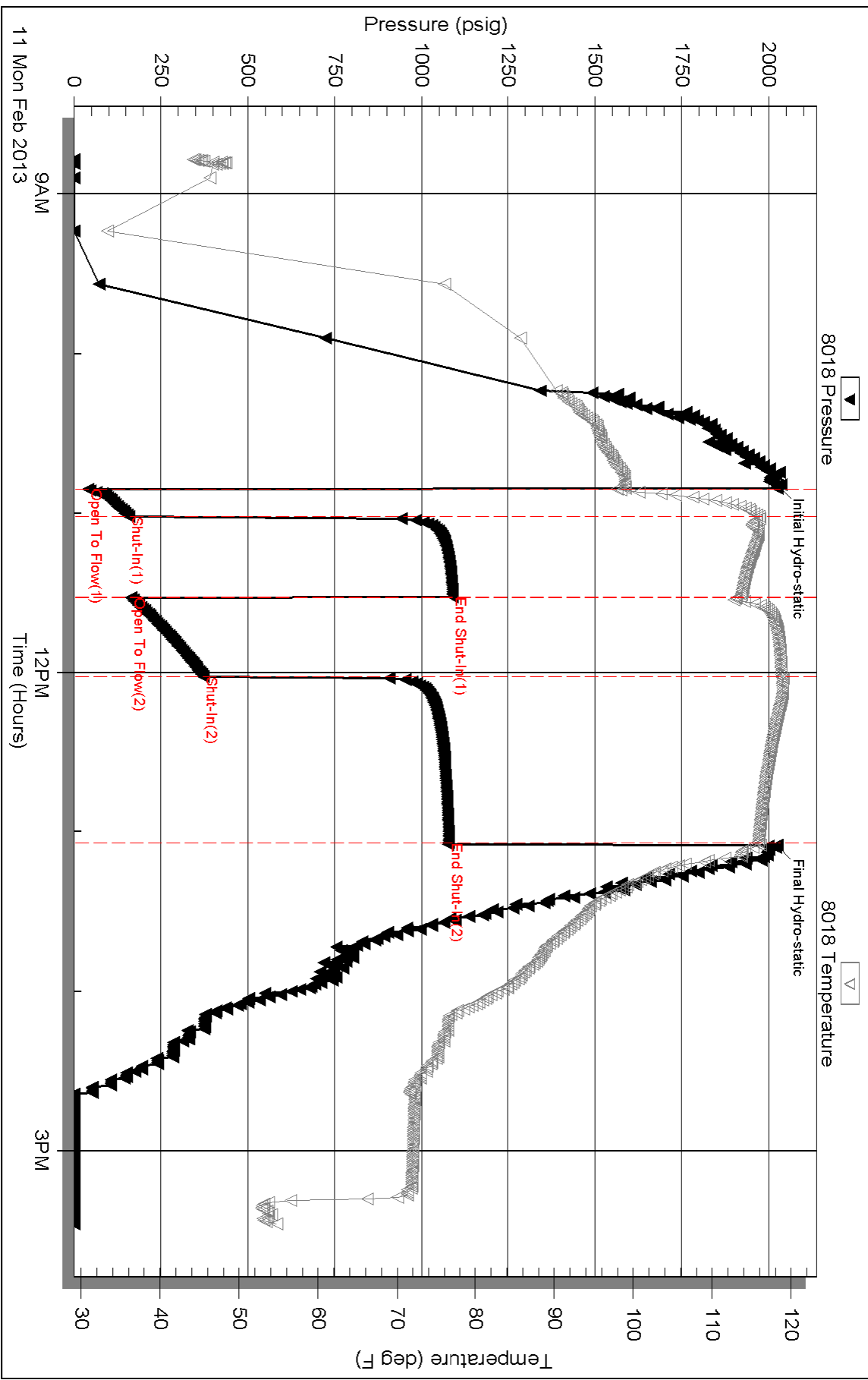
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 100mL M 1900mL W Oil spots 120 psi  
23 PPM of H2S detected during fluid recovery.

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production, LLC

**S.29-19s-33w Scott, KS**

7851 S. Elat iSt.  
Suite 201  
Littleton, CO 80120  
ATTN: Bill Goff

**Bontrager RT 2-29**

Job Ticket: 51283

**DST#: 2**

Test Start: 2013.02.12 @ 14:18:00

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:53:30  
 Time Test Ended: 19:31:09  
 Interval: **4440.00 ft (KB) To 4470.00 ft (KB) (TVD)**  
 Total Depth: 4470.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 62  
 Reference Elevations: 2991.00 ft (KB)  
 2986.00 ft (CF)  
 KB to GR/CF: 5.00 ft

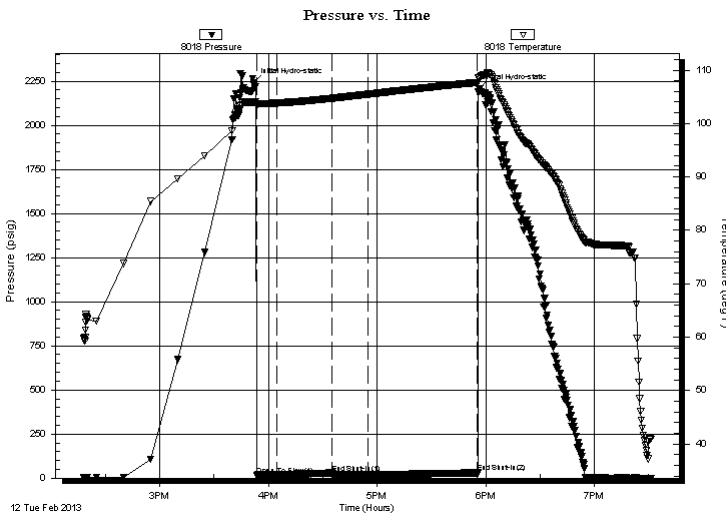
## Serial #: 8018

Inside

Press @ Run Depth: 18.77 psig @ 4441.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.12 End Date: 2013.02.12 Last Calib.: 2013.02.12  
 Start Time: 14:18:02 End Time: 19:31:10 Time On Btm: 2013.02.12 @ 15:51:50  
 Time Off Btm: 2013.02.12 @ 17:56:30

TEST COMMENT: Surface blow .  
 No return.  
 No blow .  
 No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.69	103.92	Initial Hydro-static
2	17.35	103.25	Open To Flow (1)
13	18.71	103.83	Shut-In(1)
43	29.65	104.71	End Shut-In(1)
44	18.35	104.71	Open To Flow (2)
64	18.77	105.48	Shut-In(2)
124	30.24	107.68	End Shut-In(2)
125	2207.14	108.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	OSM 100m	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cholla Production, LLC

**S.29-19s-33w Scott, KS**

7851 S. Elat iSt.  
Suite 201  
Littleton, CO 80120  
ATTN: Bill Goff

**Bontrager RT 2-29**

Job Ticket: 51283

**DST#: 2**

Test Start: 2013.02.12 @ 14:18:00

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	OSM 100m	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000ML m 10 PSI

Serial #: 8018

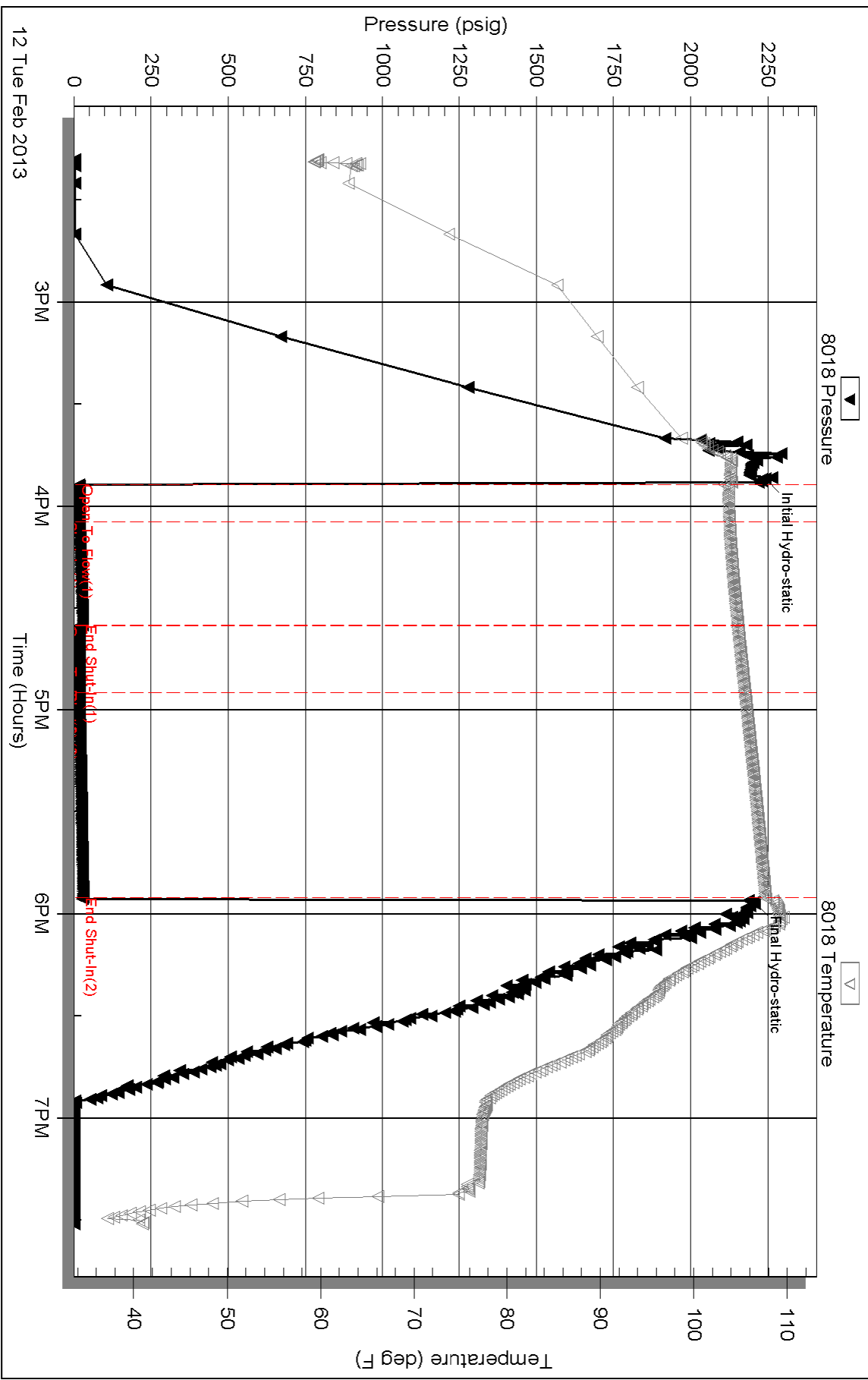
Inside

Cholla Production, LLC

Bortrager RT-2-29

DST Test Number: 2

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production, LLC

**S.29-19s-33w Scott, KS**

7851 S. Elat iSt.  
Suite 201  
Littleton, CO 80120  
ATTN: Bill Goff

**Bontrager RT 2-29**

Job Ticket: 51284

**DST#: 3**

Test Start: 2013.02.13 @ 16:00:00

## GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:06:50

Time Test Ended: 22:24:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

**Interval: 4635.00 ft (KB) To 4690.00 ft (KB) (TVD)**

Reference Elevations: 2991.00 ft (KB)

Total Depth: 4690.00 ft (KB) (TVD)

2986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8018**

**Inside**

Press @RunDepth: 26.79 psig @ 4638.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.13

End Date: 2013.02.13

Last Calib.: 2013.02.13

Start Time: 16:00:02

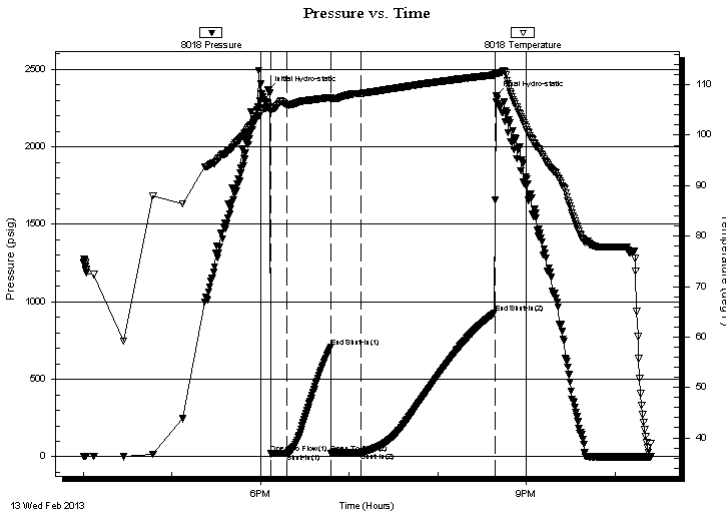
End Time: 22:24:20

Time On Btm: 2013.02.13 @ 18:04:50

Time Off Btm: 2013.02.13 @ 20:39:39

**TEST COMMENT:** 1/4" Blow .  
No return.  
No blow .  
No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.16	105.51	Initial Hydro-static
2	19.79	104.63	Open To Flow (1)
13	22.35	106.03	Shut-In(1)
43	710.24	107.50	End Shut-In(1)
43	24.32	107.02	Open To Flow (2)
64	26.79	108.26	Shut-In(2)
154	928.33	111.94	End Shut-In(2)
155	2329.60	112.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100m	0.05

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cholla Production, LLC

**S.29-19s-33w Scott, KS**

7851 S. Elat iSt.  
Suite 201  
Littleton, CO 80120  
ATTN: Bill Goff

**Bontrager RT 2-29**

Job Ticket: 51284

**DST#: 3**

Test Start: 2013.02.13 @ 16:00:00

## 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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

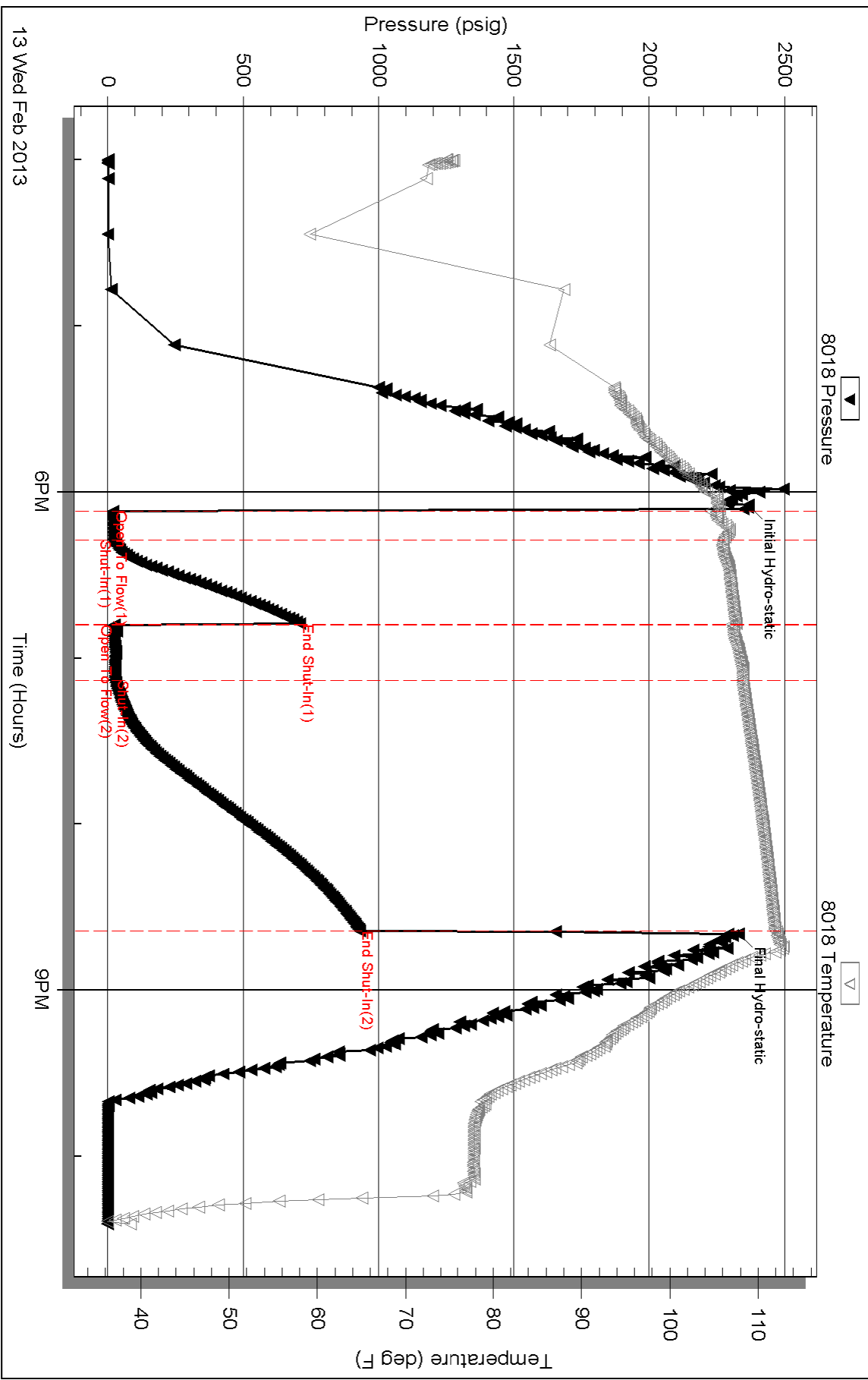
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000 ML osm 100 PSI

# Pressure vs. Time



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 19, 2013

Emily Hundley-Goff  
Cholla Production, LLC  
10390 W. Bradford Rd, Ste 201  
LITTLETON, CO 80127

Re: ACO1  
API 15-171-20921-00-00  
Bontrager RT 2-29  
SW/4 Sec.29-19S-33W  
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,  
Emily Hundley-Goff