

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

November 2016

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Cholla Production, LLC
Well Name	K. Schlegel 1-14
Doc ID	1273406

All Electric Logs Run

Caliper
Array Induction Shallow Focused Electric Log
Comp Sonic
Micro
Comp Den/Comp Neut/Micro Res

JOB LOG

SWIFT Services, Inc.

DATE 12-16-15 PAGE NO.

CUSTOMER
Cholla Production

WELL NO.
14-1

LEASE
K. Schelgal

JOB TYPE
PTA

TICKET NO.
29135

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				DP	C	DP	CASING	
	0300					DP		on location
								RTD- 4550 4 1/2" DP "x" hdx 7 7/8" Hdx 600' 8 7/8 270 sks 60/40 4% 4 1/2" Hdx
	0405	4 1/2	13	✓		200		mix 50 sks 60/40 4% @ 1660'
		4 1/2	20	✓		200		Displace Cement
	0450	4 1/2	21	✓		200		mix 80 sks 60/40 4% @ 870'
		4 1/2	7 1/2	✓		200		Displace Cement
	0505	4 1/2	13	✓		150		mix 50 sks 60/40 4% @ 630'
		4 1/2	6	✓		150		Displace Cement
	0535	4 1/2	10 1/2	✓		150		mix 40 sks 60/40 4% @ 200'
		4 1/2	1/2	✓		150		Displace Cement
	0650	4 1/2	5 1/2	✓		100		mix 20 sks 60/40 4% @ 60'
	0700	3	8	✓		∅		Plug BH 30 sks
								* 270 sks total *
								wash up trucks
	0730							Job Complete

Thanks You
Dave John Issac



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production LLC
 10390 Bradford Rd
 Suite 201
 Littleton Co 80127
 ATTN: EmilyHundleyGolf

14-20s-25w Ness

K.Schlegel 1-14

Job Ticket: 64912

DST#: 1

Test Start: 2015.12.13 @ 07:50:29

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:10:39

Time Test Ended: 15:28:23

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 4398.00 ft (KB) To 4465.00 ft (KB) (TVD)

Total Depth: 4465.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2408.00 ft (KB)

2400.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 23.67 psig @ 4400.00 ft (KB)

Start Date: 2015.12.13

End Date: 2015.12.13

Start Time: 07:50:29

End Time: 15:28:23

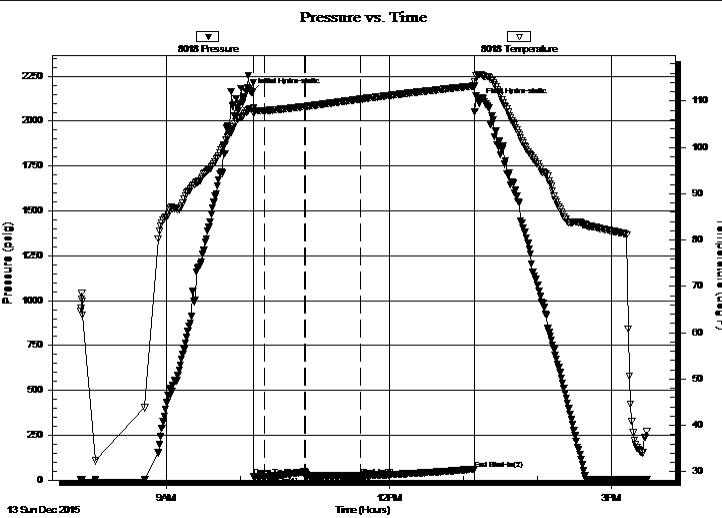
Capacity: 8000.00 psig

Last Calib.: 2015.12.13

Time On Btm: 2015.12.13 @ 10:08:39

Time Off Btm: 2015.12.13 @ 13:12:38

TEST COMMENT: 10-IFP-w k bl thru-out 1/4" to 1" bl
 30-ISIP-no bl
 45-FFP-no bl 1st 20min, then surface bl thru-out
 90-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.95	108.29	Initial Hydro-static
2	22.25	107.33	Open To Flow (1)
11	22.53	107.92	Shut-In(1)
43	45.48	108.80	End Shut-In(1)
44	22.03	108.80	Open To Flow (2)
88	23.67	110.38	Shut-In(2)
180	61.30	113.23	End Shut-In(2)
184	2101.87	115.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC
10390 Bradford Rd
Suite 201
Littleton Co 80127
ATTN: EmilyHundleyGolf

14-20s-25w Ness

K.Schlegel 1-14

Job Ticket: 64912

DST#: 1

Test Start: 2015.12.13 @ 07:50:29

GENERAL INFORMATION:

Formation: Miss
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:10:39
Time Test Ended: 15:28:23
Interval: 4398.00 ft (KB) To 4465.00 ft (KB) (TVD)
Total Depth: 4465.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches **Hole Condition:** Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 70
Reference Elevations: 2408.00 ft (KB)
 2400.00 ft (CF)
KB to GR/CF: 8.00 ft

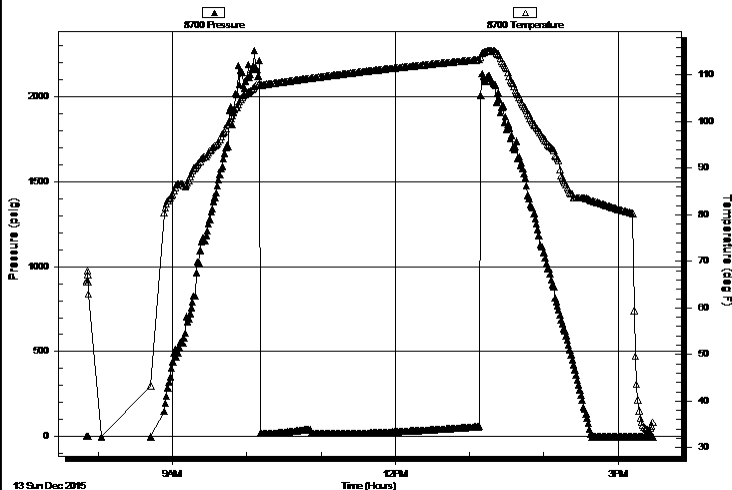
Serial #: 8700

Outside

Press @ Run Depth: psig @ 4400.00 ft (KB) **Capacity:** 8000.00 psig
Start Date: 2015.12.13 **End Date:** 2015.12.13 **Last Calib.:** 2015.12.13
Start Time: 07:50:24 **End Time:** 15:28:18 **Time On Btm:**
Time Off Btm:

TEST COMMENT: 10-IFP-w k bl thru-out 1/4"to 1"bl
30-ISIP-no bl
45-FFP-no bl 1st 20min, then surface bl thru-out
90-FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

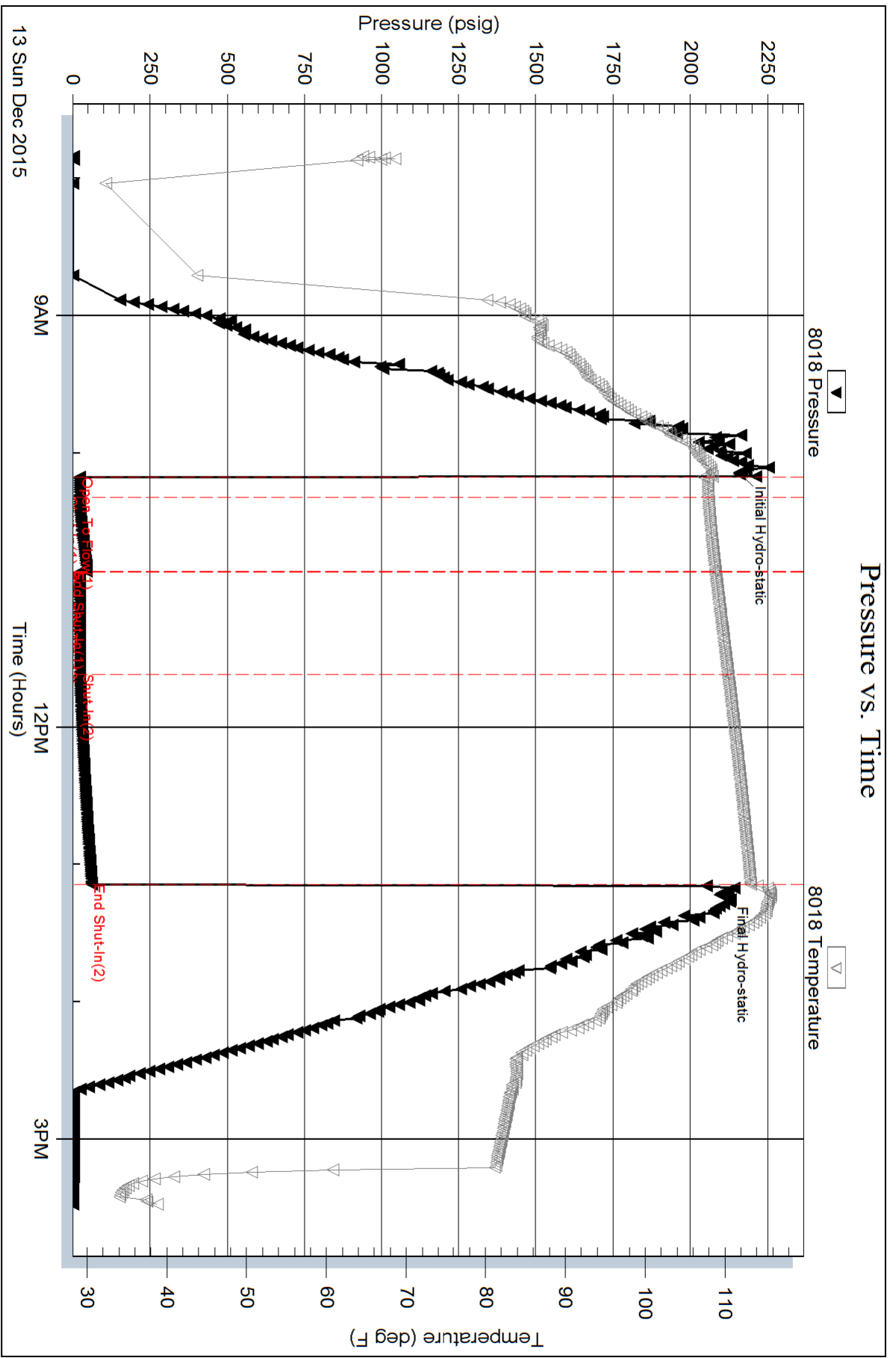
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

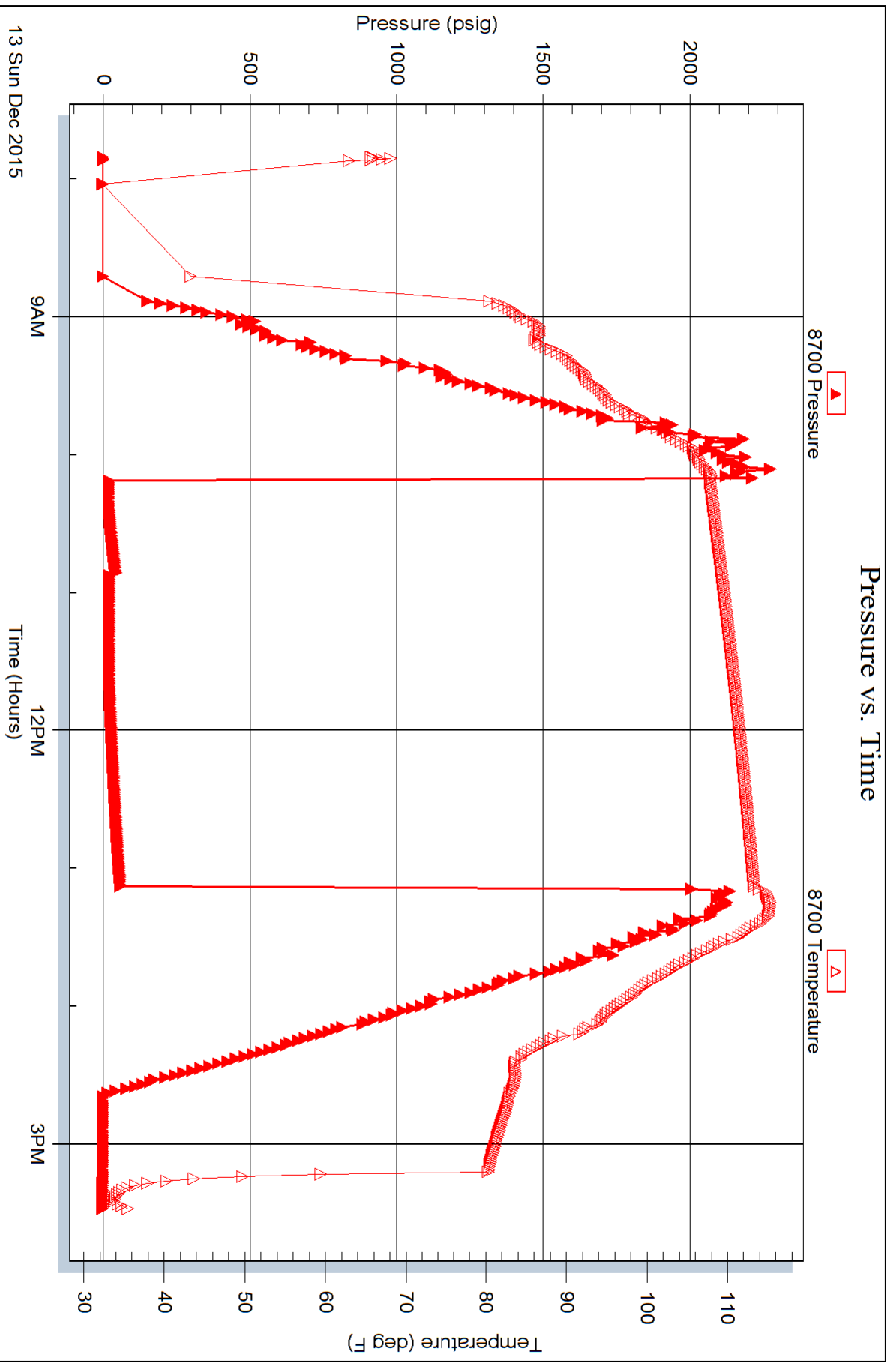
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cholla Production LLC
 10390 Bradford Rd
 Suite 201
 Littleton Co 80127
 ATTN: EmilyHundleyGolf

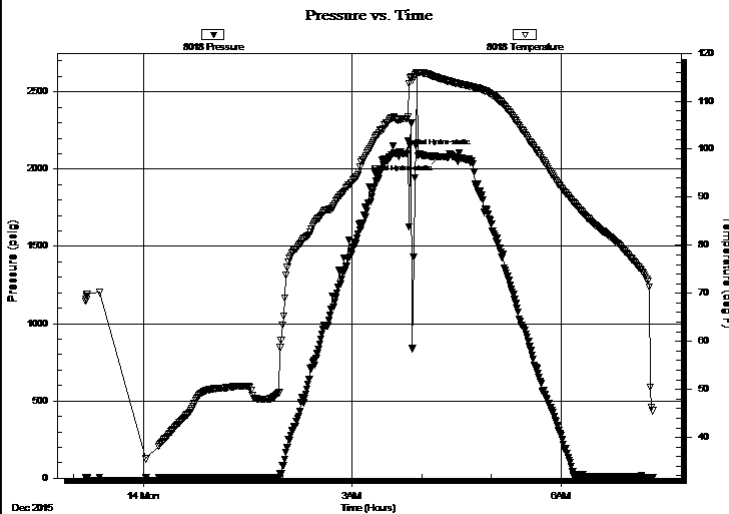
14-20s-25w Ness
K.Schlegel 1-14
 Job Ticket: 64913 **DST#: 2**
 Test Start: 2015.12.13 @ 23:10:19

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:45:00
 Time Test Ended: 07:19:28
 Interval: **4465.00 ft (KB) To 4475.00 ft (KB) (TVD)**
 Total Depth: 4475.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2408.00 ft (KB)
 2400.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8018 Inside
 Press@RunDepth: psig @ 4467.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.12.13 End Date: 2015.12.14 Last Calib.: 2015.12.14
 Start Time: 23:10:19 End Time: 07:19:28 Time On Btm: 2015.12.14 @ 03:42:43
 Time Off Btm: 2015.12.14 @ 04:14:43

TEST COMMENT: IFP-could not get to bottom ,
 Approx 20' of fill on bottom
 pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.78	106.36	Initial Hydro-static
32	2081.03	114.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.30

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

14-20s-25w Ness

10390 Bradford Rd
Suite 201
Littleton Co 80127
ATTN: EmilyHundleyGolf

K.Schlegel 1-14

Job Ticket: 64913

DST#: 2

Test Start: 2015.12.13 @ 23:10:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

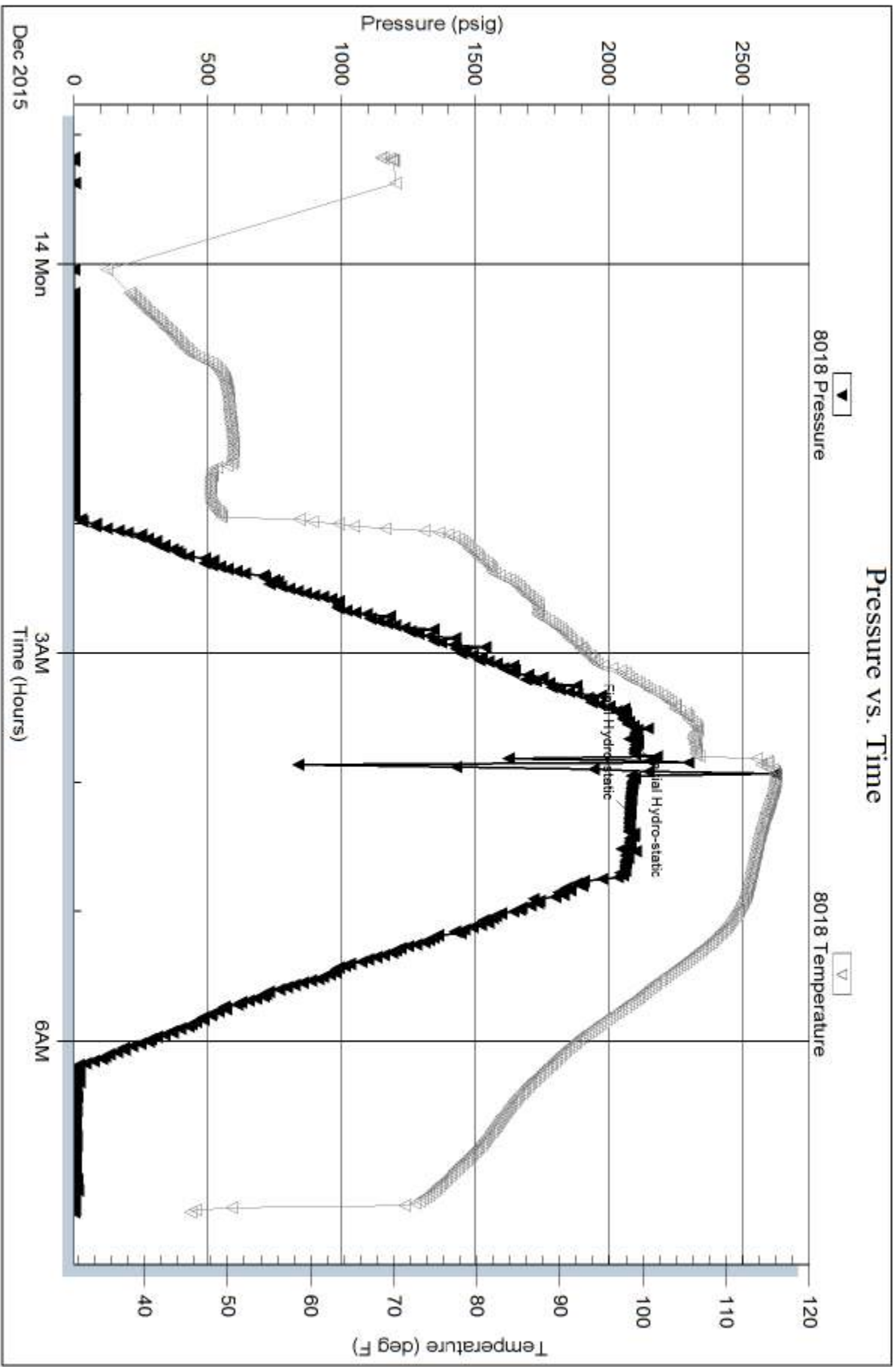
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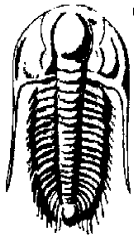
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production LLC
 10390 Bradford Rd
 Suite 201
 Littleton Co 80127
 ATTN: EmilyHundleyGolf

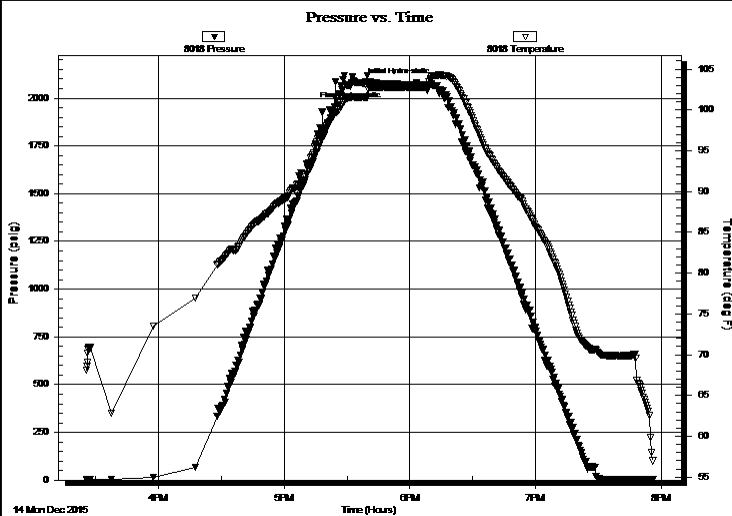
14-20s-25w Ness
K.Schlegel 1-14
 Job Ticket: 64914 **DST#: 3**
 Test Start: 2015.12.14 @ 15:25:59

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:40:00
 Time Test Ended: 19:55:53
Interval: 4465.00 ft (KB) To 4475.00 ft (KB) (TVD)
 Total Depth: 4475.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2408.00 ft (KB)
 2400.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8018 Inside
 Press @ Run Depth: psig @ 4466.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.12.14 End Date: 2015.12.14 Last Calib.: 2015.12.14
 Start Time: 15:25:59 End Time: 19:55:53 Time On Btm: 2015.12.14 @ 17:36:39
 Time Off Btm: 2015.12.14 @ 17:49:24

TEST COMMENT: IFP- had Approx 20' Fill in hole ,could not get to bottom pulled tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.30	101.56	Initial Hydro-static
13	2075.26	102.72	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC

14-20s-25w Ness

10390 Bradford Rd

K.Schlegel 1-14

Suite 201

Job Ticket: 64914

DST#: 3

Littleton Co 80127

ATTN: EmilyHundleyGolf

Test Start: 2015.12.14 @ 15:25:59

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: 38.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data : 0 PSI 0 Fluid

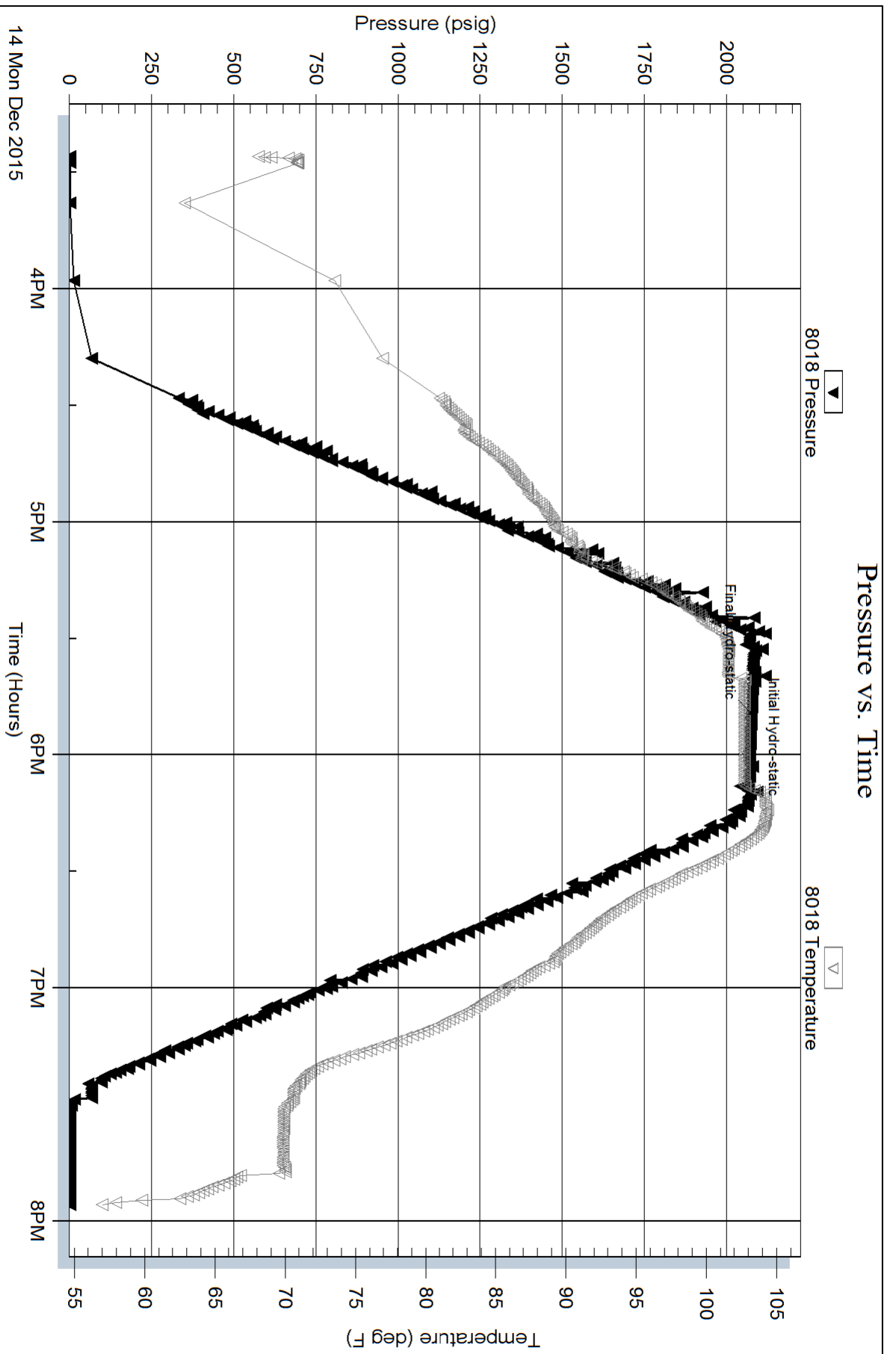
Serial #: 8018

Inside

Cholla Production LLC

K.Schlegel 1-14

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC
10390 Bradford Rd
Suite 201
Littleton Co 80127
ATTN: Bill Golf, Justin Ca

14-20s-25w Ness

K.Schlegel 1-14

Job Ticket: 64915

DST#: 4

Test Start: 2015.12.15 @ 13:45:52

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:51:17
 Time Test Ended: 21:18:31
 Interval: **4472.00 ft (KB) To 4486.00 ft (KB) (TVD)**
 Total Depth: 4550.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2408.00 ft (KB)
 2400.00 ft (CF)
 KB to GR/CF: 8.00 ft

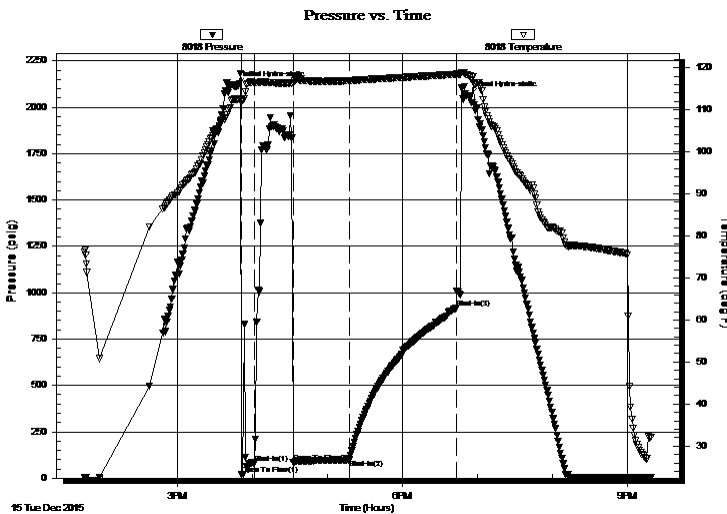
Serial #: 8018

Inside

Press @ Run Depth: psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.12.15 End Date: 2015.12.15 Last Calib.: 2015.12.15
 Start Time: 13:45:52 End Time: 21:18:31 Time On Btm: 2015.12.15 @ 15:47:32
 Time Off Btm: 2015.12.15 @ 18:53:16

TEST COMMENT: 10-IFP-surface to 3"bl, slid tool approx 10'to bottom
 30-ISIP-no bl
 45-FFP-w k bl thru-out 1/2"to 1"bl
 90-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.47	112.57	Initial Hydro-static
4	19.46	111.93	Open To Flow (1)
14	82.33	116.39	Shut-In(1)
45	85.96	116.39	Open To Flow (2)
90	99.37	116.94	Shut-In(2)
176	916.74	118.45	Shut-In(3)
186	2061.33	118.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	WM 40%W60%M	1.01

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production LLC
 10390 Bradford Rd
 Suite 201
 Littleton Co 80127
 ATTN: Bill Golf, Justin Ca

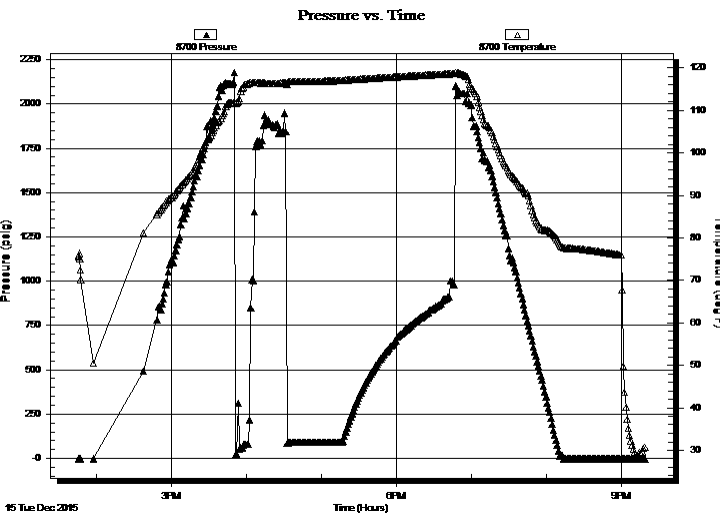
14-20s-25w Ness
K.Schlegel 1-14
 Job Ticket: 64915 **DST#: 4**
 Test Start: 2015.12.15 @ 13:45:52

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:51:17
 Time Test Ended: 21:18:31
 Interval: **4472.00 ft (KB) To 4486.00 ft (KB) (TVD)**
 Total Depth: 4550.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2408.00 ft (KB)
 2400.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8700 Outside
 Press @ Run Depth: psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.12.15 End Date: 2015.12.15 Last Calib.: 2015.12.15
 Start Time: 13:45:59 End Time: 21:18:38 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10-IFP-surface to 3"bl, slid tool approx 10'to bottom
 30-ISIP-no bl
 45-FFP-w k bl thru-out 1/2"to 1"bl
 90-FSIP-no bl

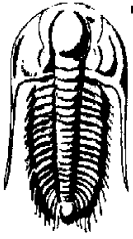


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
150.00	WM 40%W60%M	1.01

* Recovery from multiple tests

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



TRILOBITE
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DRILL STEM TEST REPORT

Cholla Production LLC
10390 Bradford Rd
Suite 201
Littleton Co 80127
ATTN: Bill Golf, Justin Ca

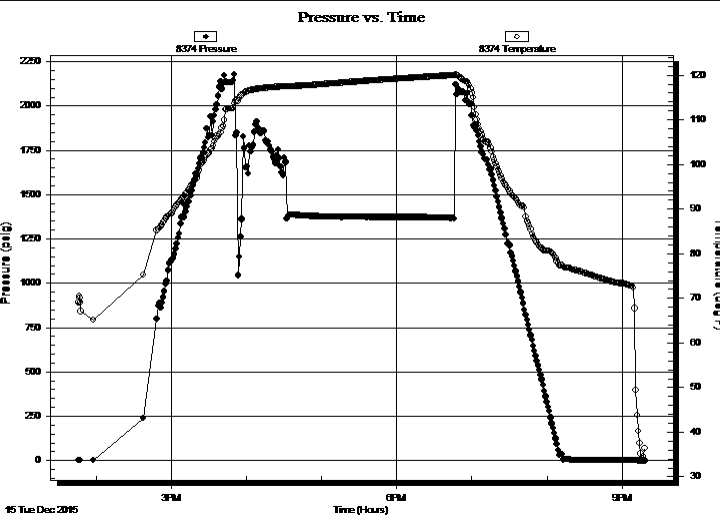
14-20s-25w Ness
K.Schlegel 1-14
Job Ticket: 64915 **DST#: 4**
Test Start: 2015.12.15 @ 13:45:52

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 15:51:17 Tester: Ray Schwager
Time Test Ended: 21:18:31 Unit No: 70
Interval: 4472.00 ft (KB) To 4486.00 ft (KB) (TVD) Reference Elevations: 2408.00 ft (KB)
Total Depth: 4550.00 ft (KB) (TVD) 2400.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8374 Below (Straddle)
Press @ Run Depth: psig @ 4518.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.12.15 End Date: 2015.12.15 Last Calib.: 2015.12.15
Start Time: 13:45:31 End Time: 21:18:10 Time On Btm:
Time Off Btm:

TEST COMMENT: 10-IFP-surface to 3"bl , slid tool approx 10'to bottom
30-ISIP-no bl
45-FFP-w k bl thru-out 1/2"to 1"bl
90-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
150.00	WM 40%W60%M	1.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC

14-20s-25w Ness

10390 Bradford Rd
Suite 201
Littleton Co 80127
ATTN: Bill Golf, Justin Ca

K.Schlegel 1-14

Job Ticket: 64915

DST#: 4

Test Start: 2015.12.15 @ 13:45:52

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:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 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
150.00	WM 40%W60%M	1.011

Total Length: 150.00 ft Total Volume: 1.011 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .23@65F Sampler Data: 50PSI 800ML Water
1200ML Mud

