



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1077497

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 510

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date	11/2/11	Sec.	35	Twp.	19	Range	20	County	Rush	State	KS	On Location	Finish	5:00 AM
Lease	MILLER	Well No.	1-35			Location Nckoma, HW, 85, E into								

Contractor	Ww Drilling Rig #10	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job	Surface	Charge To	Cholla Production, LLC
Hole Size	12 1/4"	T.D.	599'
Csg.	8 5/8" 23#	Depth	599'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	20'	Shoe Joint	
Meas Line		Displace	37 Bbls.
		The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered 250 sx Com 3% CU 2% gel	

**EQUIPMENT**

Pumptrk	9	No.	Cementer	Paul	Common
			Helper		
Bulktrk	8	No.	Driver	Matt	Poz. Mix
			Driver		
Bulktrk	PJ	No.	Driver	Brian	Gel.
			Driver		

**JOB SERVICES & REMARKS**

Remarks:		Calcium
Rat Hole		Hulls
Mouse Hole		Salt
Centralizers		Flowseal
Baskets		Kol-Seal
D/V or Port Collar		Mud CLR 48
Est Circ.		CFL-117 or CD110 CAF 38
Mix 250 sx		Sand
Displace		Handling
Cement Circulated		Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	8 5/8"
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Head + Manifold	
Rubber Plug	
Pumptrk Charge	
Mileage	

Thank You!!!

Tax	
Discount	
Total Charge	

X Signature *[Signature]*

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 063

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

Date <u>11-10-11</u>	Sec. <u>35</u>	Twp. <u>19</u>	Range <u>20</u>	County <u>Rush</u>	State <u>KS</u>	On Location	Finish <u>9:45 PM</u>
Lease <u>Miller</u>	Well No. <u>1-35</u>		Location <u>Nekoma 4w 8 1/2s Finto</u>				

Contractor <u>WV #10</u>	Owner
Type Job <u>Retail Plug</u>	To Quality Oilwell Cementing, Inc.
Hole Size <u>7 1/8</u>	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Csg. T.D. <u>4550</u>	Charge To <u>Cholla</u>
Tbg. Size	Street
Tool	City State
Cement Left in Csg.	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Cement Amount Ordered <u>150 60/40 40/60 1/4 #10</u>

**EQUIPMENT**

Pumptrk <u>5</u> No. Cementer <u>raig</u>	Common
Bulktrk No. Driver <u>Drett</u>	Poz. Mix
Bulktrk <u>8</u> No. Driver <u>Brian</u>	Gel.
	Calcium

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole <u>30SK</u>	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<u>1st 150 50SK</u>	Sand
<u>2nd 630 50SK</u>	Handling
<u>3rd 60 20SK</u>	Mileage

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge
	Mileage

Tax
Discount
Total Charge

X Signature [Signature]



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production LLC

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45282

**DST#: 1**

ATTN: Clayton Erickson

Test Start: 2011.11.07 @ 17:27:25

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:13:50

Time Test Ended: 22:28:04

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 35

**Interval: 4236.00 ft (KB) To 4265.00 ft (KB) (TVD)**

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4265.00 ft (KB) (TVD)

2271.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8373 Inside**

Press @ Run Depth: 20.53 psig @ 4237.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.07

End Date:

2011.11.07

Last Calib.: 2011.11.07

Start Time: 17:27:25

End Time:

22:28:04

Time On Btm: 2011.11.07 @ 19:12:20

Time Off Btm: 2011.11.07 @ 20:44:35

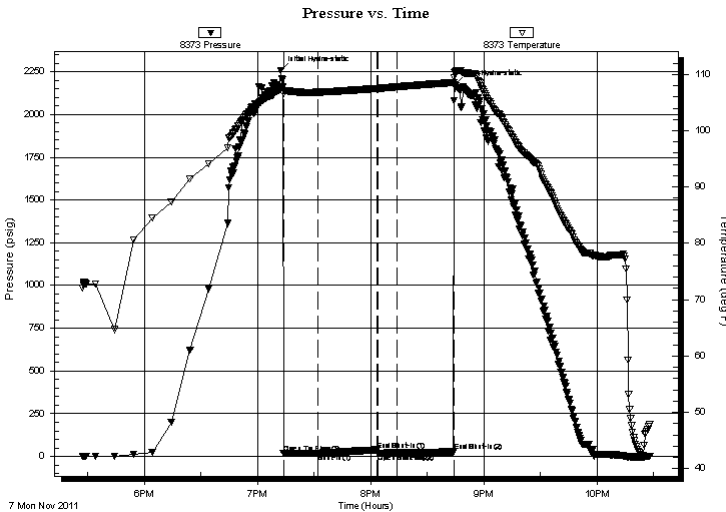
**TEST COMMENT:** IF: 1/4 blow died in 11 min.

IS: No return.

FF: No blow.

FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.17	107.47	Initial Hydro-static
2	17.83	106.62	Open To Flow (1)
20	19.88	106.83	Shut-In(1)
51	38.70	107.48	End Shut-In(1)
52	19.99	107.47	Open To Flow (2)
62	20.53	107.80	Shut-In(2)
92	28.00	108.55	End Shut-In(2)
93	2177.02	110.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cholla Production LLC

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45282

**DST#: 1**

ATTN: Clayton Erickson

Test Start: 2011.11.07 @ 17:27:25

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

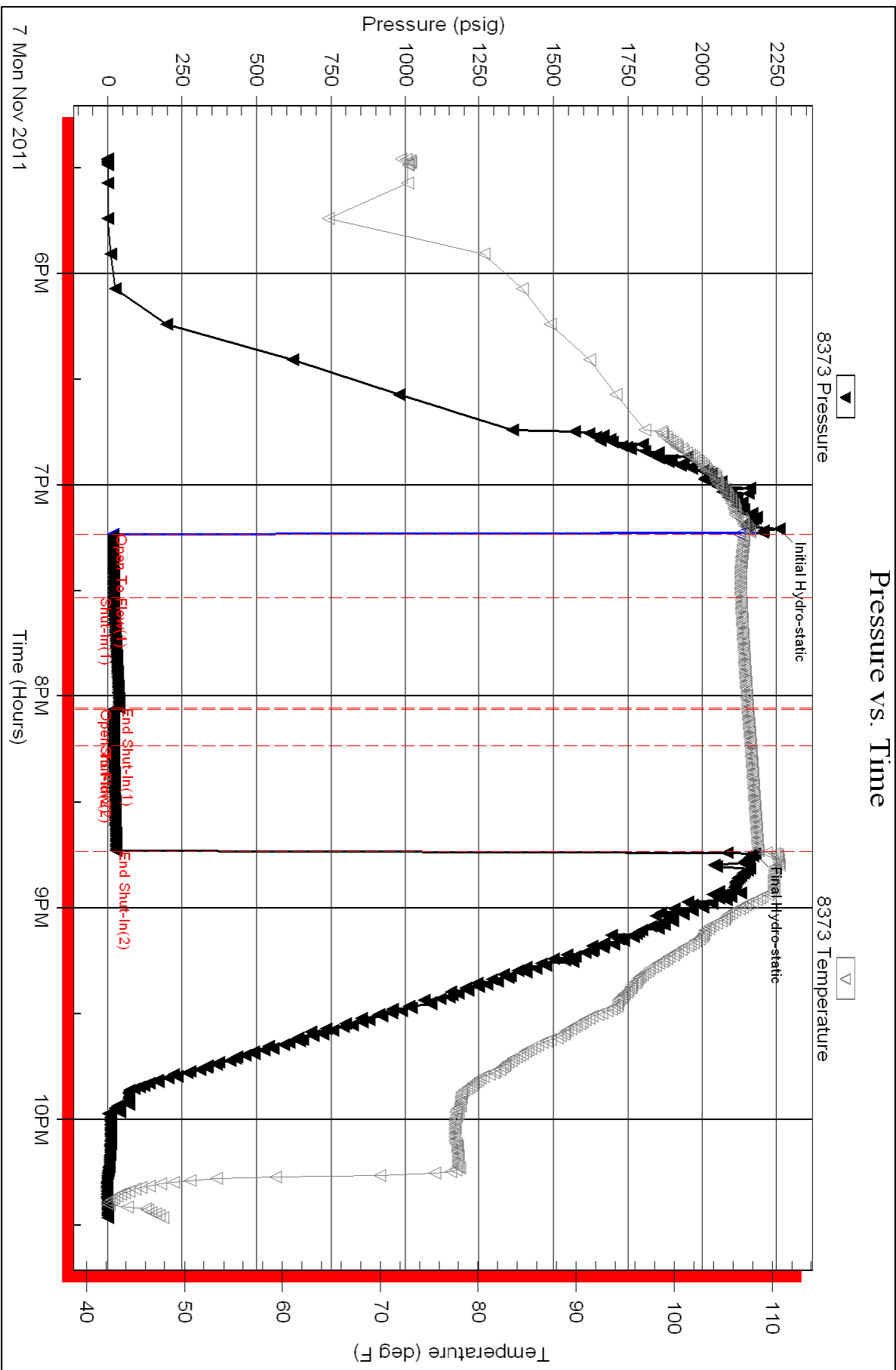
Serial #: 8373

Inside

Cholla Production LLC

Miller 1-35

DST Test Number: 1





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production LLC

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45283

**DST#: 2**

ATTN: Clayton Erickson

Test Start: 2011.11.10 @ 00:30:22

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:27:32

Time Test Ended: 06:57:46

Test Type: Conventional Straddle (Reset)

Tester: Brandon Turley

Unit No: 35

**Interval: 4234.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

2271.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 751.47 psig @ 4235.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.10

End Date:

2011.11.10

Last Calib.: 2011.11.10

Start Time: 00:30:22

End Time:

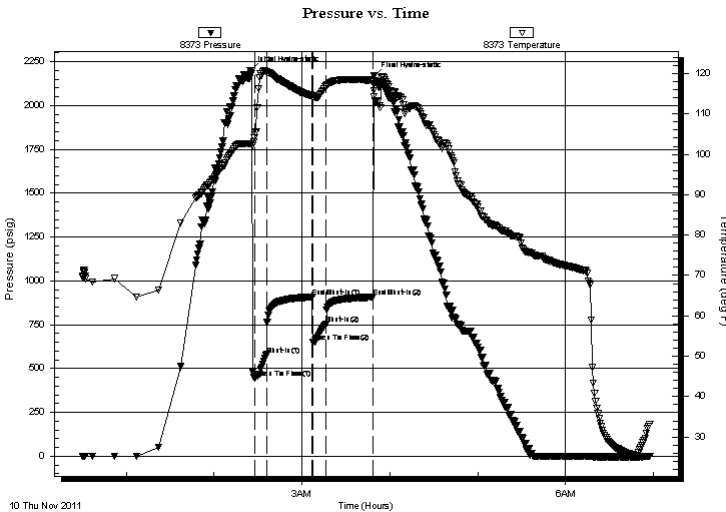
06:57:46

Time On Btm: 2011.11.10 @ 02:24:47

Time Off Btm: 2011.11.10 @ 03:49:17

**TEST COMMENT:** IF: BOB in 1 min.  
IS: No return.  
FF: BOB in 2 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.22	102.55	Initial Hydro-static
3	444.58	104.06	Open To Flow (1)
12	579.50	120.21	Shut-In(1)
43	908.86	114.54	End Shut-In(1)
43	650.74	114.33	Open To Flow (2)
52	751.47	116.72	Shut-In(2)
84	907.02	118.32	End Shut-In(2)
85	2167.05	114.21	Final Hydro-static

## Recovery

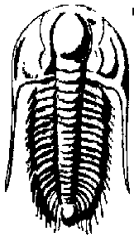
Length (ft)	Description	Volume (bbl)
434.00	mcw 5%w 95% m	4.98
434.00	mcw 80%w 20% m	6.09
248.00	w cm 40%w 60% m	3.48
382.00	mud 100% m	5.36

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production LLC  
 7851 A Elati St Ste 201  
 Littleton, Co 80120  
 ATTN: Clayton Erickson

**35-19s-20w Rush**  
**Miller 1-35**  
 Job Ticket: 45283 **DST#: 2**  
 Test Start: 2011.11.10 @ 00:30:22

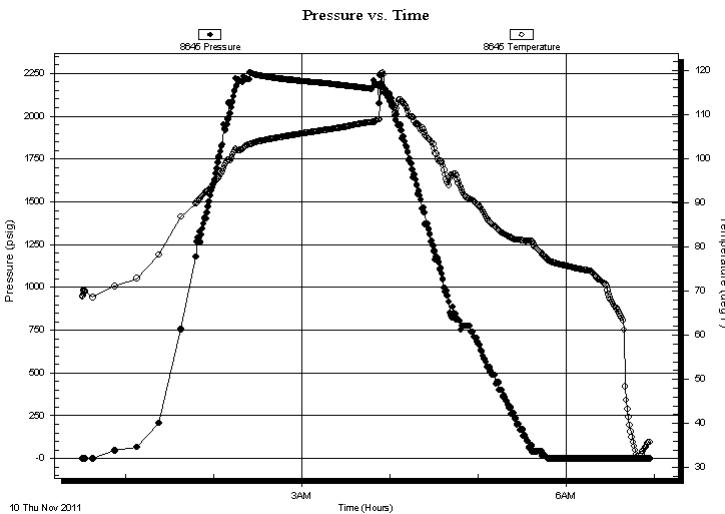
## GENERAL INFORMATION:

Formation: **Cherokee**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 02:27:32 Tester: Brandon Turley  
 Time Test Ended: 06:57:46 Unit No: 35  
**Interval: 4234.00 ft (KB) To 4350.00 ft (KB) (TVD)** Reference Elevations: 2276.00 ft (KB)  
 Total Depth: 4552.00 ft (KB) (TVD) 2271.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8645 Below (Straddle)**  
 Press @ Run Depth: psig @ 4356.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.11.10 End Date: 2011.11.10 Last Calib.: 1899.12.30  
 Start Time: 00:31:11 End Time: 06:57:05 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: BOB in 1 min.  
 IS: No return.  
 FF: BOB in 2 min.  
 FS: No return.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
434.00	mcw 5%w 95%m	4.98
434.00	mcw 80%w 20%m	6.09
248.00	w cm 40%w 60%m	3.48
382.00	mud 100%m	5.36

\* 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

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45283

**DST#: 2**

ATTN: Clayton Erickson

Test Start: 2011.11.10 @ 00:30:22

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
434.00	mcw 5%w 95%m	4.977
434.00	mcw 80%w 20%m	6.088
248.00	w cm 40%w 60%m	3.479
382.00	mud 100%m	5.358

Total Length: 1498.00 ft      Total Volume: 19.902 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

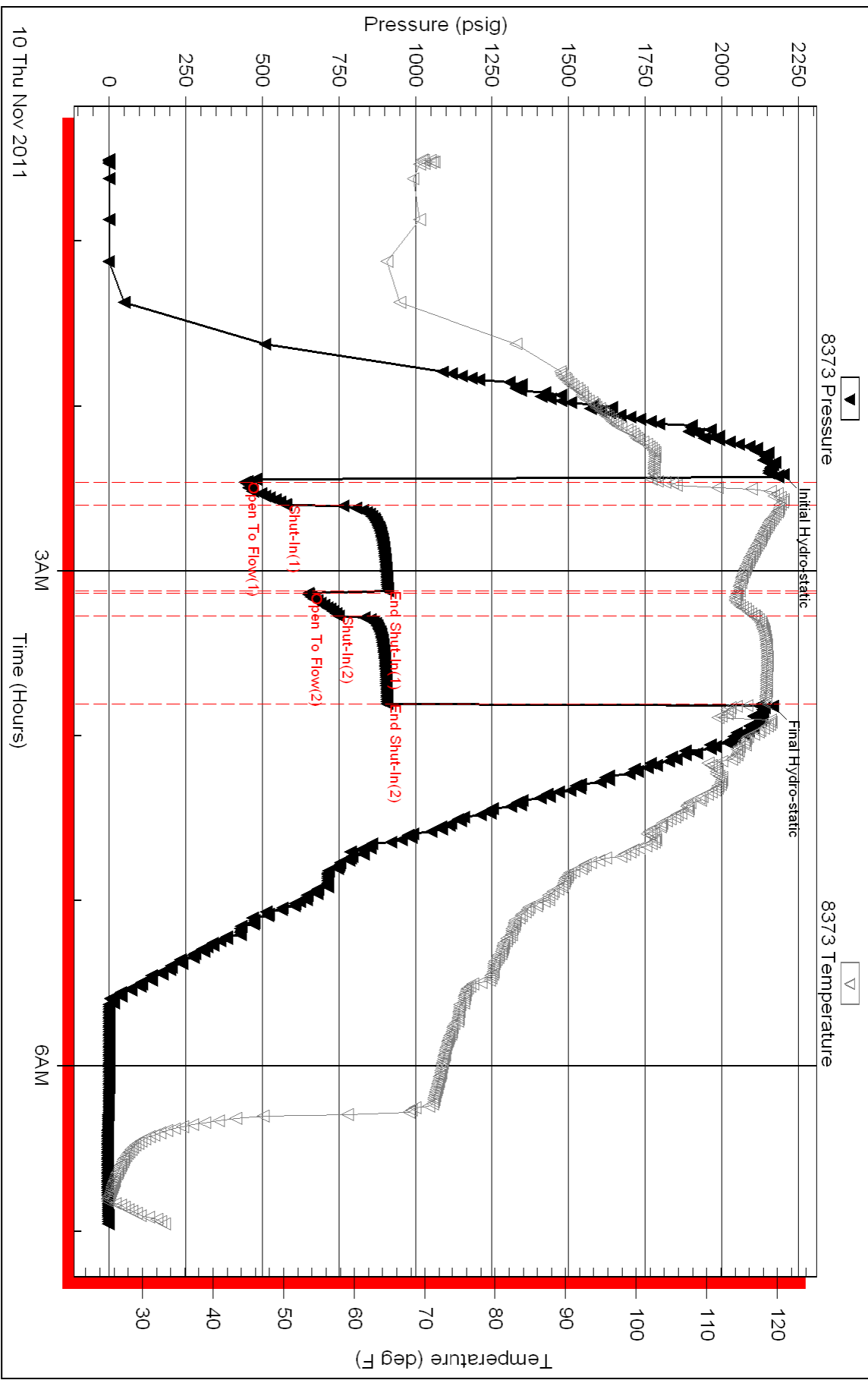
Serial #:

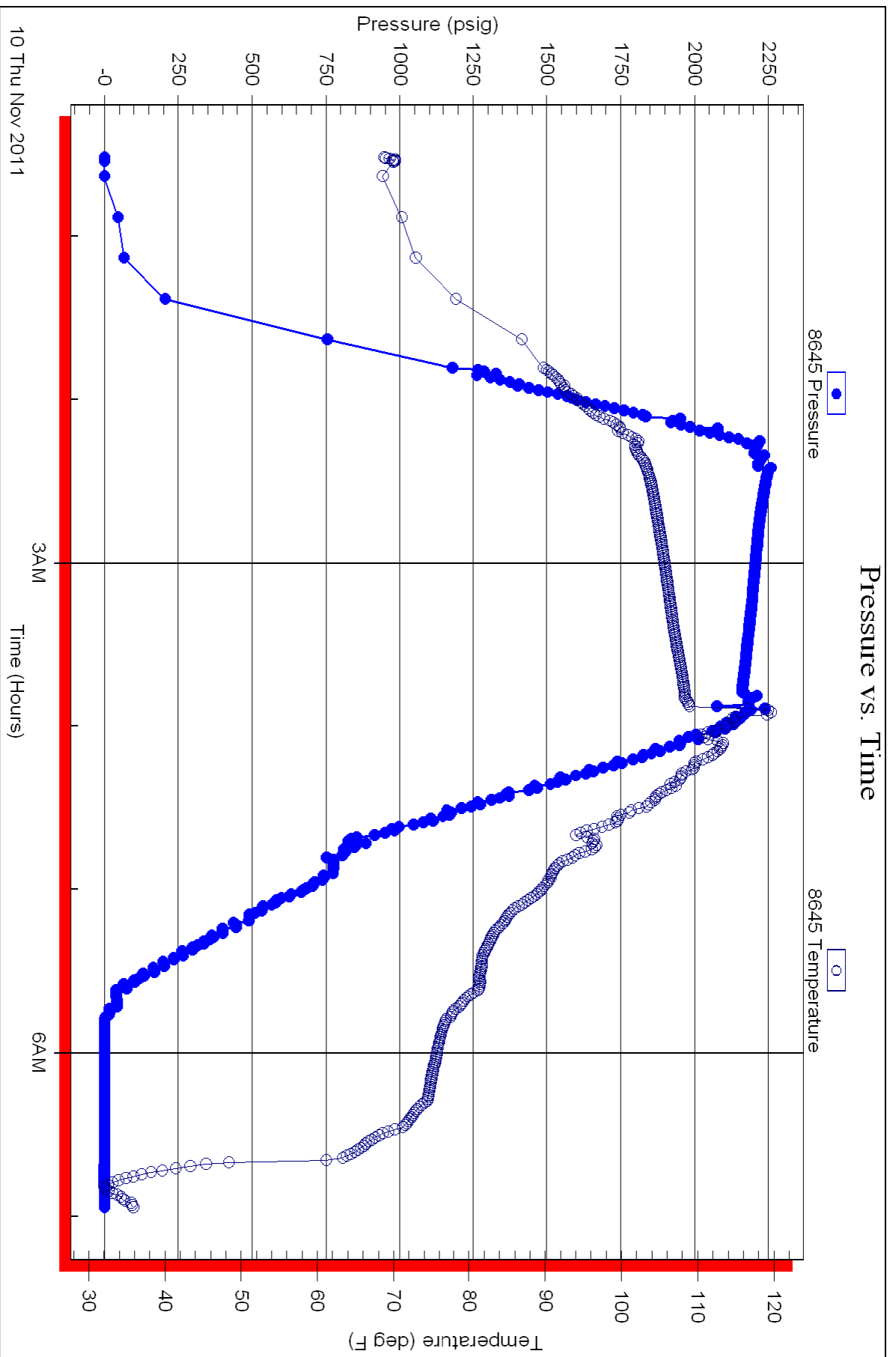
Laboratory Name:

Laboratory Location:

Recovery Comments: .34@31=50000

### Pressure vs. Time







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production LLC

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45284

**DST#: 3**

ATTN: Clayton Erickson

Test Start: 2011.11.10 @ 08:51:06

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:36

Time Test Ended: 14:21:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

**Interval: 4436.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

2271.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 478.31 psig @ 4437.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.10

End Date:

2011.11.10

Last Calib.: 2011.11.10

Start Time: 08:51:11

End Time:

14:21:05

Time On Btm: 2011.11.10 @ 10:23:36

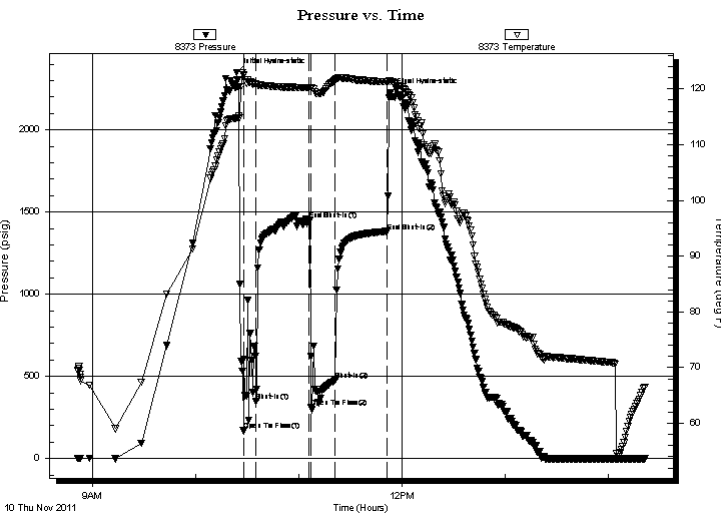
Time Off Btm: 2011.11.10 @ 11:53:06

TEST COMMENT: IF: BOB in 30 sec.

IS: No return.

FF: BOB in 3 min.

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.28	114.82	Initial Hydro-static
4	170.06	122.52	Open To Flow (1)
12	350.24	120.71	Shut-In(1)
43	1453.79	120.22	End Shut-In(1)
44	314.05	120.15	Open To Flow (2)
58	478.31	121.55	Shut-In(2)
88	1381.91	121.24	End Shut-In(2)
90	2224.09	121.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 70%w 30%m	1.50
186.00	w cm 20%w 80%m	2.61
186.00	w cm 10%w 90%m	2.61
298.00	mud 100%m	4.18

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Cholla Production LLC

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45284

**DST#: 3**

ATTN: Clayton Erickson

Test Start: 2011.11.10 @ 08:51:06

### GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:36

Time Test Ended: 14:21:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

**Interval: 4436.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 2276.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

2271.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8645 Below (Straddle)**

Press @ Run Depth: psig @ 4482.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.10

End Date:

2011.11.10

Last Calib.:

2011.11.10

Start Time: 08:51:57

End Time:

14:20:36

Time On Btm:

Time Off Btm:

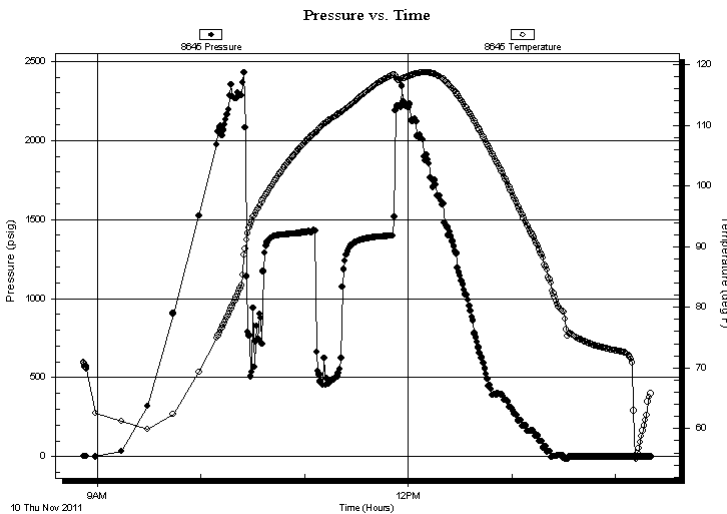
TEST COMMENT: IF: BOB in 30 sec.

IS: No return.

FF: BOB in 3 min.

FS: No return.

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 70%w 30%m	1.50
186.00	w cm 20%w 80%m	2.61
186.00	w cm 10%w 90%m	2.61
298.00	mud 100%m	4.18

### 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

**35-19s-20w Rush**

7851 A Elati St Ste 201  
Littleton, Co 80120

**Miller 1-35**

Job Ticket: 45284

**DST#: 3**

ATTN: Clayton Erickson

Test Start: 2011.11.10 @ 08:51:06

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	mcw 70%w 30%m	1.498
186.00	w cm 20%w 80%m	2.609
186.00	w cm 10%w 90%m	2.609
298.00	mud 100%m	4.180

Total Length: 856.00 ft      Total Volume: 10.896 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .37@60=22000

# Pressure vs. Time

