



KANSAS CORPORATION COMMISSION 1077497
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31819
Name: Cholla Production, LLC
Address 1: 7851 S ELATI ST STE 201
Address 2: _____
City: LITTLETON State: CO Zip: 80120 + 8081
Contact Person: Emily Hundley-Goff
Phone: (303) 623-4565
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Bill Goff
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

<u>11/02/2011</u>	<u>11/09/2011</u>	<u>11/10/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-165-21951-00-00

Spot Description: _____
NE_NW_SW_NW Sec. 35 Twp. 19 S. R. 20 East West
1630 Feet from North / South Line of Section
580 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Rush

Lease Name: MILLER Well #: 1-35

Field Name: _____

Producing Formation: None-Dry Hole

Elevation: Ground: 2271 Kelly Bushing: 2273

Total Depth: 4550 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 598 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: 16400 ppm Fluid volume: 850 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NAOMI JAMES Date: 03/30/2012



1077497

Operator Name: Cholla Production, LLC Lease Name: MILLER Well #: 1-35
 Sec. 35 Twp. 19 S. R. 20 East West County: Rush

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 checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction, Dual Comp, Micro, Borehole Comp Sonic	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1435</td> <td>833</td> </tr> <tr> <td>Heebner</td> <td>3747</td> <td>-1474</td> </tr> <tr> <td>Lansing</td> <td>3784</td> <td>-1511</td> </tr> <tr> <td>BKC</td> <td>4120</td> <td>-1847</td> </tr> <tr> <td>Cherokee</td> <td>4237</td> <td>-1961</td> </tr> </table>	Name	Top	Datum	Anhydrite	1435	833	Heebner	3747	-1474	Lansing	3784	-1511	BKC	4120	-1847	Cherokee	4237	-1961
Name	Top	Datum																	
Anhydrite	1435	833																	
Heebner	3747	-1474																	
Lansing	3784	-1511																	
BKC	4120	-1847																	
Cherokee	4237	-1961																	

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	599	Common	250	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	-			

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
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 (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> <i>(Submit ACO-4)</i> <input checked="" type="checkbox"/> Other (Specify) <u>P&A</u>	PRODUCTION INTERVAL: <u>None-Dry Hole</u>
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QUALITY OILWELL CFMENTING, INC.

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	Nickona, HW, 85, E into
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Contractor	Ww Drilling Rig #10	Owner	To Quality Oilwell Cementing, Inc.
Type Job	Surface	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	

Hole Size	12 1/4"	T.D.	599'	Charge To	Cholla Production, LLC
Csg.	8 5/8" 23#	Depth	599'	Street	

Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg.	20'	Shoe Joint		Cement Amount Ordered	250 sxc Com 3% CC 2% gel
Meas Line		Displace	37 Bbls.		

EQUIPMENT

Pumptrk	9	No.	Cementor	Paul
			Helper	
Bulktrk	8	No.	Driver	Matt
			Driver	
Bulktrk	PJ	No.	Driver	Brain
			Driver	

Common
Poz. Mix
Gel
Calcium
Hulls
Salt
Flowseal
Kol-Seal
Mud CLR 48
CFL-117 or CD110 CAF 38
Sand
Handling
Mileage

JOB SERVICES & REMARKS

Remarks: 1.
Rat Hole
Mouse Hole
Centralizers
Baskets
DV or Port Collar
Est Circ.
mix 250 sxc
Displace
Cement Circulated

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down
Head + Manifold
Rubber Plug

Thank You!!

Pumptrk Charge
Mileage
Tax
Discount
Total Charge

X-
Signature: [Handwritten Signature]

QUALITY OILWELL CEMENTING, INC.

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

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

No. 063

Date 11-10-11	Sec. 35	Twp. 19	Range 20	County Rush	State KS	On Location	Finish 9:45 PM
Lease Miller		Well No. 1-35		Location McKoma 4w 8 1/2 S Finto			
Contractor WV #10				Owner			
Type Job Ratrod Plug				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size 7 7/8		T.D. 4550		Charge To Challa			
Csg.		Depth		Street			
Tbg. Size		Depth		City State			
Tool		Depth		City State			
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace		Cement Amount Ordered 150 6940 40621 147710			

EQUIPMENT

Pumptrk 5	No.	Cementer Travis	Helper	Common
Bulktrk	No.	Driver Brett	Driver	Poz. Mix
Bulktrk 8	No.	Driver Brian	Driver	Gal.

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole 305K	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
151 1500 505K	Sand
2nd 630 505K	Handling
3rd 60 205K	Mileage

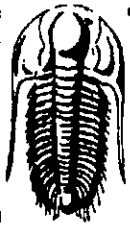
FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge
	Mileage

	Tax
	Discount
	Total Charge

Signature



**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: 45282

DST#: 1

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)**

Total Depth: **4265.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: **2276.00 ft (KB)**

2271.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8373

Inside

Press@RunDepth: 20.53 psig @ 4237.00 ft (KB)

Start Date: 2011.11.07

End Date:

2011.11.07

Capacity: 8000.00 psig

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

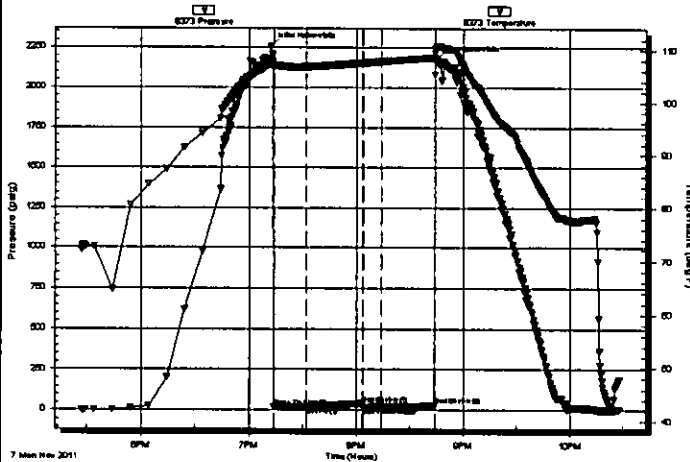
TEST COMMENT: IF: 1/4 blow died in 11 min.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

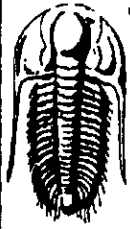
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.17	107.47	Initial Hydro-static
2	17.83	106.62	Open To Flow (1)
20	19.88	106.83	Shut-In(1)
51	38.70	107.48	End Shut-In(1)
52	19.99	107.47	Open To Flow (2)
62	20.53	107.80	Shut-In(2)
92	28.00	108.55	End Shut-In(2)
93	2177.02	110.24	Final Hydro-static

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 in³

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

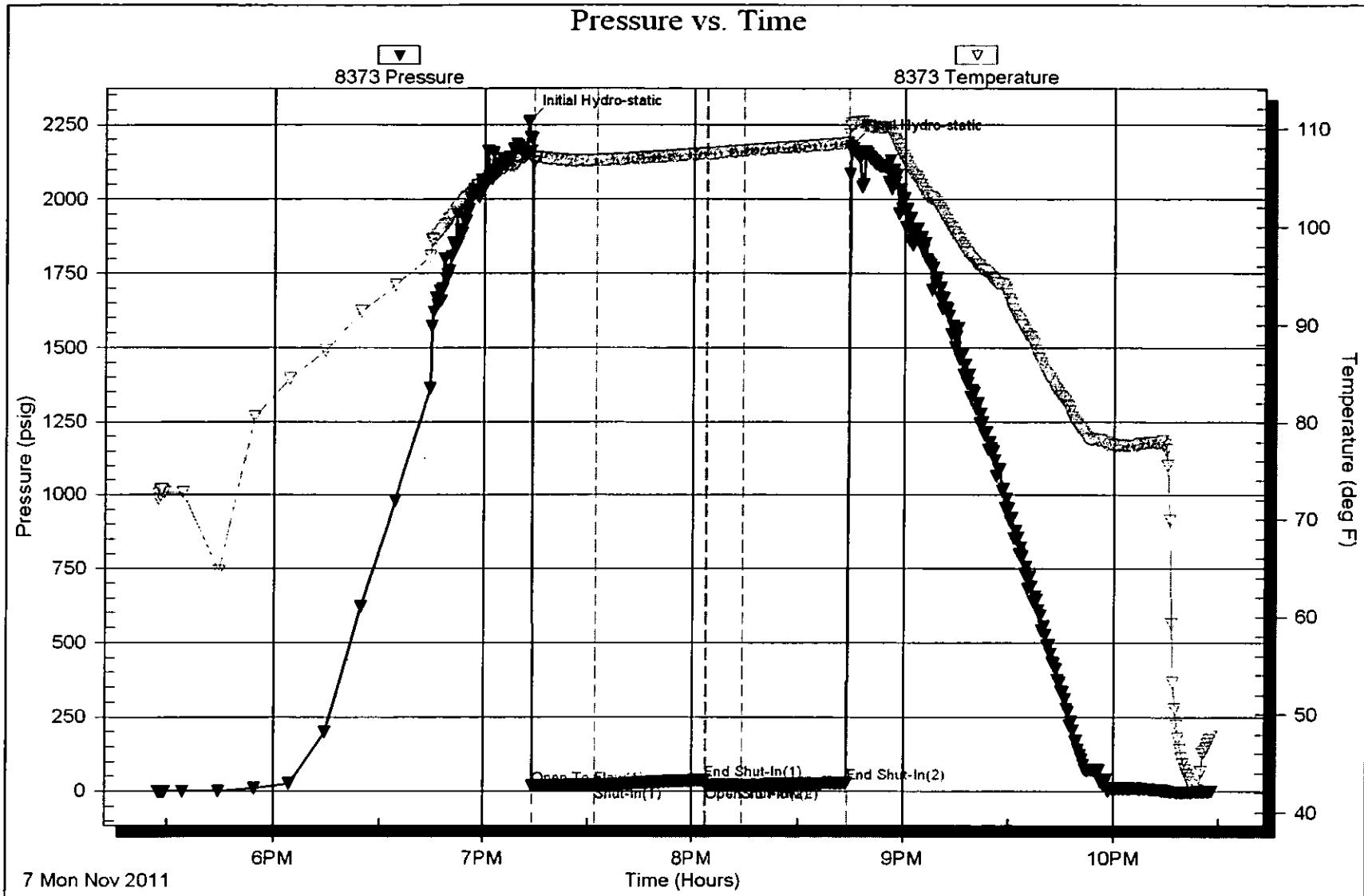
Num Gas Bombs: 0

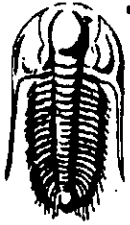
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC

35-19s-20w Rush

7851 A Eati 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@RunDepth: 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

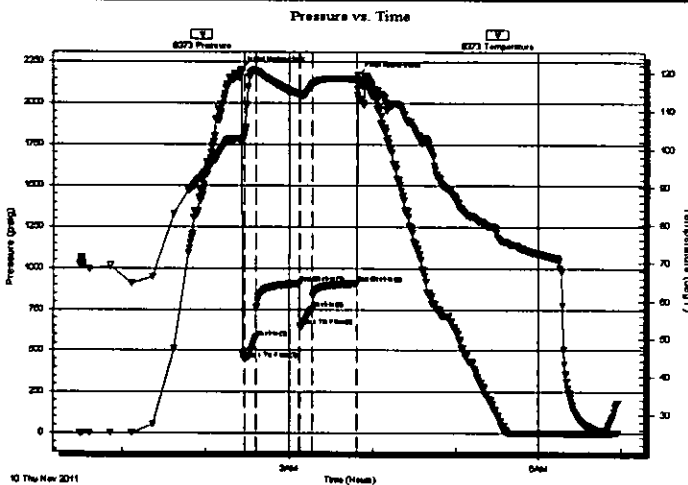
Time Off Btm: 2011.11.10 @ 03:49:17

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

* 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 Blati 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 #: 8645 Below (Straddle)

Press@RunDepth: 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:

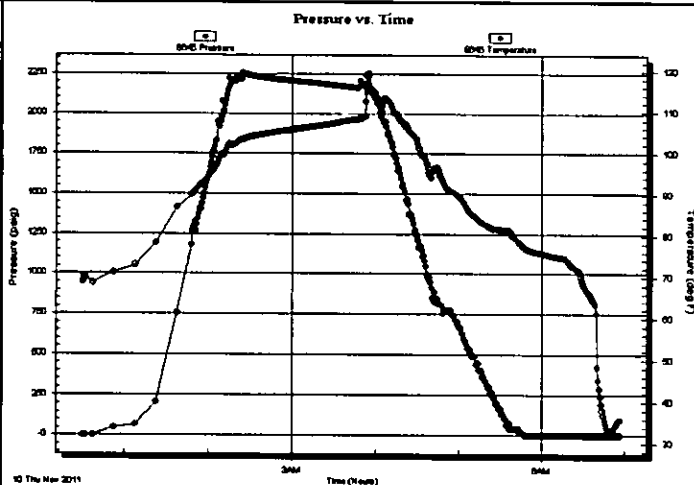
Time Off Btm:

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
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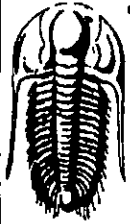
Recovery

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)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC

35-19s-20w Rush

7851 A Bati 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 in³

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 bbl
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

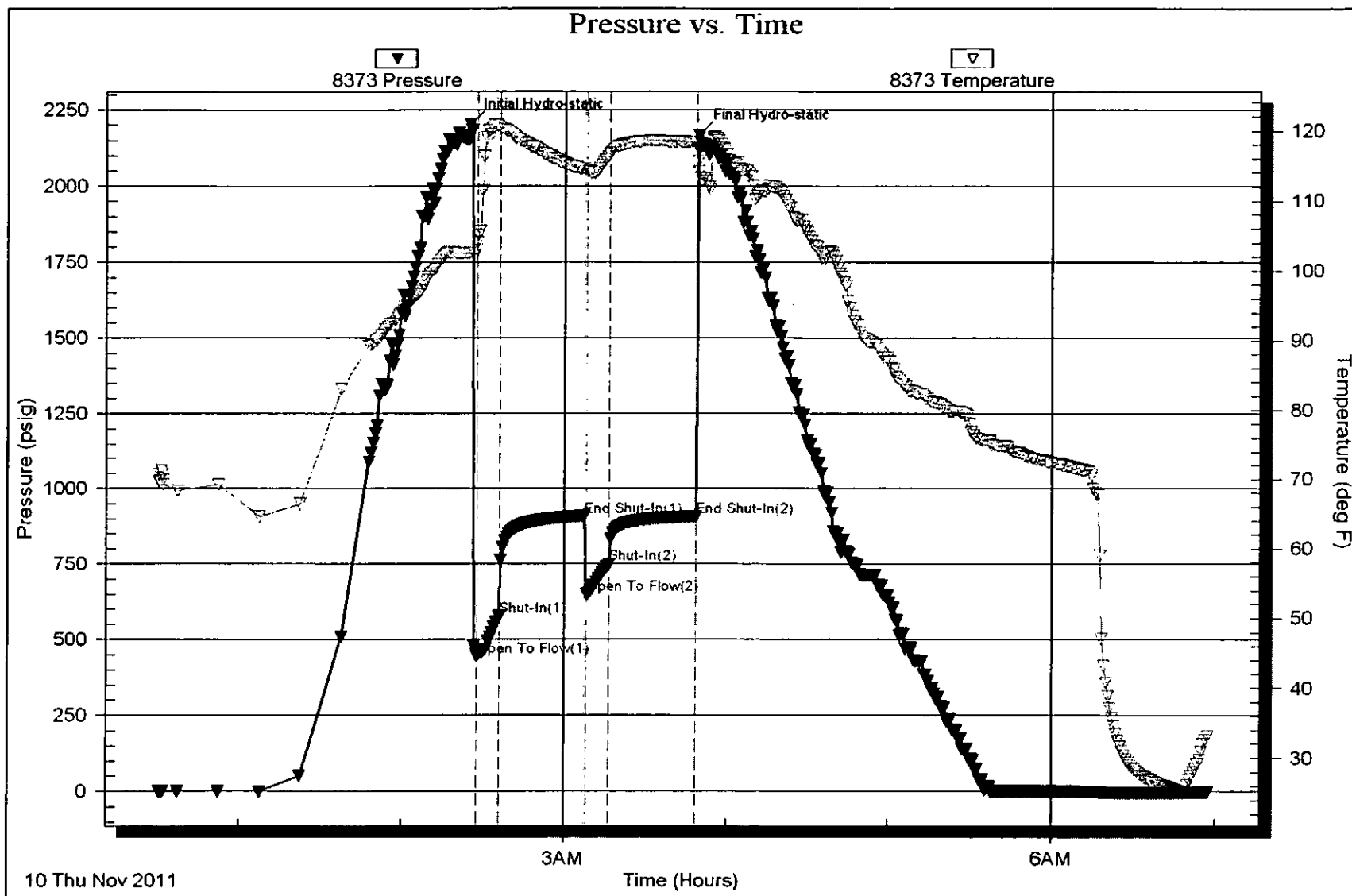
Num Gas Bombs: 0

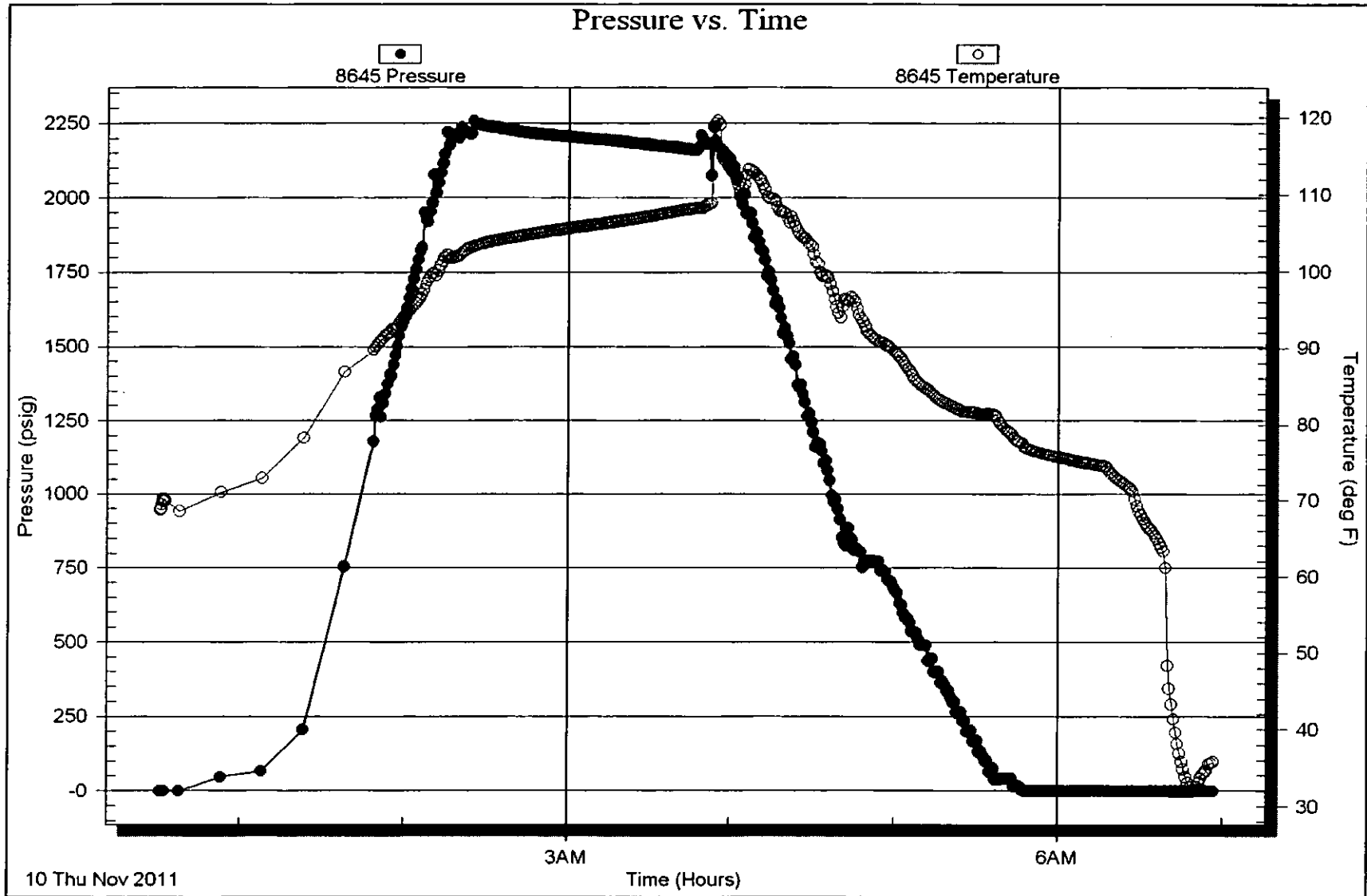
Serial #:

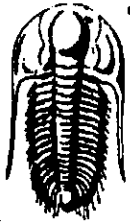
Laboratory Name:

Laboratory Location:

Recovery Comments: .34@31=50000







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC

7851 A Bati St Ste 201
Littleton, Co 80120

ATTN: Clayton Erickson

35-19s-20w Rush

Miller 1-35

Job Ticket: 45284

DST#: 3

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)**

Total Depth: **4552.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2276.00 ft (KB)**

2271.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8373

Inside

Press@RunDepth: **478.31 psig @ 4437.00 ft (KB)**

Start Date: **2011.11.10**

End Date:

2011.11.10

Capacity: **8000.00 psig**

Last Calib.: **2011.11.10**

Start Time: **08:51:11**

End Time:

14:21:05

Time On Btm: **2011.11.10 @ 10:23:36**

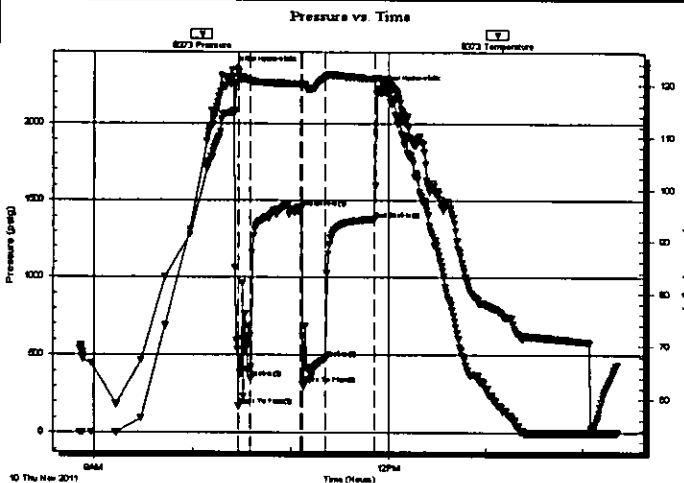
Time Off Btm: **2011.11.10 @ 11:53:06**

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

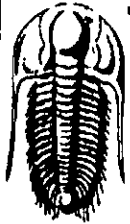
Recovery

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

7851 A Bati St Ste 201
Littleton, Co 80120

ATTN: Clayton Erickson

35-19s-20w Rush

Miller 1-35

Job Ticket: 45284

DST#: 3

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)**

Total Depth: **4552.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2276.00 ft (KB)**

2271.00 ft (CF)

KB to GR/CF: **5.00 ft**

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

Press@RunDepth: **psig @ 4482.00 ft (KB)**

Start Date: **2011.11.10**

End Date:

2011.11.10

Capacity: **8000.00 psig**

Last Calib.: **2011.11.10**

Start Time: **08:51:57**

End Time:

14:20:36

Time On Btm:

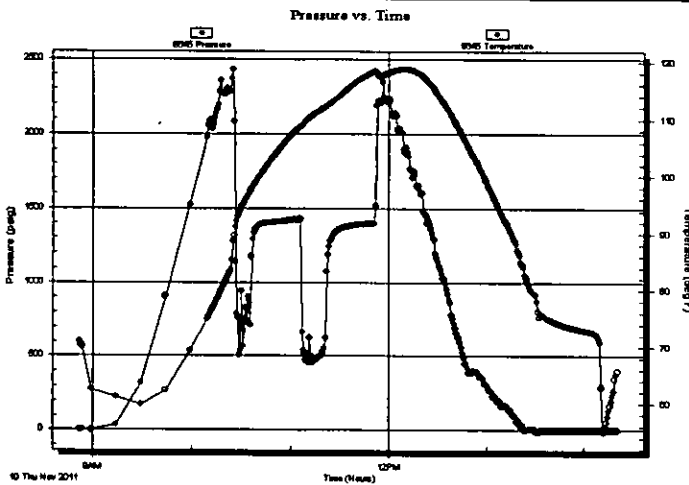
Time Off Btm:

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

* 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: 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:

bbl

Water Loss: 7.98 in³

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 bbl
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

