

### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1075609

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

#### **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 III Approved by: Date:				

Side Two



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [		Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc.  Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (	00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot		ON RECORD - Bridge Plu ootage of Each Interval Pe				cture, Shot, Cement mount and Kind of Ma	•	d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (	Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM Perf. D	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify)						

Form	ACO1 - Well Completion
Operator	Cholla Production, LLC
Well Name	Bontrager 1-32
Doc ID	1075609

# All Electric Logs Run

nduction	
Micro Log	
Neu Den Mic	
Sonic	
Hi Res	

Form	ACO1 - Well Completion
Operator	Cholla Production, LLC
Well Name	Bontrager 1-32
Doc ID	1075609

# Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4682-86	8.5 bbls 7 1/2% NEFE HCL	4682-86
		1500 gal NEFE 15% HCL/18bbls	
2	4652-57	4bbls NEFE 7 1/2% HCL/ 6 bbls KCL	4652-57
	Frac	480bbls KCL WTR/18000#SD	
2	4550-60	1500gal NEFE 20% HCL / 18bbls KCL	4550-60
4	4454-58/ 4431-34	1200gal NEFE 20%HCL/ 3000 gal NEFE 15% HCL(gelled)	4454-58/ 4431-34
4	4350-54	750 gal NEFE 15% KCL	

# ALLIED CEMENTING CO., LLC. 043378

Federal Tax I.D.# 20-5975804

REMIT TO P.O. I	BOX 31 SELL, KANSAS	67665			SEI	RVICE POINT	1
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DRILL PIPE		DEPTH			0		
TOOL		DEPTH			19.7		
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# ALLIED CEMENTING CC., LLC. 043388

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Cholla Production LLC

Bontrager 1-32

7851 S Elati St Ste 201 Littleton, Co 80120

32-19s-33w Scott, KS

Test Start: 2011.08.11 @ 05:57:41

ATTN: Bill Goff

Job Ticket: 43677 DST#: 1

#### **GENERAL INFORMATION:**

Formation: **LKC** 

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:05:36 Time Test Ended: 13:48:35

4264.00 ft (KB) To 4324.00 ft (KB) (TVD)

Total Depth: 4324.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Inside

Test Type: Conventional Bottom Hole

Tester:

**Brandon Turley** 

Unit No:

Reference Elevations:

2983.00 ft (KB) 2978.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Interval:

Start Date:

Start Time:

Press@RunDepth:

1143.96 psig @ 2011.08.11

05:57:41

4265.00 ft (KB) End Date:

End Time:

2011.08.11

13:48:35

Capacity:

8000.00 psig

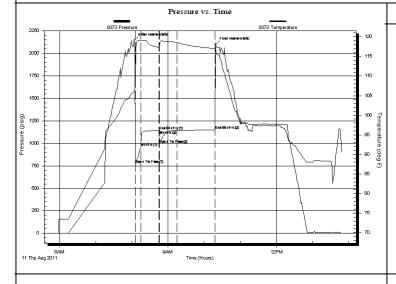
Last Calib.:

2011.08.11

Time On Btm: Time Off Btm: 2011.08.11 @ 08:04:06 2011.08.11 @ 10:19:20

TEST COMMENT: IF: BOB in 1 min.

IS: No return. FF: BOB in 2 min. FS: No return.



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2147.67	106.17	Initial Hydro-static
2	771.50	109.21	Open To Flow (1)
11	957.64	119.07	Shut-In(1)
41	1144.35	117.32	End Shut-In(1)
42	995.25	116.95	Open To Flow (2)
71	1143.96	118.52	Shut-In(2)
134	1147.26	117.01	End Shut-In(2)
136	2100.05	116.51	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
124.00	w ater 100%w	0.61
2108.00	mcw 90%w 10%m	29.57
258.00	w cm 20%w 80%m	3.62

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 43677 Printed: 2011.08.11 @ 14:38:36 Page 1



**FLUID SUMMARY** 

Cholla Production LLC

Bontrager 1-32

7851 S Elati St Ste 201 Littleton, Co 80120 32-19s-33w Scott, KS

Job Ticket: 43677

DST#: 1

ATTN: Bill Goff

Test Start: 2011.08.11 @ 05:57:41

#### **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type: Oil A Pl: 0 deg A Pl

Viscosity: 62.00 sec/qt Cushion Volume: bbl

Water Loss: 9.18 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4200.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
124.00	w ater 100%w	0.610
2108.00	mcw 90%w 10%m	29.570
258.00	w cm 20%w 80%m	3.619

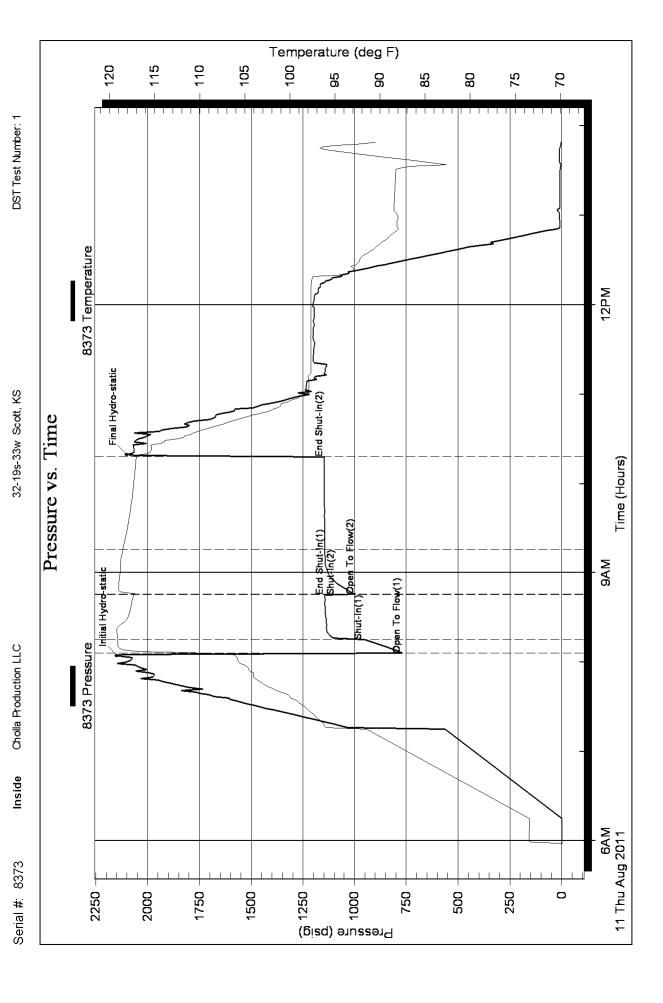
Total Length: 2490.00 ft Total Volume: 33.799 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .20@97=24000

Trilobite Testing, Inc Ref. No: 43677 Printed: 2011.08.11 @ 14:38:36 Page 2



Page 3 Printed: 2011.08.11 @ 14:38:37 43677 Ref. No: Trilobite Testing, Inc



Cholla Production LLC

7851 S Elati St Ste 201

Littleton, Co 80120
ATTN: Bill Goff

Bontrager 1-32

32-19s-33w Scott, KS

Job Ticket: 43678 **DST#:2** 

Test Start: 2011.08.12 @ 01:48:59

#### **GENERAL INFORMATION:**

Formation: Marmaton

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:02:24 Time Test Ended: 07:37:38

Interval: 4300.00 ft (KB) To 4366.00 ft (KB) (TVD)

Total Depth: 4366.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Reference Elevations:

2983.00 ft (KB)

2978.00 ft (CF)

8000.00 psig

KB to GR/CF: 5.00 ft

Serial #: 8373 Inside

Press @ RunDepth: 30.26 psig @ 4301.00 ft (KB) Capacity:

 Start Date:
 2011.08.12
 End Date:
 2011.08.12
 Last Calib.:
 2011.08.12

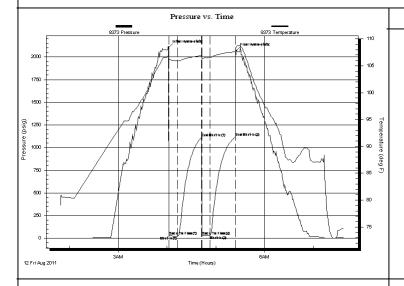
 Start Time:
 01:48:59
 End Time:
 07:37:38
 Time On Btm:
 2011.08.12 @ 04:02:09

Time Off Btm: 2011.08.12 @ 05:25:09

PRESSURE SUMMARY

TEST COMMENT: IF: 1/4 blow died in 7 min.

IS: No return. FF: No blow . FS: No return.



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2106.71	106.89	Initial Hydro-static
1	29.83	106.21	Open To Flow (1)

0	2106.71	106.89	Initial Hydro-static
1	29.83	106.21	Open To Flow (1)
11	25.59	105.93	Shut-In(1)
41	1110.39	106.88	End Shut-In(1)
41	29.22	106.31	Open To Flow (2)
51	30.26	106.52	Shut-In(2)
82	1119.27	107.62	End Shut-In(2)
83	2071.25	108.63	Final Hydro-static

Recovery

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

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 43678 Printed: 2011.08.12 @ 08:02:21 Page 1



**FLUID SUMMARY** 

Cholla Production LLC

Bontrager 1-32

7851 S Elati St Ste 201 Littleton, Co 80120 32-19s-33w Scott, KS

Job Ticket: 43678

Serial #:

DST#: 2

ATTN: Bill Goff

Test Start: 2011.08.12 @ 01:48:59

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:0 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 60.00 sec/qt Cushion Volume: bbl

8.78 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4100.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

Water Loss:

#### Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

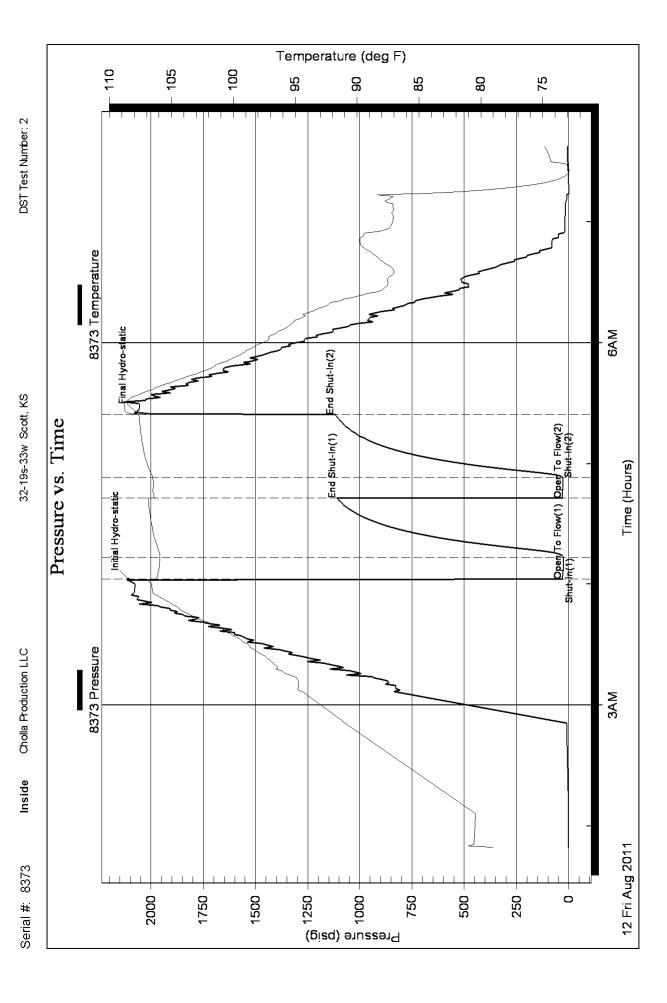
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 43678 Printed: 2011.08.12 @ 08:02:21 Page 2



Page 3 Printed: 2011.08.12 @ 08:02:22 43678 Ref. No:

Trilobite Testing, Inc



Cholla Production LLC

7851 S Elati St Ste 201 Littleton, Co 80120

ATTN: Bill Goff

Bontrager 1-32

32-19s-33w Scott, KS

Job Ticket: 43679 DST#: 3

Test Start: 2011.08.13 @ 00:49:50

#### GENERAL INFORMATION:

Formation: Pawnee- Ft Scott

Deviated: Whipstock: ft (KB)

Time Tool Opened: 03:02:45 Time Test Ended: 06:59:44

Interval: 4394.00 ft (KB) To 4462.00 ft (KB) (TVD)

Total Depth: 4462.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Inside

Test Type: Conventional Bottom Hole Tester:

Unit No:

**Brandon Turley** 

KB to GR/CF:

2983.00 ft (KB)

Reference Elevations:

2978.00 ft (CF)

5.00 ft

Serial #: 8373

Start Date:

Start Time:

Press@RunDepth:

39.32 psig @ 2011.08.13

00:49:50

4395.00 ft (KB)

End Date:

End Time:

2011.08.13

06:59:44

Capacity: Last Calib.: 8000.00 psig

Time On Btm: 2011.08.13 @ 03:00:45

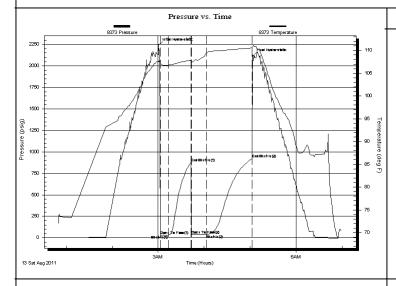
2011.08.13

Time Off Btm:

2011.08.13 @ 05:03:45

TEST COMMENT: IF: 1/4 blow died in 8 min.

IS: No return. FF: No blow. FS: No return.



### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2241.48	107.57	Initial Hydro-static
2	33.69	107.29	Open To Flow (1)
13	31.68	106.77	Shut-In(1)
42	873.93	107.85	End Shut-In(1)
43	36.77	107.43	Open To Flow (2)
63	39.32	109.41	Shut-In(2)
122	924.40	110.55	End Shut-In(2)
123	2118.49	110.88	Final Hydro-static

#### Recovery

Description	Volume (bbl)
mud 100%m	0.02
	·

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 43679 Printed: 2011.08.13 @ 08:04:04 Page 1



**FLUID SUMMARY** 

Cholla Production LLC

Bontrager 1-32

7851 S Elati St Ste 201 Littleton, Co 80120 32-19s-33w Scott, KS

Job Ticket: 43679

Serial #:

DST#: 3

ATTN: Bill Goff

Test Start: 2011.08.13 @ 00:49:50

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:0 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 45.00 sec/qt Cushion Volume: bbl

7.98 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6000.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

Water Loss:

#### Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

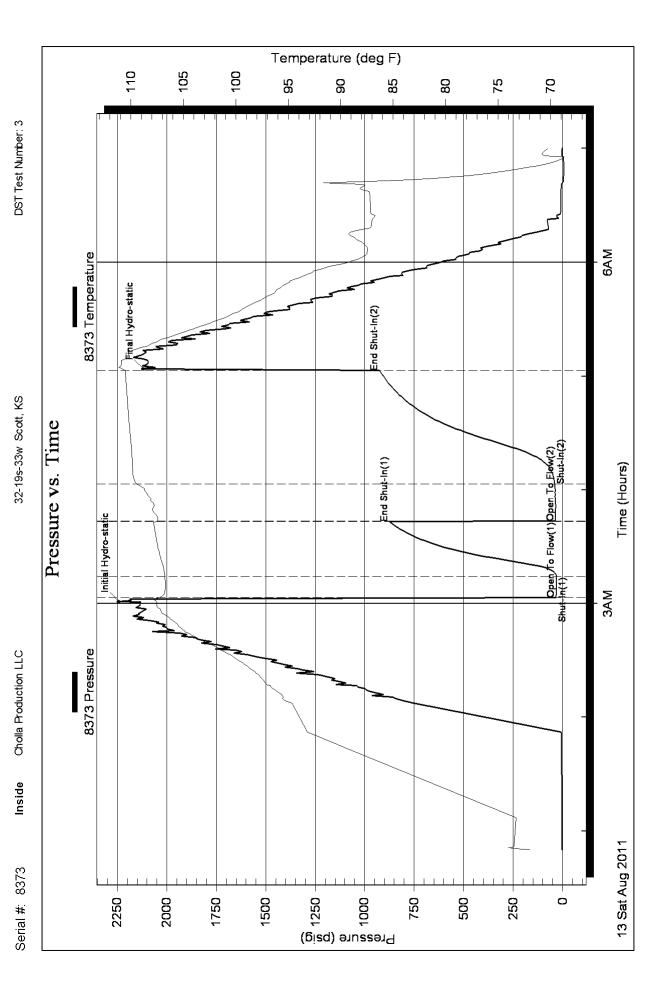
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

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Cholla Production LLC

7851 S Elati St Ste 201 Littleton, Co 80120

ATTN: Bill Goff

Bontrager 1-32

32-19s-33w Scott, KS

Job Ticket: 43680 DST#: 4

Test Start: 2011.08.14 @ 01:11:34

#### **GENERAL INFORMATION:**

Formation: Marrow

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:17:29 Time Test Ended: 07:15:28

4610.00 ft (KB) To 4650.00 ft (KB) (TVD) Interval:

Total Depth: 4650.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole

Tester:

**Brandon Turley** 

Unit No:

Reference Elevations:

2983.00 ft (KB)

2978.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Start Date:

Start Time:

Inside Press@RunDepth:

29.89 psig @ 2011.08.14

4611.00 ft (KB) End Date:

End Time:

2011.08.14

07:15:28

Capacity:

8000.00 psig

Last Calib.:

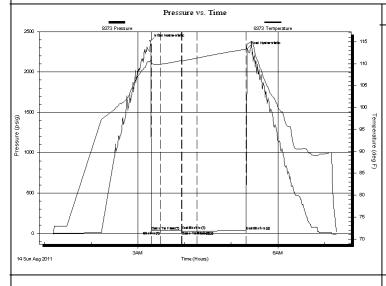
2011.08.14

Time On Btm: Time Off Btm: 2011.08.14 @ 03:15:59 2011.08.14 @ 05:19:59

TEST COMMENT: IF: Surface blow died in 6 min.

IS: No return. FF: No blow. FS: No return.

01:11:34



## PRESSURE SUMMARY

lime	Pressure	lemp	Annotation
(Min.)	(psig)	(deg F)	
0	2381.47	110.61	Initial Hydro-static
2	37.03	109.99	Open To Flow (1)
13	31.68	109.86	Shut-In(1)
41	40.59	110.72	End Shut-In(1)
41	30.04	110.68	Open To Flow (2)
60	29.89	111.26	Shut-In(2)
123	37.78	113.29	End Shut-In(2)
124	2289.56	114.43	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100%m	0.01
	_1	

#### Gas Rates

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

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**FLUID SUMMARY** 

DST#: 4

Cholla Production LLC

Bontrager 1-32

Serial #:

7851 S Elati St Ste 201 Littleton, Co 80120

32-19s-33w Scott, KS

Job Ticket: 43680

Test Start: 2011.08.14 @ 01:11:34

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API Water Salinity: 0 ppm

Mud Weight: Cushion Length: 9.00 lb/gal ft bbl

ATTN: Bill Goff

Viscosity: 56.00 sec/qt Cushion Volume:

Water Loss:  $8.78 in^3$ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6500.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100%m	0.015

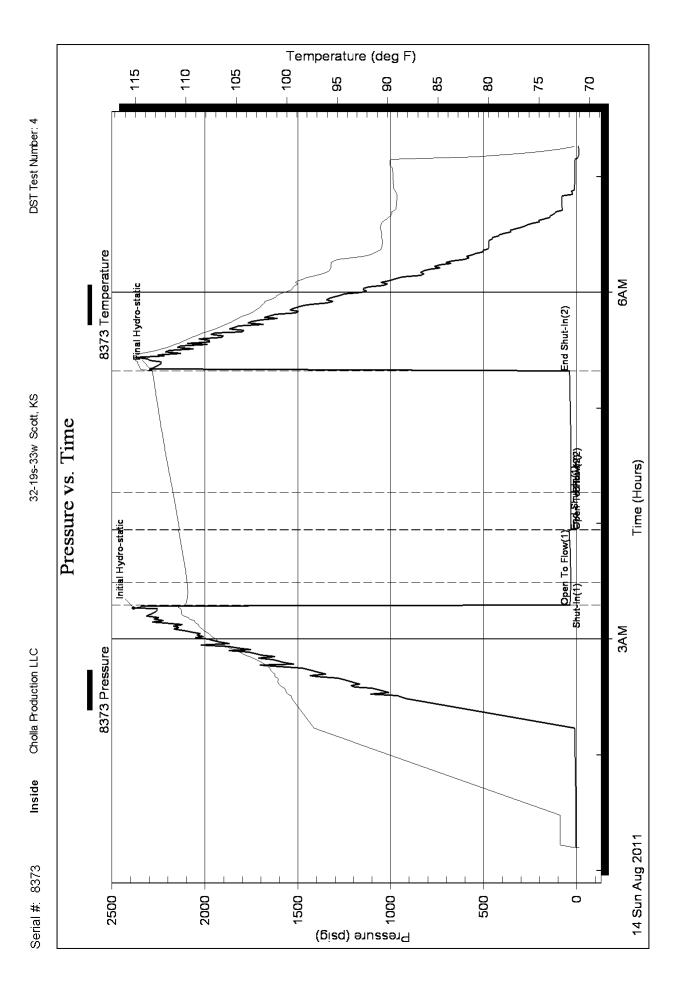
Total Volume: 0.015 bbl Total Length: 3.00 ft

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

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