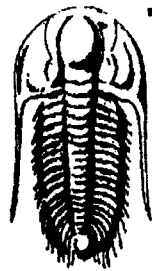


15-171-20608



**TRILOBITE
TESTING, INC.**

**CONFIDENTIAL
MAR 14 2006
KCC**

Cholla Production LLC

Rye #1-14

14-19s-34w Scott

DST # 1

Marmaton

2005.12.20

DRILL STEM TEST REPORT

Prepared For: **Cholla Production LLC**

1641 California St. #300
Denver, CO 80202

ATTN: Bill Goff

14-19s-34w Scott

Rye #1-14

Start Date: 2005.12.20 @ 22:16:14

End Date: 2005.12.21 @ 09:52:43

Job Ticket #: 23162 DST #: 1

**RECEIVED
MAR 20 2006**

KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC
1641 California St. #300
Denver, CO 80202
ATTN: Bill Goff

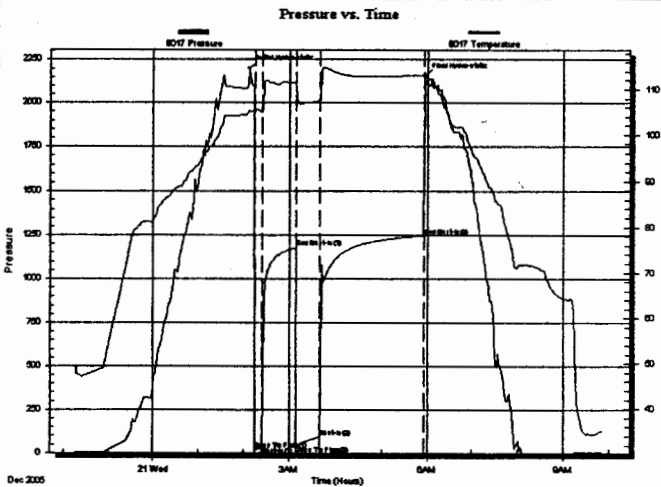
Rye #1-14
14-19s-34w Scott
Job Ticket: 23162 DST#: 1
Test Start: 2005.12.20 @ 22:16:14

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 02:13:58
Time Test Ended: 09:52:43
Interval: **4400.00 ft (KB) To 4478.00 ft (KB) (TVD)**
Total Depth: **4478.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **18**
Reference Elevations: **3045.00 ft (KB)**
3034.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 8017 **Inside**
Press@RunDepth: **93.63 psig @ 4401.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.12.20** End Date: **2005.12.21** Last Calib.: **2005.12.21**
Start Time: **22:16:14** End Time: **09:52:43** Time On Btm: **2005.12.21 @ 02:06:58**
Time Off Btm: **2005.12.21 @ 05:56:43**

TEST COMMENT: F: 1/4" built to 1 1/2" over 10 min.
IS: Weak surface blow after 3 min over 45 min.
FF: Surface blow built to 1 1/4" over 30 min.
FS: No return over 135 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.98	105.31	Initial Hydro-static
7	19.35	104.87	Open To Flow (1)
18	34.49	105.04	Shut-In(1)
62	1177.67	111.51	End Shut-In(1)
62	41.36	110.87	Open To Flow (2)
93	93.63	107.48	Shut-In(2)
229	1247.97	113.24	End Shut-In(2)
230	2152.95	113.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM 30% W 70% M	0.15
180.00	MCW 40% M 60% W	0.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cholla Production LLC
1641 California St. #300
Denver, CO 80202
ATTN: Bill Goff

Rye #1-14
14-19s-34w Scott
Job Ticket: 23162 **DST#: 1**
Test Start: 2005.12.20 @ 22:16:14

Tool Information

Drill Pipe:	Length: 3738.00 ft	Diameter: 3.80 inches	Volume: 52.43 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 643.00 ft	Diameter: 2.25 inches	Volume: 3.16 bbl	Weight to Pull Loose: 129000.0 lb
			<u>Total Volume: 55.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 107000.0 lb
Depth to Top Packer:	4400.00 ft			Final 108000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4371.00	
Shut In Tool	5.00			4376.00	
Sampler	2.00			4378.00	
Hydraulic tool	5.00			4383.00	
Jars	5.00			4388.00	
Safety Joint	3.00			4391.00	
Packer	5.00			4396.00	30.00 Bottom Of Top Packer
Packer	4.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	8017	Inside	4401.00	
Perforations	38.00			4439.00	
Change Over Sub	1.00			4440.00	
Drill Pipe	32.00			4472.00	
Change Over Sub	1.00			4473.00	
Recorder	0.00	13309	Inside	4473.00	
Bullnose	5.00			4478.00	78.00 Bottom Packers & Anchor
Total Tool Length:	108.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC

Rye #1-14

1641 California St. #300
Denver, CO 80202

14-19s-34w Scott

Job Ticket: 23162

DST#: 1

ATTN: Bill Goff

Test Start: 2005.12.20 @ 22:16:14

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:

22000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	WCM 30% W 70% M	0.148
180.00	MCW 40% M 60% W	0.885

Total Length: 210.00 ft Total Volume: 1.033 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 700 ml of mud, 1300 ml of water, 14 psi, 22000 chlor.,

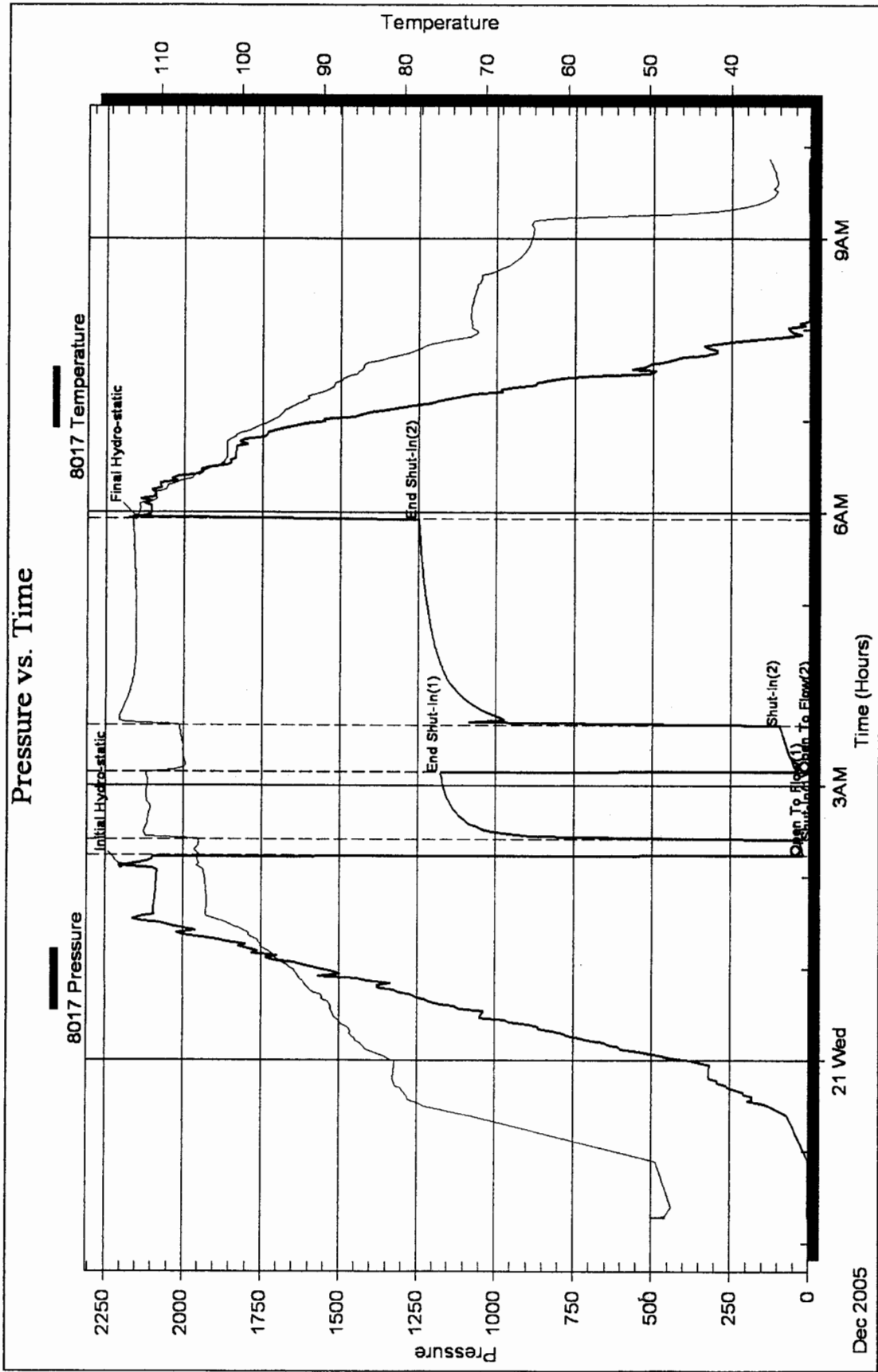
Serial #: 8017

Inside

Cholla Production LLC

14-19s-34w Scott

DST Test Number: 1



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MAR 14 2006
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DRILL STEM TEST REPORT

Prepared For: **Cholla Production LLC**

1641 California St. #300
Denver, CO 80202

ATTN: Bill Goff

14-19s-34w Scott

Rye #1-14

Start Date: 2005.12.21 @ 21:11:01

End Date: 2005.12.22 @ 09:27:15

Job Ticket #: 23163 DST #: 2

Cholla Production LLC

Rye #1-14

14-19s-34w Scott

DST # 2

Pawnee

2005.12.21

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KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC
1641 California St. #300
Denver, CO 80202
ATTN: Bill Goff

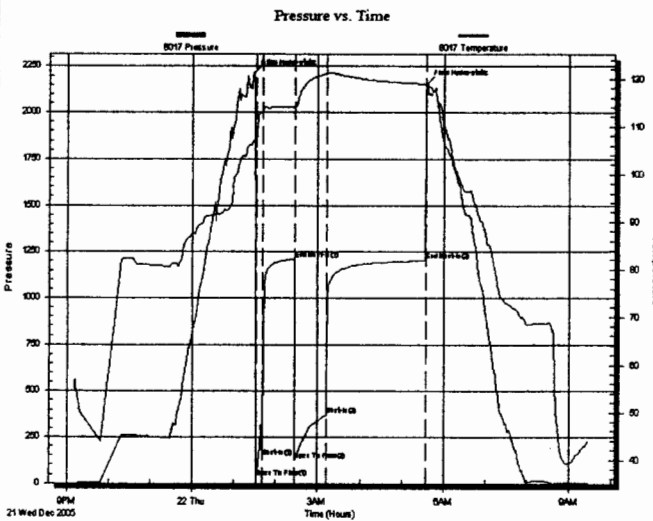
Rye #1-14
14-19s-34w Scott
Job Ticket: 23163 DST#: 2
Test Start: 2005.12.21 @ 21:11:01

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 01:31:45
Time Test Ended: 09:27:15
Interval: **4501.00 ft (KB) To 4556.00 ft (KB) (TVD)**
Total Depth: **4556.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **18**
Reference Elevations: **3045.00 ft (KB)**
3034.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: 8017 Inside
Press@RunDepth: **370.31 psig @ 4502.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.12.21** End Date: **2005.12.22** Last Calib.: **2005.12.22**
Start Time: **21:11:01** End Time: **09:27:15** Time On Btrm: **2005.12.22 @ 01:28:45**
Time Off Btrm: **2005.12.22 @ 05:35:30**

TEST COMMENT: F: 1/2" built to 6" over 10 min.
IS: No return over 45 min.
FF: 1/4" built to B.O.B. in 21 min. over 45 min.
FS: No return over 135 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.17	106.87	Initial Hydro-static
3	31.75	105.74	Open To Flow (1)
13	143.07	113.20	Shut-In(1)
58	1209.66	114.10	End Shut-In(1)
59	123.89	113.57	Open To Flow (2)
103	370.31	121.08	Shut-In(2)
245	1202.24	118.94	End Shut-In(2)
247	2152.97	118.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCW 10%G 20%M 70% W	0.59
540.00	MCW 45%M 55%W	2.81
130.00	MCW 35%M 65%W	1.82

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cholla Production LLC
1641 California St. #300
Denver, CO 80202
ATTN: Bill Goff

Rye #1-14
14-19s-34w Scott
Job Ticket: 23163 **DST#: 2**
Test Start: 2005.12.21 @ 21:11:01

Tool Information

Drill Pipe:	Length: 3843.00 ft	Diameter: 3.80 inches	Volume: 53.91 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 643.00 ft	Diameter: 2.25 inches	Volume: 3.16 bbl	Weight to Pull Loose: 132000.0 lb
			<u>Total Volume: 57.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 108000.0 lb
Depth to Top Packer:	4501.00 ft			Final 110000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4472.00	
Shut In Tool	5.00			4477.00	
Sampler	2.00			4479.00	
Hydraulic tool	5.00			4484.00	
Jars	5.00			4489.00	
Safety Joint	3.00			4492.00	
Packer	5.00			4497.00	30.00 Bottom Of Top Packer
Packer	4.00			4501.00	
Stubb	1.00			4502.00	
Recorder	0.00	8017	Inside	4502.00	
Perforations	15.00			4517.00	
Change Over Sub	1.00			4518.00	
Drill Pipe	32.00			4550.00	
Change Over Sub	1.00			4551.00	
Recorder	0.00	13309	Inside	4551.00	
Bullnose	5.00			4556.00	55.00 Bottom Packers & Anchor
Total Tool Length:	85.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC
1641 California St. #300
Denver, CO 80202
ATTN: Bill Goff

Rye #1-14
14-19s-34w Scott
Job Ticket: 23163 DST#: 2
Test Start: 2005.12.21 @ 21:11:01

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:	52000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GMCW 10%G 20%M 70% W	0.590
540.00	MCW 45%M 55%W	2.810
130.00	MCW 35%M 65%W	1.824

Total Length: 790.00 ft Total Volume: 5.224 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler: 200ml M, 1550ml W, .3 cu. ft. G at 75 psi, 52,000 chlor.
 Scum of oil in the 130 ft. of drill pipe.

Serial #: 8017

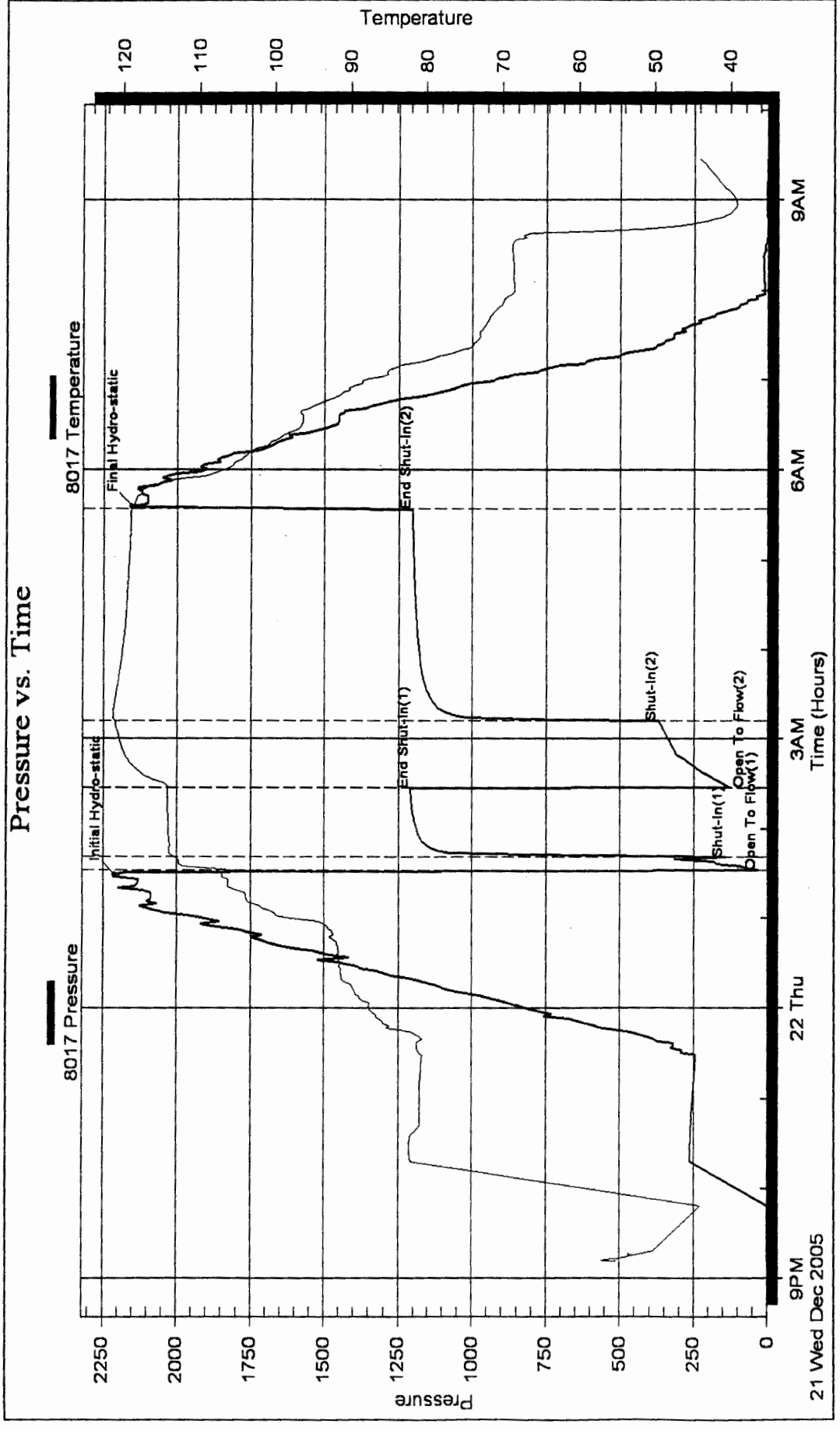
Inside

Cholla Production LLC

14-19s-34w Scott

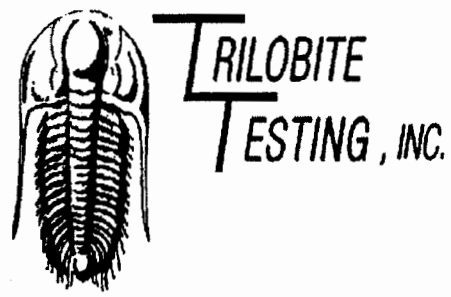
DST Test Number: 2

Pressure vs. Time



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MAR 14 2006

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DRILL STEM TEST REPORT

Prepared For: **Cholla Production LLC**

1641 California St. #300
Denver, CO 80202

ATTN: Bill Goff

14-19s-34w Scott

Rye #1-14

Start Date: 2005.12.28 @ 03:08:01

End Date: 2005.12.28 @ 17:05:45

Job Ticket #: 23164 DST #: 3

Cholla Production LLC

Rye #1-14

14-19s-34w Scott

DST # 3

Cherokee

2005.12.28

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PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production LLC

Rye #1-14

1641 California St. #300
Denver, CO 80202

14-19s-34w Scott

Job Ticket: 23164 DST#: 3

ATTN: Bill Goff

Test Start: 2005.12.28 @ 03:08:01

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 07:06:30

Time Test Ended: 17:05:45

Test Type: **Conventional Straddle**

Tester: **Chuck Smith**

Unit No: **18**

Interval: **4704.00 ft (KB) To 4737.00 ft (KB) (TVD)**

Reference Elevations: **3045.00 ft (KB)**

Total Depth: **4946.00 ft (KB) (TVD)**

3034.00 ft (CF)

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

KB to GR/CF: **11.00 ft**

Serial #: 8017

Inside

Press@RunDepth: **711.63 psig @ 4715.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.12.28**

End Date:

2005.12.28

Last Calib.: **2005.12.28**

Start Time: **03:08:01**

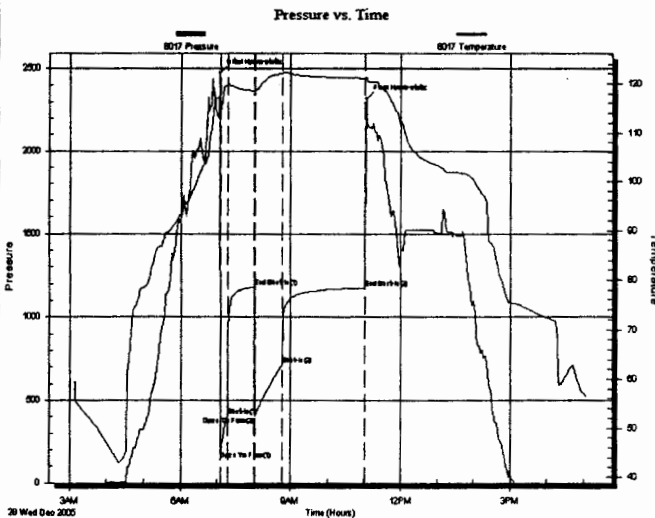
End Time:

17:05:45

Time On Btm: **2005.12.28 @ 07:04:15**

Time Off Btm: **2005.12.28 @ 11:03:15**

TEST COMMENT: IF: Strong blow built to B.O.B. in 3 1/2 min. over 10 min.
IS: No return over 45 min.
FF: Strong blow built to B.O.B. in 5 min. over 45 min.
FS: No return over 135 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2470.56	117.19	Initial Hydro-static
3	141.96	116.60	Open To Flow (1)
14	405.09	119.75	Shut-In(1)
57	1179.70	118.61	End Shut-In(1)
59	399.62	118.55	Open To Flow (2)
103	711.63	122.14	Shut-In(2)
237	1175.22	121.12	End Shut-In(2)
239	2316.86	121.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud 100% M	0.30
583.00	MCW 20% M 80% W	2.87
847.00	WCM 40% W 60% M	11.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cholla Production LLC
1641 California St. #300
Denver, CO 80202
ATTN: Bill Goff

Rye #1-14
14-19s-34w Scott
Job Ticket: 23164 **DST#: 3**
Test Start: 2005.12.28 @ 03:08:01

Tool Information

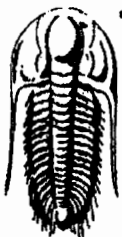
Drill Pipe:	Length: 4064.00 ft	Diameter: 3.80 inches	Volume: 57.01 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 643.00 ft	Diameter: 2.25 inches	Volume: 3.16 bbl	Weight to Pull Loose: 125000.0 lb
			<u>Total Volume: 60.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 108000.0 lb
Depth to Top Packer:	4704.00 ft			Final 118000.0 lb
Depth to Bottom Packer:	4733.00 ft			
Interval between Packers:	29.00 ft			
Tool Length:	272.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4675.00	
Shut In Tool	5.00			4680.00	
Sampler	2.00			4682.00	
Hydraulic tool	5.00			4687.00	
Jars	5.00			4692.00	
Safety Joint	3.00			4695.00	
Packer	5.00			4700.00	30.00 Bottom Of Top Packer
Packer	4.00			4704.00	
Stubb	1.00			4705.00	
Perforations	10.00			4715.00	
Recorder	0.00	8017	Inside	4715.00	
Perforations	17.00			4732.00	
Recorder	0.00	13371	Inside	4732.00	
Blank Off Sub	1.00			4733.00	29.00 Tool Interval
Packer	4.00			4737.00	
Stubb	1.00			4738.00	
Perforations	18.00			4756.00	
Change Over Sub	1.00			4757.00	
Drill Pipe	183.00			4940.00	
Change Over Sub	1.00			4941.00	
Recorder	0.00	13309	Inside	4941.00	
Bullnose	5.00			4946.00	213.00 Bottom Packers & Anchor

Total Tool Length: 272.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC

Rye #1-14

1641 California St. #300
Denver, CO 80202

14-19s-34w Scott

Job Ticket: 23164

DST#: 3

ATTN: Bill Goff

Test Start: 2005.12.28 @ 03:08:01

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: 19000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 8000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud 100% M	0.295
583.00	MCW 20% M 80% W	2.867
847.00	WCM 40% W 60% M	11.881

Total Length: 1490.00 ft Total Volume: 15.043 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 19000 chlor. 900 ml of mud, 1100 ml of water, 0 cu. ft. of gas @ 14 psi.
Bottom packer failure.

Serial #: 8017

Inside

Cholla Production LLC

14-19s-34w Scott

DST Test Number: 3

Pressure vs. Time

