

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC

7851 S. Elati STE 201
Littleton, Co 80120

ATTN: Roger Pearson

Metzger #2-16

16 19s 33w Scott

Job Ticket: 040600

DST#: 1

Test Start: 2011.03.22 @ 13:26:00

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:19:30

Time Test Ended: 19:43:45

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: 3920.00 ft (KB) To 3950.00 ft (KB) (TVD)

Reference Elevations: 2964.00 ft (KB)

Total Depth: 3950.00 ft (KB) (TVD)

2959.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 23.42 psig @ 3921.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.22

End Date:

2011.03.22

Last Calib.: 2011.03.22

Start Time: 13:26:05

End Time:

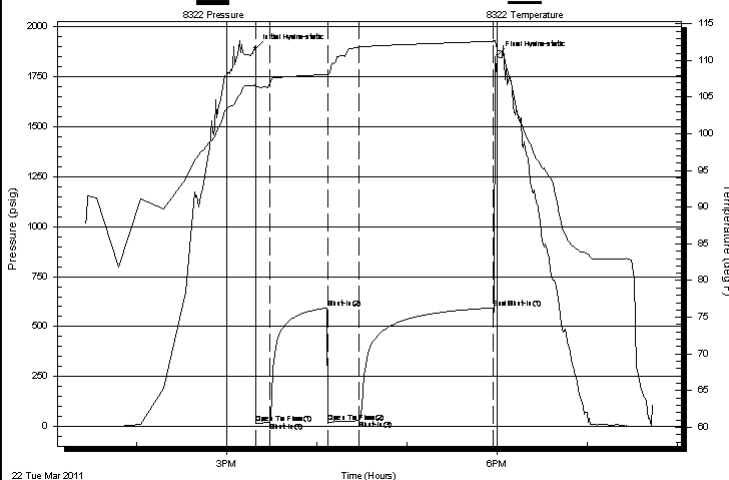
19:43:44

Time On Btm: 2011.03.22 @ 15:19:15

Time Off Btm: 2011.03.22 @ 18:00:30

TEST COMMENT: IF: Surface blow .
IS: No return blow .
FF: No blow .
FS: No return blow .

Pressure vs. Time



PRESSURE SUMMARY

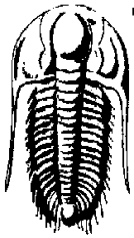
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.85	106.67	Initial Hydro-static
1	17.32	106.42	Open To Flow (1)
10	23.42	106.87	Shut-In(1)
48	594.88	108.12	Shut-In(2)
49	23.11	108.05	Open To Flow (2)
69	30.18	111.84	Shut-In(3)
159	594.21	112.65	End Shut-In(1)
162	1855.73	111.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100% m (oil specs)	0.07

Gas Rates

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

Cholla Production, LLC

Metzger #2-16

7851 S. Elati STE 201
Littleton, Co 80120

16 19s 33w Scott

Job Ticket: 040600

DST#: 1

ATTN: Roger Pearson

Test Start: 2011.03.22 @ 13:26:00

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:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m (oil specs)	0.071

Total Length: 15.00 ft

Total Volume: 0.071 bbl

Num Fluid Samples: 0

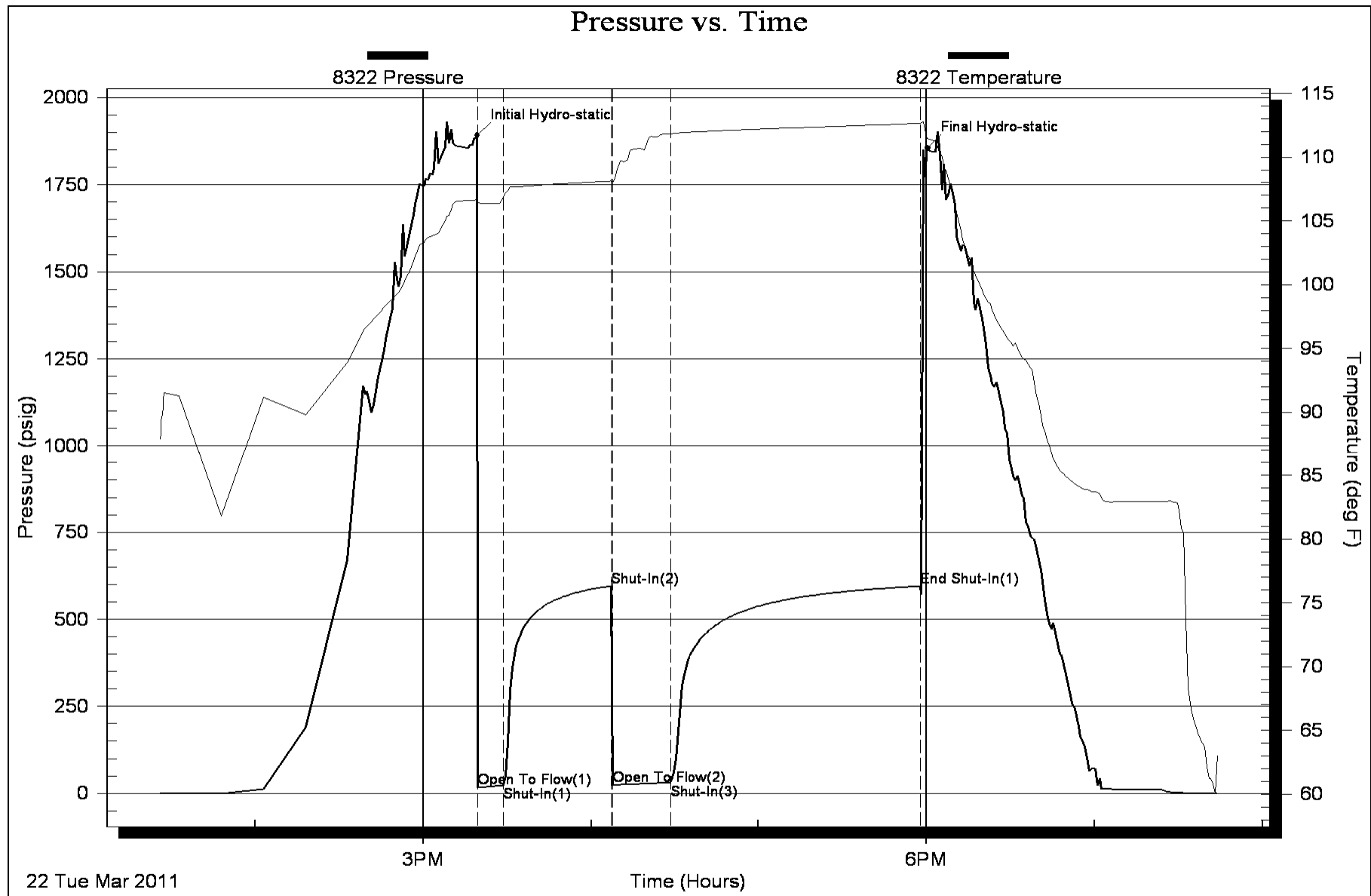
Num Gas Bombs: 0

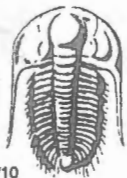
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 040600

15552

Well Name & No. Netzer #2-16 Test No. 1 Date 3/22/11
 Company Cholla Production, LLC Elevation 2964 KB 2959 GL
 Address 7851 S. Elati STE 201 Littleton, Co. 80120
 Co. Rep / Geo. Roger Pearson Rig WW#2
 Location: Sec. 16 Twp. 19S Rge. 33W Co. Scott State Ks

Interval Tested 3920 3950 Zone Tested LKC
 Anchor Length 30 Drill Pipe Run 3790 Mud Wt. 8.9
 Top Packer Depth 3915 Drill Collars Run 122 Vis 53
 Bottom Packer Depth 3920 Wt. Pipe Run Ø WL 8.0
 Total Depth 3950 Chlorides 4100 ppm System LCM 2#

Blow Description IF! Surface blow.
ISI! No return blow.
FF! No blow.
BT! No return blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUP (Oil Spec's)</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT — Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>1891</u>	☒ Test	<u>1125</u>	T-On Location	<u>1100</u>
(B) First Initial Flow	<u>17</u>	☒ Jars	<u>250</u>	T-Started	<u>1326</u>
(C) First Final Flow	<u>23</u>	☒ Safety Joint	<u>75</u>	T-Open	<u>1517</u>
(D) Initial Shut-In	<u>595</u>	☒ Circ Sub	<u>N/C</u>	T-Pulled	<u>1757</u>
(E) Second Initial Flow	<u>23</u>	☐ Hourly Standby		T-Out	<u>1943</u>
(F) Second Final Flow	<u>30</u>	☒ Mileage	<u>16 RT 20°</u>	Comments	
(G) Final Shut-In	<u>594</u>	☒ Sampler	<u>250°</u>		
(H) Final Hydrostatic	<u>1856</u>	☐ Straddle			

Initial Open	<u>10</u>	☒ Shale Packer	<u>250</u>	☐ Ruined Shale Packer	
Initial Shut-In	<u>40</u>	☐ Extra Packer		☐ Ruined Packer	
Final Flow	<u>20</u>	☐ Extra Recorder		☐ Extra Copies	
Final Shut-In	<u>90</u>	☐ Day Standby		Sub Total	<u>8</u>
		☐ Accessibility		Total	<u>1970</u>
		Sub Total	<u>1970</u>	MP/DST Disc't	

Approved By Roger Pearson

Our Representative Paul Pearson

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 040600 Date 3/22/11
Company Name Cholla Production, LLC
Lease Metzger #2-16 Test No. 1
County Scott Sec. 16 Twp. 19S Rng. 33W

SAMPLER RECOVERY

Gas _____ ML Chlorides 4100 ppm.
Oil _____ ML Resistivity 1.52 ohms @ 20 F
Mud 2,000 ML Viscosity 53
Water _____ ML Mud Weight 8.9
Other _____ ML Filtrate 8.0
Pressure 0 PSI ML Other 2# LCM, 1" CAKE
Total 2,000 ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

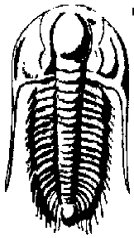
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @60F

PIPE RECOVERY

TOP
Resistivity 1.52 ohms @ 20 F
Chlorides 4100 ppm.

MIDDLE
Resistivity 1.52 ohms @ 20 F
Chlorides 4100 ppm.

BOTTOM
Resistivity 1.52 ohms @ 20 F
Chlorides 4100 ppm.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC

7851 S. Elati STE 201
Littleton, Co 80120

ATTN: Roger Pearson

Metzger #2-16

16 19s 33w Scott

Job Ticket: 042101

DST#: 2

Test Start: 2011.03.23 @ 13:12:00

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:15

Time Test Ended: 20:19:45

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: 4120.00 ft (KB) To 4142.00 ft (KB) (TVD)

Total Depth: 4142.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Fair

Reference Elevations: 2964.00 ft (KB)

2959.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8360 Outside

Press@RunDepth: 161.34 psig @ 4121.00 ft (KB)

Start Date: 2011.03.23

End Date:

2011.03.23

Start Time: 13:12:05

End Time:

20:19:44

Capacity: 8000.00 psig

Last Calib.: 2011.03.23

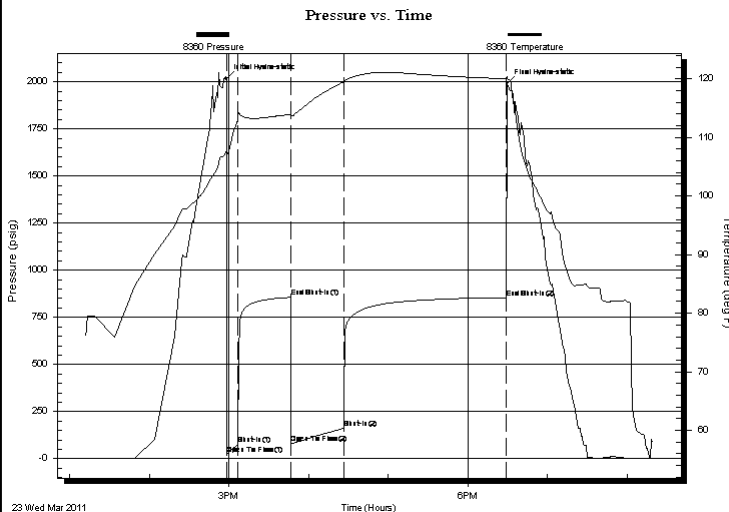
Time On Btm: 2011.03.23 @ 14:58:00

Time Off Btm: 2011.03.23 @ 18:30:00

TEST COMMENT: IF: 3 1/2 inches blow .
IS: No return blow .
FF: BOB@ 23 minutes.
FS: No return blow .

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.39	107.62	Initial Hydro-static
1	22.00	106.88	Open To Flow (1)
9	76.18	113.52	Shut-In(1)
49	856.43	113.90	End Shut-In(1)
49	79.43	113.42	Open To Flow (2)
89	161.34	119.49	Shut-In(2)
211	853.46	120.02	End Shut-In(2)
212	1992.19	120.18	Final Hydro-static

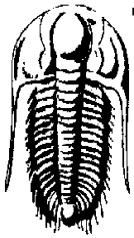


Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100% m (oil specs)	0.07
365.00	mcw 30% m 70% w - oil specs	4.12

Gas Rates

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

Cholla Production, LLC

Metzger #2-16

7851 S. Elati STE 201
Littleton, Co 80120

16 19s 33w Scott

Job Ticket: 042101

DST#: 2

ATTN: Roger Pearson

Test Start: 2011.03.23 @ 13:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

45000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m (oil specs)	0.071
365.00	mcw 30%m 70%w - oil specs	4.122

Total Length: 380.00 ft

Total Volume: 4.193 bbl

Num Fluid Samples: 0

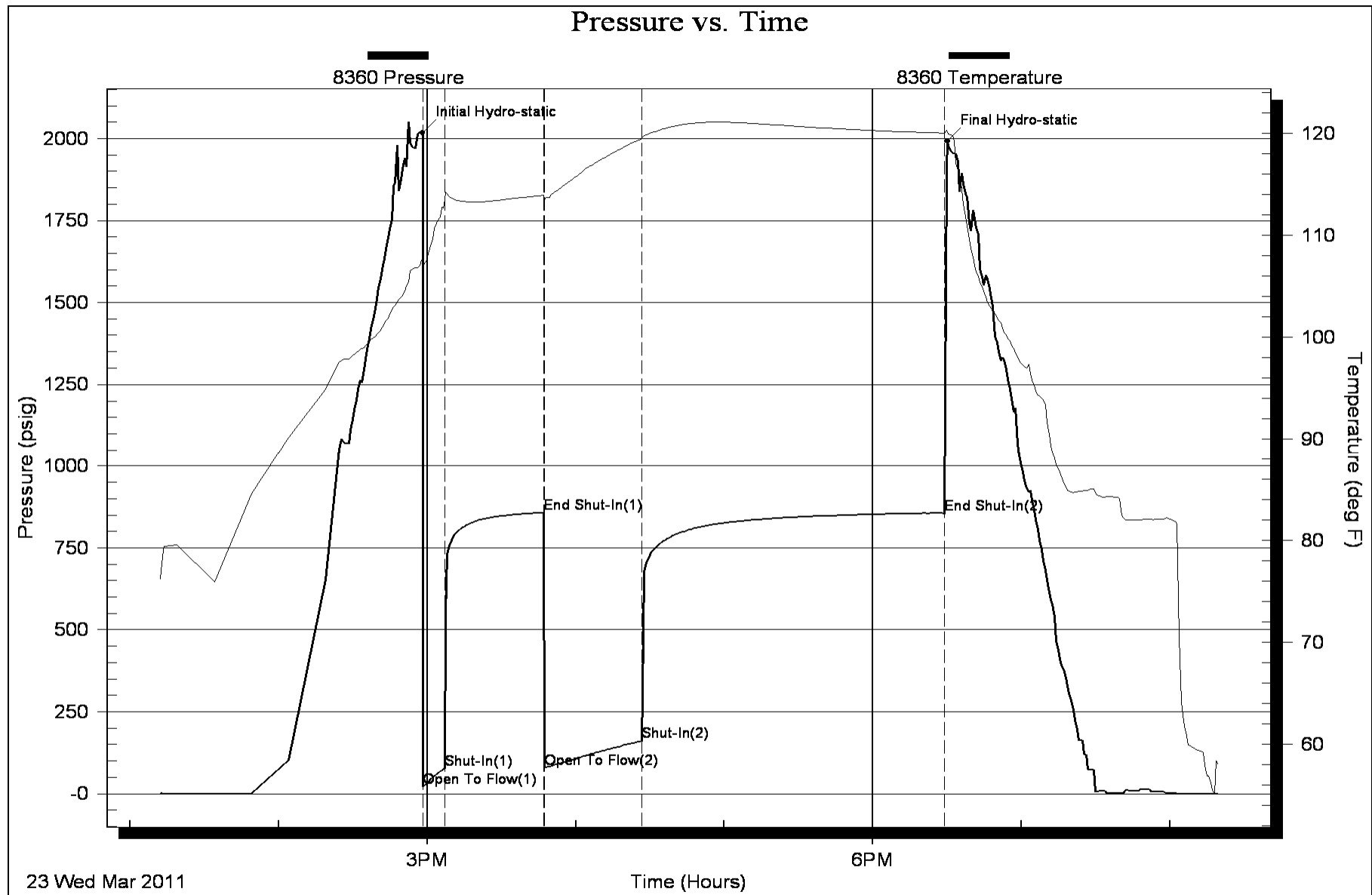
Num Gas Bombs: 0

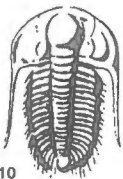
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .167 @ 69 F = 45000ppm





TRILOBITE TESTING INC.

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Test Ticket

NO. 042101

Well Name & No. Metzger #2-16 Test No. 2 Date 3/23/11
 Company Cholla Production, LLC Elevation 2964 KB 2959 GL
 Address 7851 S. Elati STE 201 Littleton, Co 80120
 Co. Rep / Geo. Roger Pearson Rig WW#2
 Location: Sec. 16 Twp. 19s Rge. 33w Co. Scott State Ks

Interval Tested 3920 - 3950 ^{4120 - 4142} Zone Tested LKC
 Anchor Length 22 Drill Pipe Run 3976 Mud Wt. 9.0
 Top Packer Depth 4115 Drill Collars Run 122 Vis 56
 Bottom Packer Depth 4120 Wt. Pipe Run Ø WL 8.0
 Total Depth 4142 Chlorides 4500 ppm System LCM 2#

Blow Description IF! 3 1/2 inches blow.
ISI: No return blow.
FF! BOB @ 23 minutes.
FSI: No return blow

Rec	Feet of	OIL SPEC'S	%gas	%oil	%water	%mud
<u>365</u>	<u>mcw</u>			<u>70</u>	<u>30</u>	
<u>15</u>	<u>mud</u>				<u>100</u>	

Rec Total 380 BHT 120 Gravity — API RW 167 @ 69 °F Chlorides 45000 ppm

(A) Initial Hydrostatic <u>2017</u>	☒ Test <u>1225</u>	T-On Location <u>1130</u>
(B) First Initial Flow <u>22</u>	☒ Jars <u>250</u>	T-Started <u>1312</u>
(C) First Final Flow <u>76</u>	☒ Safety Joint <u>75</u>	T-Open <u>1457</u>
(D) Initial Shut-In <u>856</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>1827</u>
(E) Second Initial Flow <u>79</u>	☐ Hourly Standby <u>16 R/T 20</u>	T-Out <u>20 20</u>
(F) Second Final Flow <u>161</u>	☒ Mileage <u>↓</u>	Comments
(G) Final Shut-In <u>853</u>	☒ Sampler <u>250</u>	
(H) Final Hydrostatic <u>1992</u>	☐ Straddle	

Initial Open 10
 Initial Shut-In 40
 Final Flow 40
 Final Shut-In 120

☒ Shale Packer 250
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 2070

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total
 Total
 MP/DST Disc't

Approved By Tom Primmold

Our Representative [Signature]

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 042101 Date 3/23/11
Company Name Chola Production, LLC
Lease Metzger #2-11 Test No. 2
County Scott Sec. 16 Twp. 19S Rng. 33W

SAMPLER RECOVERY

Gas _____ ML Chlorides 4500 ppm.
Oil _____ ML Resistivity 1.6 ohms @ 60 F
Mud _____ ML Viscosity 56
Water 2,000 ML Mud Weight 9.0
Other _____ ML Filtrate 8.0
Pressure 20 PSI ~~ML~~ Other _____
Total 2,000 ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

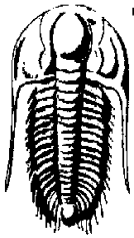
Resistivity .167 ohms @ 69 F
Chlorides 4,500 ppm.
Gravity — corrected @ 60F

PIPE RECOVERY

TOP
Resistivity 1.6 ~~4500~~ ohms @ 60 F
Chlorides 4500 ppm.

MIDDLE
Resistivity 1.6 ohms @ 60 F
Chlorides 4500 ppm.

BOTTOM
Resistivity 1.6 ohms @ 60 F
Chlorides 4500 ppm.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC

7851 S. Elati STE 201
Littleton, Co 80120

ATTN: Roger Pearson

Metzger #2-16

16 19s 33w Scott

Job Ticket: 042102

DST#: 3

Test Start: 2011.03.24 @ 18:04:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:59:00

Time Test Ended: 01:44:15

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: 4359.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 2964.00 ft (KB)

Total Depth: 3950.00 ft (KB) (TVD)

2959.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8360 Outside

Press@RunDepth: 38.54 psig @ 4360.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.24

End Date:

2011.03.25

Last Calib.: 2011.03.25

Start Time: 18:04:05

End Time:

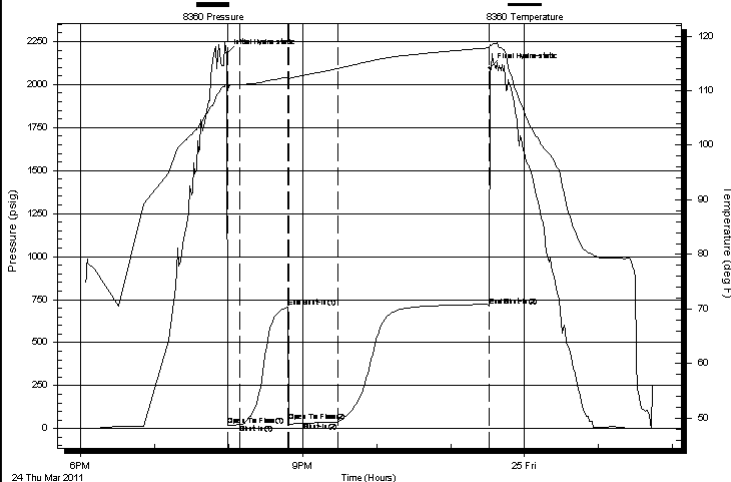
01:44:14

Time On Btm: 2011.03.24 @ 19:58:45

Time Off Btm: 2011.03.24 @ 23:32:00

TEST COMMENT: IF: 1 1/2 inches blow .
IS: No return blow .
FF: 4 1/2 inches blow .
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

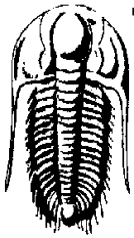
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.78	111.24	Initial Hydro-static
1	17.35	110.04	Open To Flow (1)
11	24.54	111.12	Shut-In(1)
50	704.53	112.46	End Shut-In(1)
50	41.33	112.16	Open To Flow (2)
90	38.54	114.05	Shut-In(2)
213	709.73	117.86	End Shut-In(2)
214	2097.25	118.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	ocm 30%o 70% m	0.19

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production, LLC

Metzger #2-16

7851 S. Elati STE 201
Littleton, Co 80120

16 19s 33w Scott

Job Ticket: 042102

DST#: 3

ATTN: Roger Pearson

Test Start: 2011.03.24 @ 18:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	ocm 30%o 70%m	0.188

Total Length: 40.00 ft Total Volume: 0.188 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

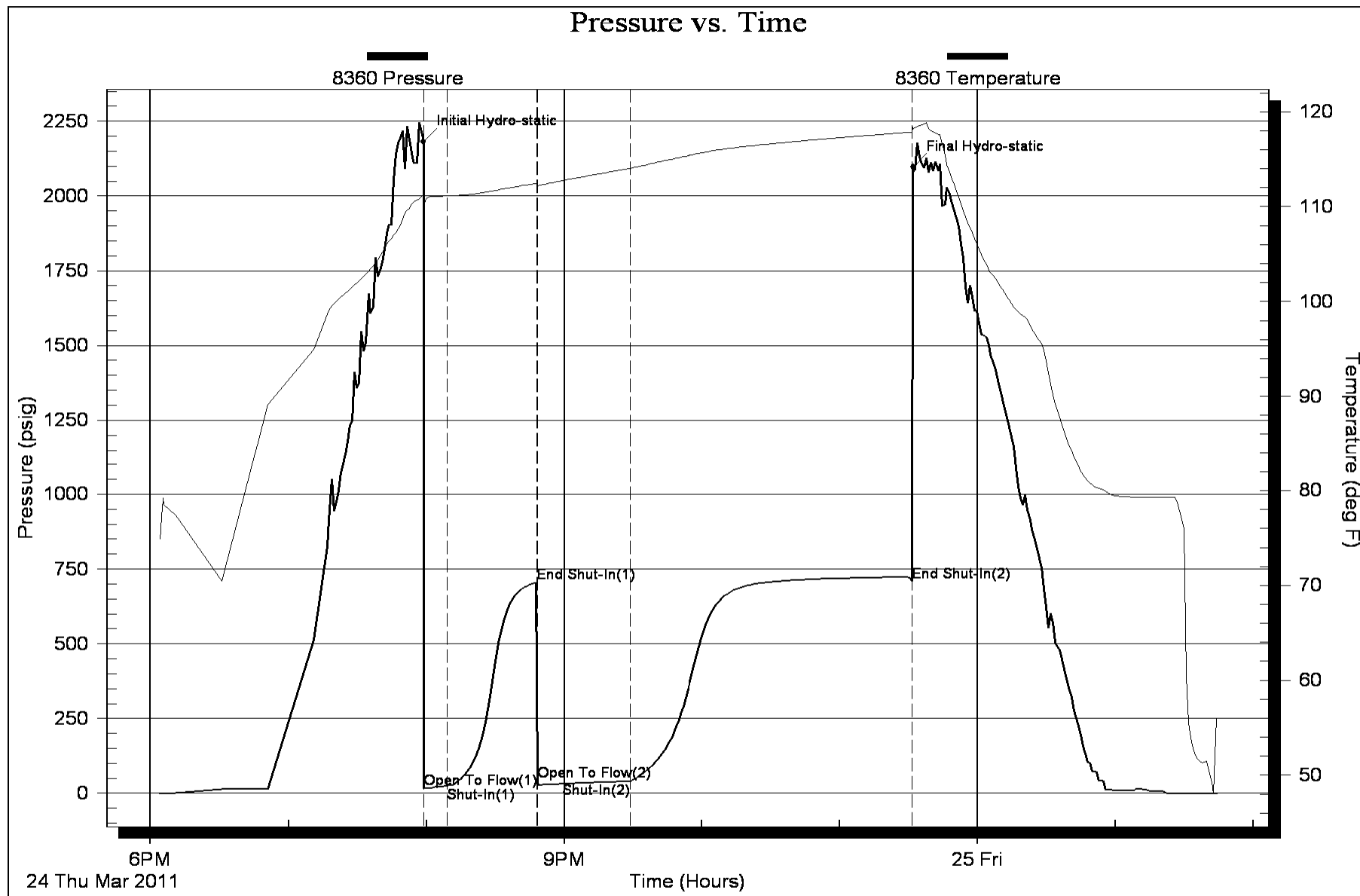
Serial #:

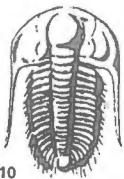
Laboratory Name:

Laboratory Location:

Recovery Comments: API 28 @ 40 f = 30

Sampler full of oil





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042102

Well Name & No. Metzger #2-16 Test No. 3 Date 3/24/11
 Company Cholla Production, LLC Elevation 2964 KB 2959 GL
 Address 7851 S. Elati SFE 201 Littleton, Co 80120
 Co. Rep / Geo. Roger Pearson Rig WW#2
 Location: Sec. 16 Twp. 19s Rge. 33w Co. Scott State Ks

Interval Tested 4359 - 4370 Zone Tested Normaton
 Anchor Length 11 Drill Pipe Run 4224 Mud Wt. 9.1
 Top Packer Depth 4354 Drill Collars Run 122 Vis 56
 Bottom Packer Depth 4359 Wt. Pipe Run 0 WL 8.8
 Total Depth 4370 Chlorides 5,000 ppm System LCM 1#

Blow Description IF! 1 1/2 inches blow.
ISI No return blow.
FF! 4 1/2 inches blow.
FSI! No return blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>0cm</u>		<u>30</u>	<u>70</u>	
Rec	Feet of <u>SAMPLER FULL OF OIL</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 440 BHT 118 Gravity 30 API RW @ ° F Chlorides ppm
 (A) Initial Hydrostatic 2182 ☒ Test 1225 T-On Location 1715
 (B) First Initial Flow 17 ☒ Jars 250 T-Started 1804
 (C) First Final Flow 25 ☒ Safety Joint 75 T-Open 1958
 (D) Initial Shut-In 705 ☒ Circ Sub NE T-Pulled 2328
 (E) Second Initial Flow 41 ☐ Hourly Standby T-Out 0144
 (F) Second Final Flow 39 ☒ Mileage 16 RT 20 Comments
 (G) Final Shut-In 710 ☒ Sampler 250
 (H) Final Hydrostatic 2097 ☐ Straddle ☐ Ruined Shale Packer

Initial Open 10
 Initial Shut-In 40
 Final Flow 40
 Final Shut-In 120

☒ Shale Packer 250
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☒ Accessibility
 Sub Total 2070

☒ Ruined Packer 200
☐ Extra Copies
 Sub Total 2160
 Total 2330

Approved By Roger Pearson

Our Representative [Signature]

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P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 042102 Date 3/24/11
Company Name Cholla Production, LLC
Lease Metzger #2-16 Test No. 3
County Scott Sec. 16 Twp. 19S Rng. 33W

SAMPLER RECOVERY

Gas _____ ML Chlorides 5,000 ppm.
Oil 2,000 ML Resistivity 2.0 ohms @ 42 F
Mud _____ ML Viscosity 56
Water _____ ML Mud Weight 9.1
Other _____ ML Filtrate 8.8
Pressure 150 PSI ~~ML~~ Other LCM #
Total 2,000 ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

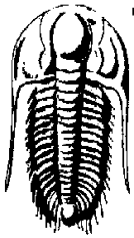
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 30 corrected @60F

PIPE RECOVERY

TOP
Resistivity 2.0 ohms @ 42 F
Chlorides 5,000 ppm.

MIDDLE
Resistivity 2.0 ohms @ 42 F
Chlorides 5,000 ppm.

BOTTOM
Resistivity 2.0 ohms @ 42 F
Chlorides 5,000 ppm.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC

7851 S. Elati STE 201
Littleton, Co 80120

ATTN: Roger Pearson

Metzger #2-16

16 19s 33w Scott

Job Ticket: 042103

DST#: 4

Test Start: 2011.03.26 @ 03:40:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:00

Time Test Ended: 11:07:15

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: 4576.00 ft (KB) To 4610.00 ft (KB) (TVD)

Total Depth: 4610.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Fair

Reference Elevations: 2964.00 ft (KB)

2959.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 22.49 psig @ 4577.00 ft (KB)

Start Date: 2011.03.26

End Date:

2011.03.26

Start Time: 03:40:05

End Time:

11:07:14

Capacity: 8000.00 psig

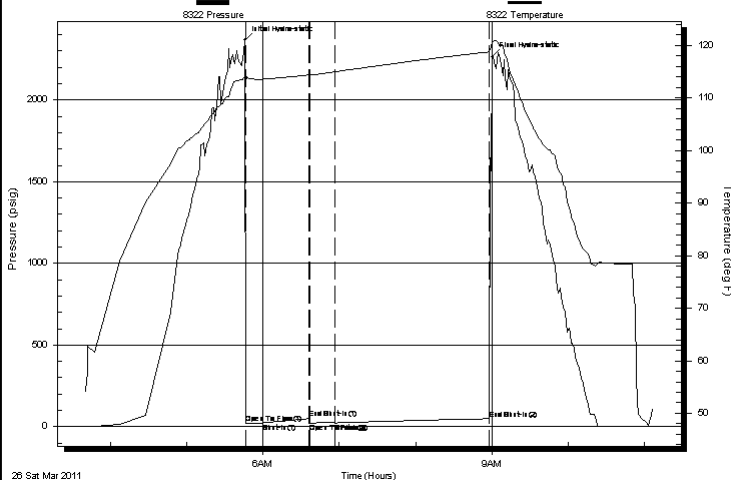
Last Calib.: 2011.03.26

Time On Btm: 2011.03.26 @ 05:45:30

Time Off Btm: 2011.03.26 @ 09:00:30

TEST COMMENT: IF: 1/2 inch blow .
IS: No return blow .
FF: No blow .
FS: No return blow .

Pressure vs. Time



PRESSURE SUMMARY

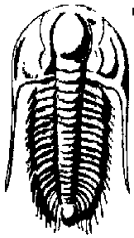
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.66	114.05	Initial Hydro-static
1	20.22	113.18	Open To Flow (1)
15	22.81	113.58	Shut-In(1)
51	48.33	114.38	End Shut-In(1)
52	22.22	114.39	Open To Flow (2)
71	22.49	114.97	Shut-In(2)
193	47.70	118.76	End Shut-In(2)
195	2263.82	120.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 30%o 70% m	0.05

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

Metzger #2-16

7851 S. Elati STE 201
Littleton, Co 80120

16 19s 33w Scott

Job Ticket: 042103

DST#: 4

ATTN: Roger Pearson

Test Start: 2011.03.26 @ 03:40:00

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 30%o 70%m	0.047

Total Length: 10.00 ft Total Volume: 0.047 bbl

Num Fluid Samples: 0

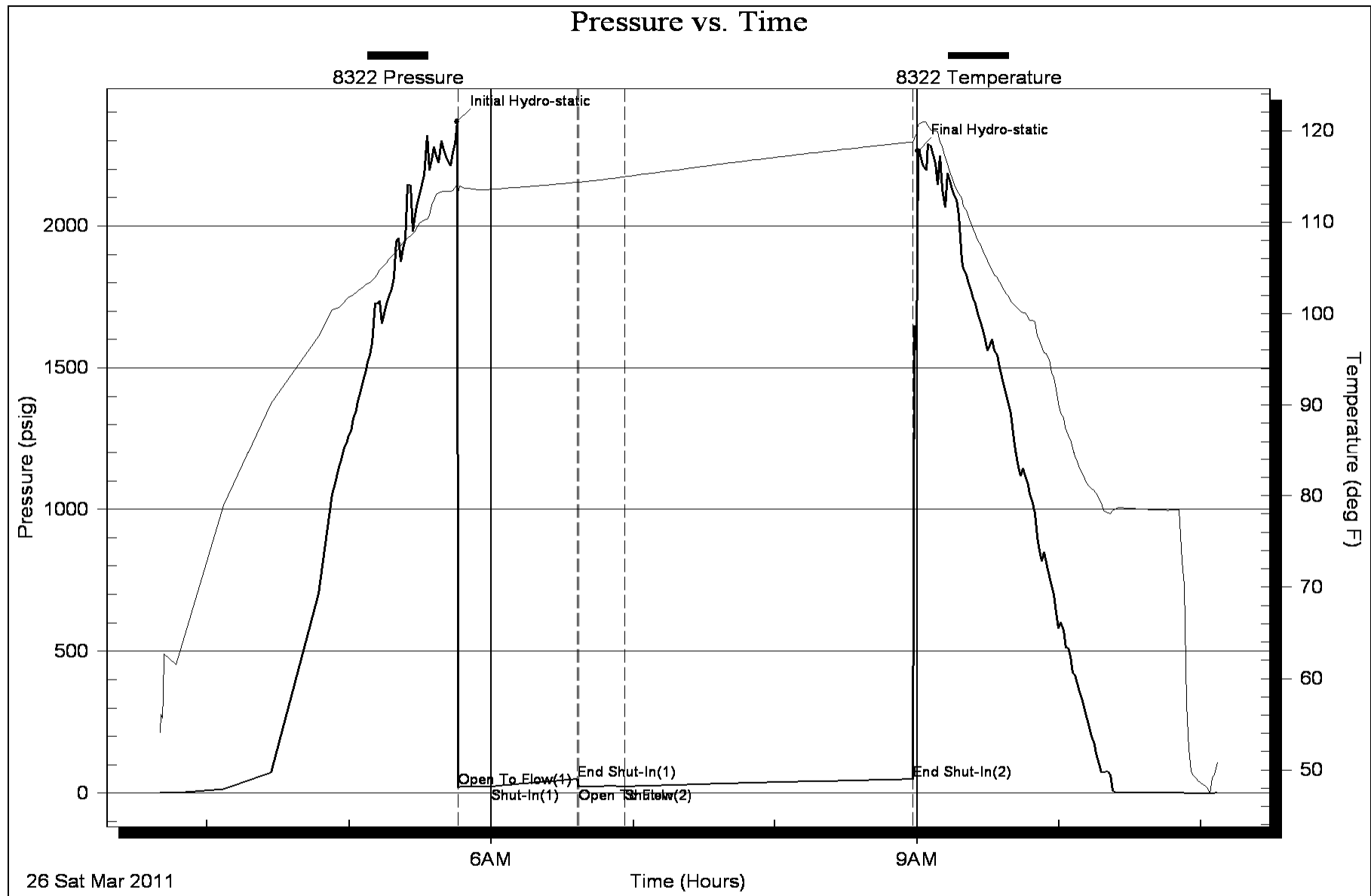
Num Gas Bombs: 0

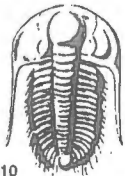
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: 2000 ML Mud w / oil specs @ 0 psi





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042103

Well Name & No. Metzger #2-16 Test No. 4 Date 03/26/11
 Company Cholla Production, LLC Elevation 2964 KB 2959 GL
 Address 7851 S. ELATI STE 201 Littleton, Co 80120
 Co. Rep / Geo. Roger Pearson Rig WW#2
 Location: Sec. 16 Twp. 19s Rge. 33w Co. Scott State Ks

Interval Tested 4576-4610 Zone Tested _____
 Anchor Length 34 Drill Pipe Run 4446 Mud Wt. 9.3
 Top Packer Depth 4571 Drill Collars Run 122 Vis 56
 Bottom Packer Depth 4576 Wt. Pipe Run Ø WL 9.6
 Total Depth 4610 Chlorides 5400 ppm System LCM 1*

Blow Description IF! 1/2 inch blow.
ISI! No return blow.
FF! No blow.
FBI! No return blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>ocm</u>	<u>30</u>		<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 119 Gravity — API RW @ °F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>2366</u>	☒ Test	<u>1225</u>	T-On Location	<u>0330</u>
(B) First Initial Flow	<u>20</u>	☒ Jars	<u>250</u>	T-Started	<u>0336</u>
(C) First Final Flow	<u>23</u>	☒ Safety Joint	<u>75</u>	T-Open	<u>0545</u>
(D) Initial Shut-In	<u>48</u>	☒ Circ Sub <u>N/C</u>		T-Pulled	<u>0855</u>
(E) Second Initial Flow	<u>22</u>	☐ Hourly Standby <u>1</u>		T-Out	<u>1107</u>
(F) Second Final Flow	<u>22</u>	☒ Mileage <u>16 RT</u>	<u>20</u>	Comments	
(G) Final Shut-In	<u>48</u>	☒ Sampler	<u>250</u>		
(H) Final Hydrostatic	<u>2264</u>	☐ Straddle			

Initial Open	<u>10</u>	☒ Shale Packer	<u>250</u>	☐ Ruined Shale Packer	
Initial Shut-In	<u>40</u>	☐ Extra Packer		☐ Ruined Packer	
Final Flow	<u>20</u>	☐ Extra Recorder		☐ Extra Copies	
Final Shut-In	<u>120</u>	☐ Day Standby		Sub Total	<u>Ø</u>
		☐ Accessibility		Total	<u>2070</u>
		Sub Total	<u>2070</u>	MP/DST Disc't	

Approved By Roger Pearson

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 042103 Date 3/26/11
Company Name Cholla Production, LLC
Lease Metzger #2-16 Test No. 4
County Scott Sec. 16 Twp. 19S Rng. 33W

SAMPLER RECOVERY

Gas _____ ML Chlorides 5400 ppm.
Oil TRACE ML Resistivity 2.32 ohms @ 40 F
Mud 2000 ML Viscosity 56
Water _____ ML Mud Weight 9.3
Other _____ ML Filtrate 9.6
Pressure 20 PSI ~~ML~~ Other CCM 1#
Total 2000 ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @60F

PIPE RECOVERY

TOP
Resistivity 2.32 ohms @ 40 F
Chlorides 5400 ppm.

MIDDLE
Resistivity 2.32 ohms @ 40 F
Chlorides 5400 ppm.

BOTTOM
Resistivity 2.32 ohms @ 40 F
Chlorides 5400 ppm.