



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

G Farms #1-8

8-21s-24w Hodgeman,KS

Start Date: 2016.08.08 @ 08:05:15

End Date: 2016.08.08 @ 13:26:15

Job Ticket #: 64597 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.08.09 @ 09:00:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

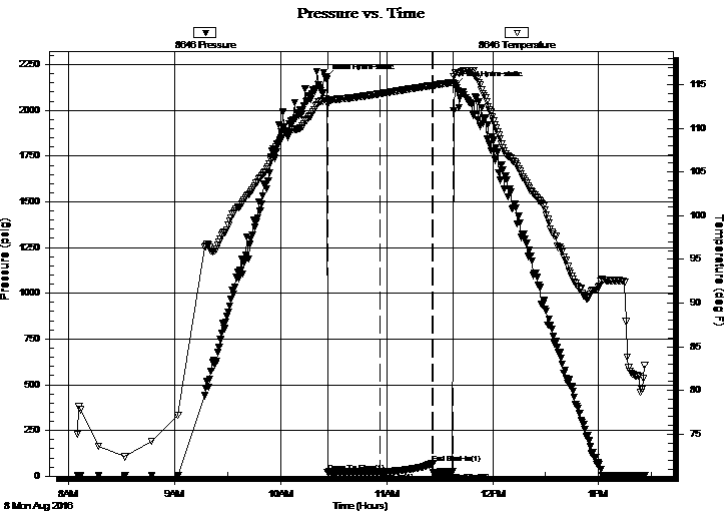
8-21s-24w Hodgeman,KS
G Farms #1-8
Job Ticket: 64597 **DST#: 1**
Test Start: 2016.08.08 @ 08:05:15

GENERAL INFORMATION:

Formation: **Miss Warsaw**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 10:26:30 Tester: Mike Roberts
Time Test Ended: 13:26:15 Unit No: 81
Interval: 4394.00 ft (KB) To 4415.00 ft (KB) (TVD) Reference Elevations: 2283.00 ft (KB)
Total Depth: 4415.00 ft (KB) (TVD) 2275.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8646 Inside
Press@RunDepth: 22.41 psig @ 4395.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.08.08 End Date: 2016.08.08 Last Calib.: 2016.08.08
Start Time: 08:05:15 End Time: 13:26:15 Time On Btm: 2016.08.08 @ 10:25:45
Time Off Btm: 2016.08.08 @ 11:39:00

TEST COMMENT: IF: Built to weak surface blow
IS: No return blow
FF: No blow
FS: Pulled



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.46	113.39	Initial Hydro-static
1	22.18	112.75	Open To Flow (1)
31	22.41	113.94	Shut-In(1)
60	69.23	114.90	End Shut-In(1)
61	21.71	114.89	Open To Flow (2)
72	22.80	115.24	Shut-In(2)
74	2135.78	116.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100% m	0.00

Gas Rates

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



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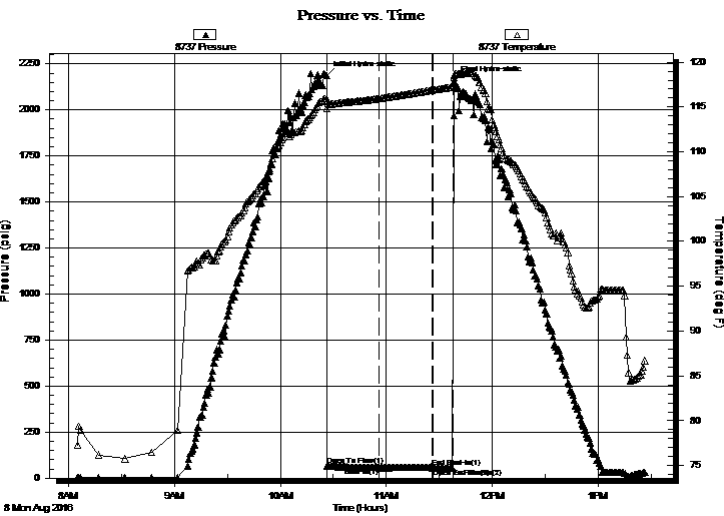
8-21s-24w Hodgeman,KS
G Farms #1-8
 Job Ticket: 64597 **DST#: 1**
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GENERAL INFORMATION:

Formation: **Miss Warsaw**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:26:30
 Time Test Ended: 13:26:15
 Interval: **4394.00 ft (KB) To 4415.00 ft (KB) (TVD)**
 Total Depth: 4415.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 2283.00 ft (KB)
 2275.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8737 Outside
 Press@RunDepth: 53.49 psig @ 4395.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.08 End Date: 2016.08.08 Last Calib.: 2016.08.08
 Start Time: 08:05:15 End Time: 13:26:30 Time On Btm: 2016.08.08 @ 10:26:15
 Time Off Btm: 2016.08.08 @ 11:38:30

TEST COMMENT: IF: Built to weak surface blow
 IS: No return blow
 FF: No blow
 FS: Pulled



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.69	115.94	Initial Hydro-static
1	67.74	114.80	Open To Flow (1)
30	56.34	115.94	Shut-In(1)
60	61.11	116.88	End Shut-In(1)
60	55.02	116.89	Open To Flow (2)
72	53.49	117.24	End Shut-In(2)
73	2157.30	118.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100% m	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

8-21s-24w Hodgeman,KS

PO Box 399
Garden City KS 67846

G Farms #1-8

Job Ticket: 64597

DST#: 1

ATTN: Jason Alm

Test Start: 2016.08.08 @ 08:05:15

Tool Information

Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 bbl	Tool Weight: 11500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4394.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4367.00	
Shut In Tool	5.00			4372.00	
Hydraulic tool	5.00			4377.00	
Jars	5.00			4382.00	
Safety Joint	3.00			4385.00	
Packer	5.00			4390.00	28.00 Bottom Of Top Packer
Packer	4.00			4394.00	
Stubb	1.00			4395.00	
Recorder	0.00	8646	Inside	4395.00	
Recorder	0.00	8737	Outside	4395.00	
Perforations	15.00			4410.00	
Bullnose	5.00			4415.00	21.00 Bottom Packers & Anchor

Total Tool Length: 49.00



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FLUID SUMMARY

American Warrior Inc.

8-21s-24w Hodgeman,KS

PO Box 399
Garden City KS 67846

G Farms #1-8

Job Ticket: 64597

DST#: 1

ATTN: Jason Alm

Test Start: 2016.08.08 @ 08:05:15

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: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1.00	mud 100%m	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

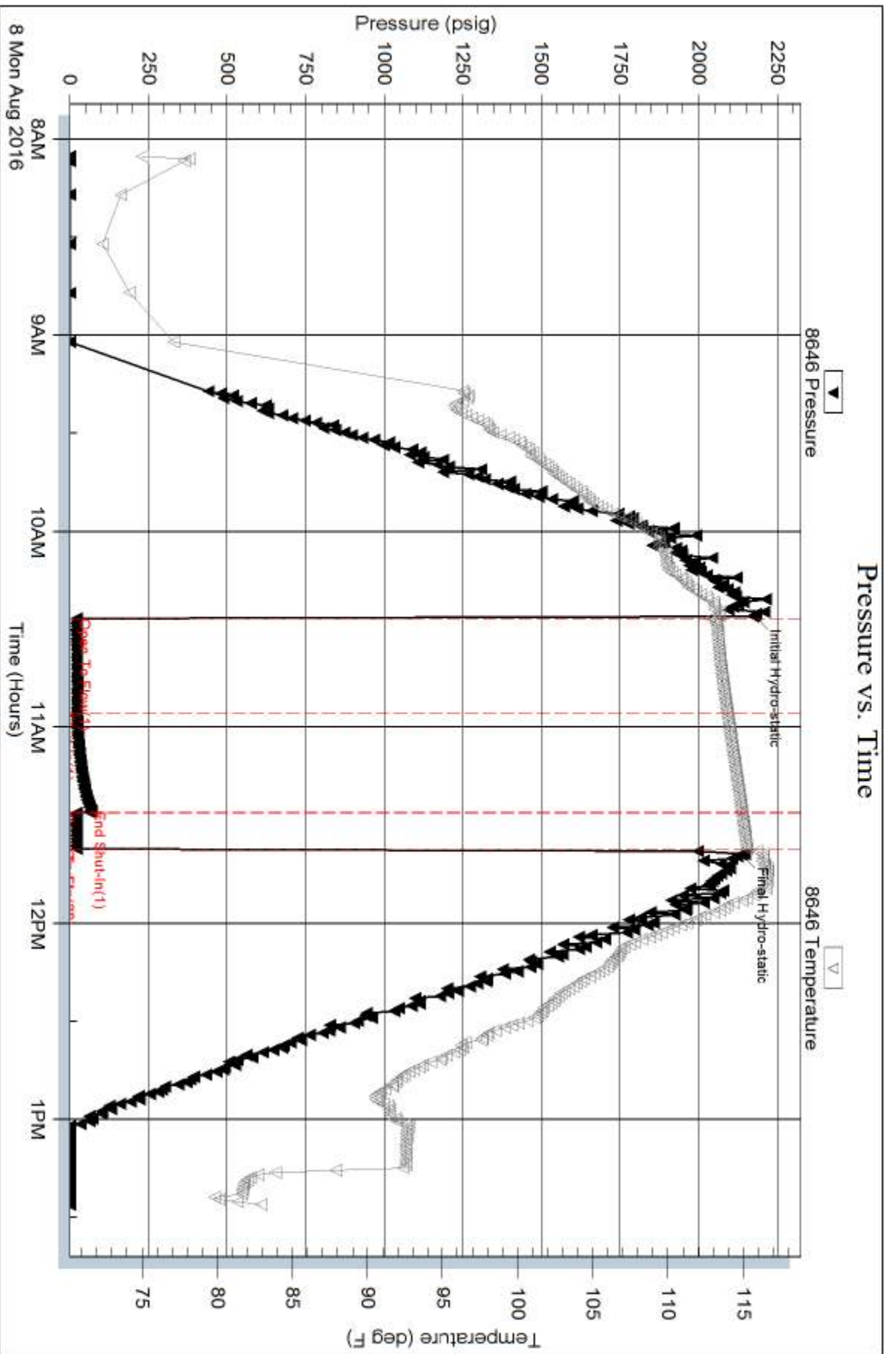
Serial #: 8646

Inside

American Warrior Inc.

G Farms #1-8

DST Test Number: 1

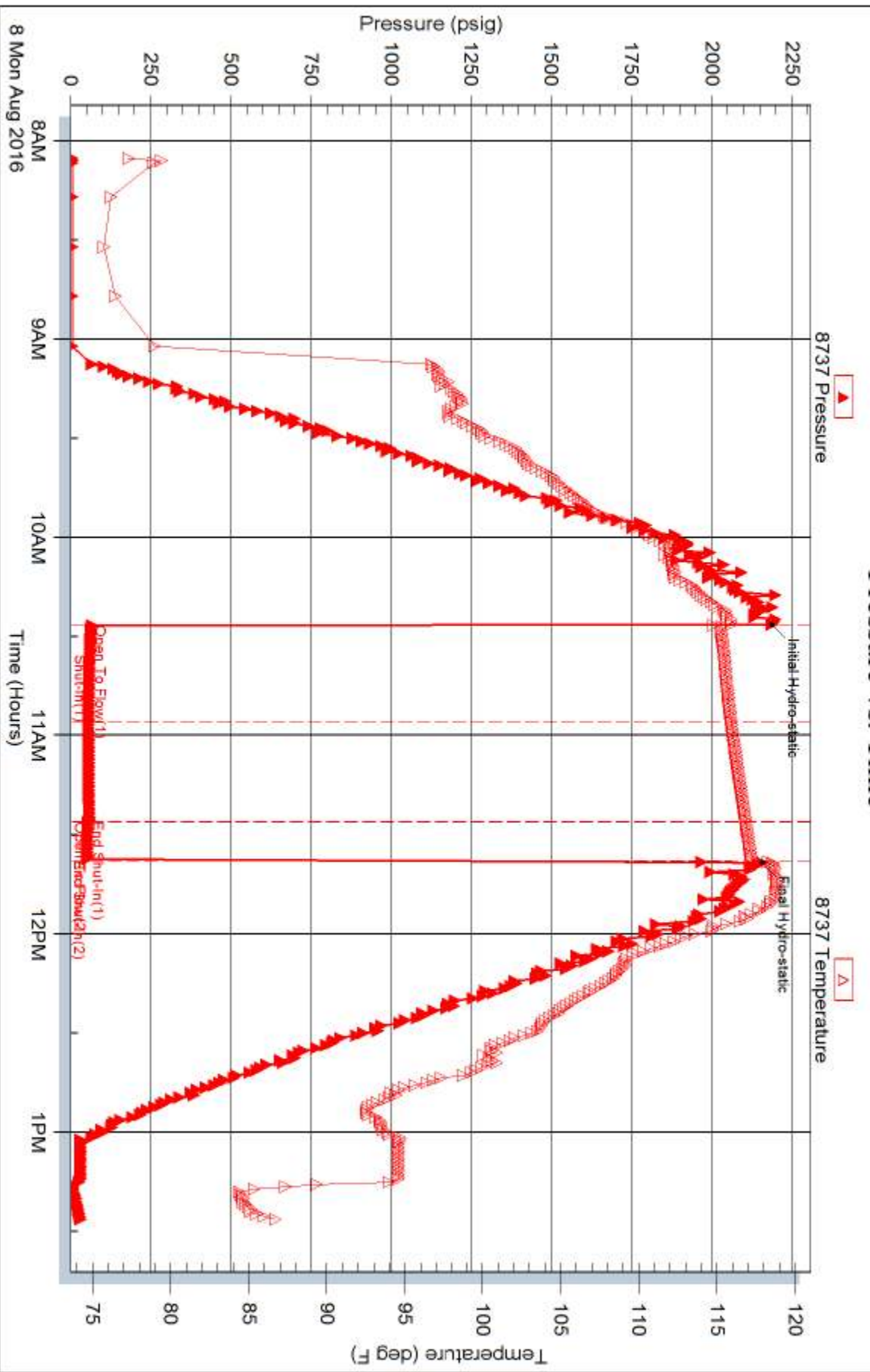


Trilobite Testing, Inc

Ref. No: 64597

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Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64597**

Well Name & No. G Farms #1-8 Test No. 1 Date 8-8-16
 Company American Warrior Inc Elevation 2283 KB 2275 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Jasan Alm Rig Disco 3
 Location: Sec. 8 Twp. 21S Rge. 24W Co. Hodgeman State KS

Interval Tested 4394-4415 Zone Tested Miss Warsaw
 Anchor Length 21 Drill Pipe Run 4342 Mud Wt. 9.1
 Top Packer Depth 4389- Drill Collars Run 31 Vis 46
 Bottom Packer Depth 4394 Wt. Pipe Run 0 WL 7.4
 Total Depth 4415 Chlorides 2800 ppm System LCM 2
 Blow Description IF: Weak Surface Blow
IS: NO Return Blow
FF: NO Blow
FS: Pull

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>MUD</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 1 BHT 117
 (A) Initial Hydrostatic 2187
 (B) First Initial Flow 67
 (C) First Final Flow 56
 (D) Initial Shut-In 61
 (E) Second Initial Flow 55
 (F) Second Final Flow —
 (G) Final Shut-In 53
 (H) Final Hydrostatic 2157
 Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In Pull

Gravity — API RW — @ — ° F Chlorides — ppm
 Test \$1150.00/- T-On Location 05:10
 Jars \$250.00/- T-Started 08:05
 Safety Joint \$75.00/- T-Open 10:25
 Circ Sub NC T-Pulled 11:35
 Hourly Standby — T-Out 13:26
 Mileage 150 RT = \$112.50/- Comments Loaded tools
112.50 mileage from Ness
 Sampler — City House 20 Miles
 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1700
 Accessibility 1700 MP/DST Disc't —
 Sub Total \$1587.50/-

Approved By — Our Representative Mike Roberts

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