



DRILL STEM TEST REPORT

Prepared For: **Aleo Oil Co**

5907 W Broadway
Great Bend KS 67530

ATTN: Steve Murphy

Deines #3

36-15s-14w Russell,KS

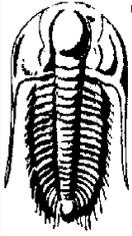
Start Date: 2012.11.21 @ 23:30:00

End Date: 2012.11.22 @ 08:06:00

Job Ticket #: 51527 DST #: 1

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

Printed: 2012.11.23 @ 14:50:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Aleo Oil Co
 5907 W Broadw ay
 Great Bend KS 67530
 ATTN: Steve Murphy

36-15s-14w Russell,KS
Deines #3
 Job Ticket: 51527 **DST#: 1**
 Test Start: 2012.11.21 @ 23:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: 1872.00 ft (KB)
 Time Tool Opened: 02:39:40
 Time Test Ended: 08:06:00
 Interval: **3290.00 ft (KB) To 3304.00 ft (KB) (TVD)**
 Total Depth: 3304.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 41
 Reference Elevations: 1872.00 ft (KB)
 1860.00 ft (CF)
 KB to GR/CF: 12.00 ft

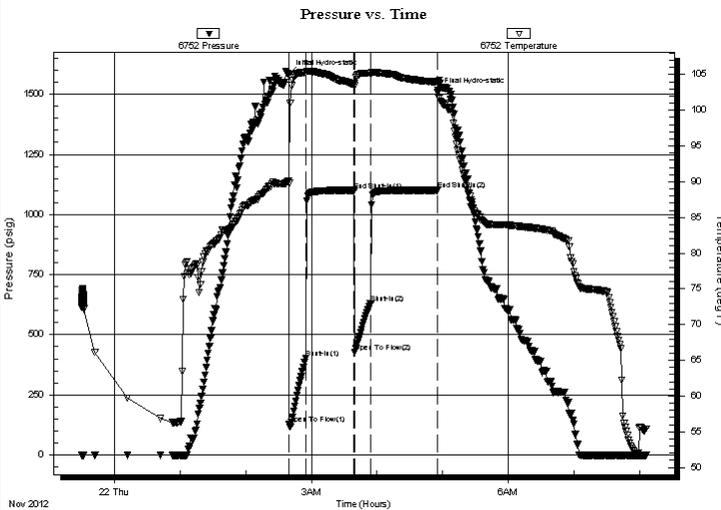
Serial #: 6752

Inside

Press @ Run Depth: 630.54 psig @ 3291.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.21 End Date: 2012.11.22 Last Calib.: 2012.11.22
 Start Time: 23:30:01 End Time: 08:05:40 Time On Btm: 2012.11.22 @ 02:39:20
 Time Off Btm: 2012.11.22 @ 04:55:20

TEST COMMENT: 15-IFP- BOB in 1 min.
 45-ISIP- Surface Blow in 4 min.
 15-FFP- BOB in 1 min.
 60-FSIP- Surface Blow Building to 1" in 12 min. Died Back in 40 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.71	90.11	Initial Hydro-static
1	128.54	89.77	Open To Flow (1)
16	401.86	105.28	Shut-In(1)
60	1099.77	103.65	End Shut-In(1)
60	428.14	103.47	Open To Flow (2)
76	630.54	105.18	Shut-In(2)
136	1101.64	103.89	End Shut-In(2)
136	1509.37	103.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
257.00	GO 40%g 60%o	3.61
378.00	Gassy MOCW 40%g 5%m 25%o 30%w	5.30
378.00	OMCW 5%o 10%m 85W	5.30
472.00	MCW 5%m 95%w	6.62
0.00	307 GIP	0.00

Gas Rates

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



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TESTING, INC.**

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TOOL DIAGRAM

Aleo Oil Co
5907 W Broadway
Great Bend KS 67530
ATTN: Steve Murphy

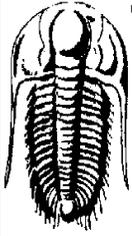
36-15s-14w Russell, KS
Deines #3
Job Ticket: 51527 **DST#: 1**
Test Start: 2012.11.21 @ 23:30:00

Tool Information

Drill Pipe:	Length: 3294.00 ft	Diameter: 3.80 inches	Volume: 46.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 46.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3290.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3275.00	
Hydraulic tool	5.00			3280.00	
Packer	5.00			3285.00	20.00 Bottom Of Top Packer
Packer	5.00			3290.00	
Stubb	1.00			3291.00	
Recorder	0.00	6752	Inside	3291.00	
Recorder	0.00	8322	Outside	3291.00	
Perforations	10.00			3301.00	
Bullnose	3.00			3304.00	14.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



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FLUID SUMMARY

Aleo Oil Co
5907 W Broadw ay
Great Bend KS 67530
ATTN: Steve Murphy

36-15s-14w Russell,KS
Deines #3
Job Ticket: 51527 **DST#: 1**
Test Start: 2012.11.21 @ 23:30:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 27500 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.77 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
257.00	GO 40%g 60%o	3.605
378.00	Gassy MOCW 40%g 5%m 25%o 30%w	5.302
378.00	OMCW 5%o 10%m 85W	5.302
472.00	MCW 5%m 95%w	6.621
0.00	307 GIP	0.000

Total Length: 1485.00 ft Total Volume: 20.830 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .313 @ 56

Serial #: 6752

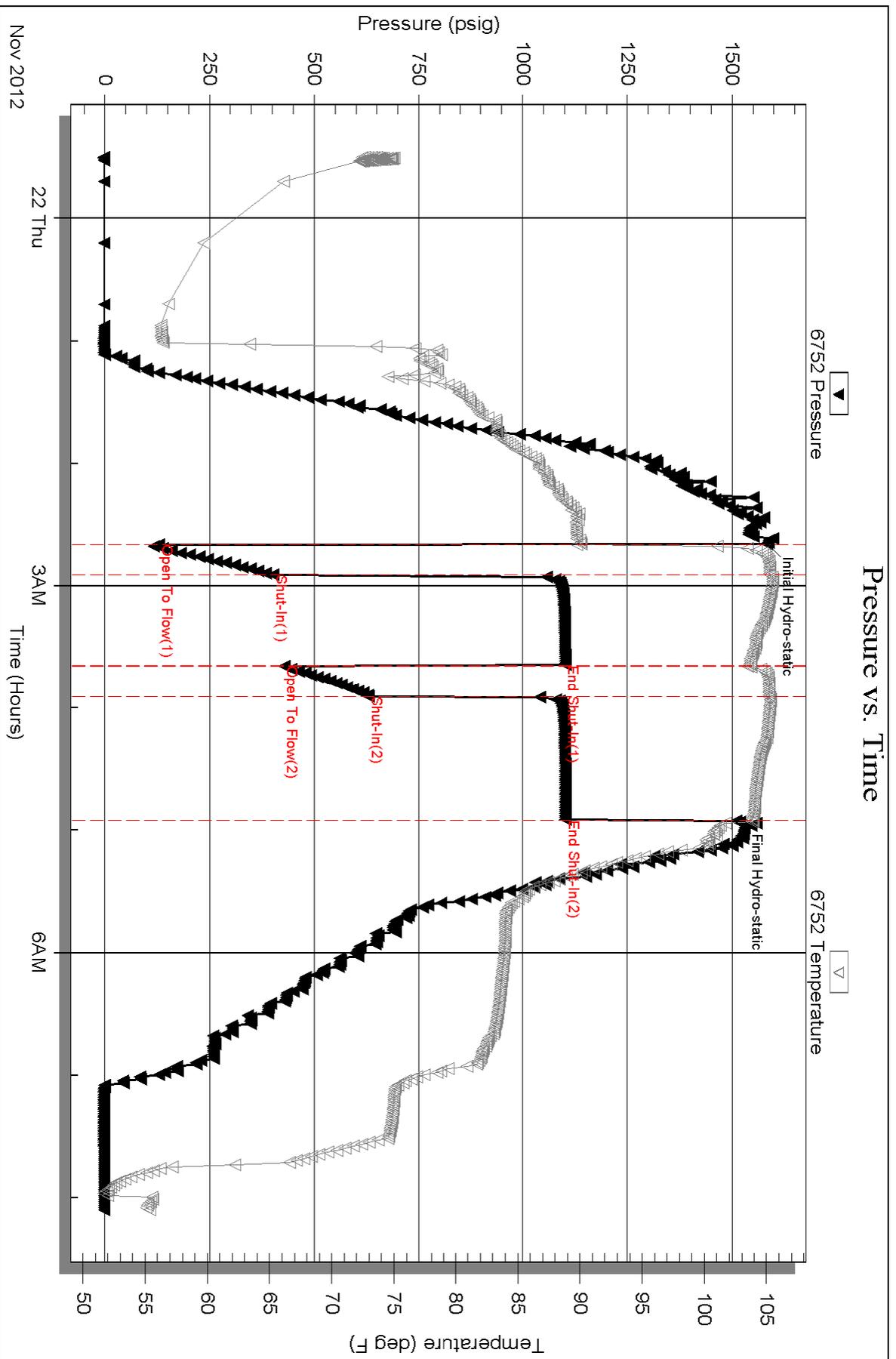
Inside

Aleo Oil Co

Deines #3

DST Test Number: 1

Pressure vs. Time

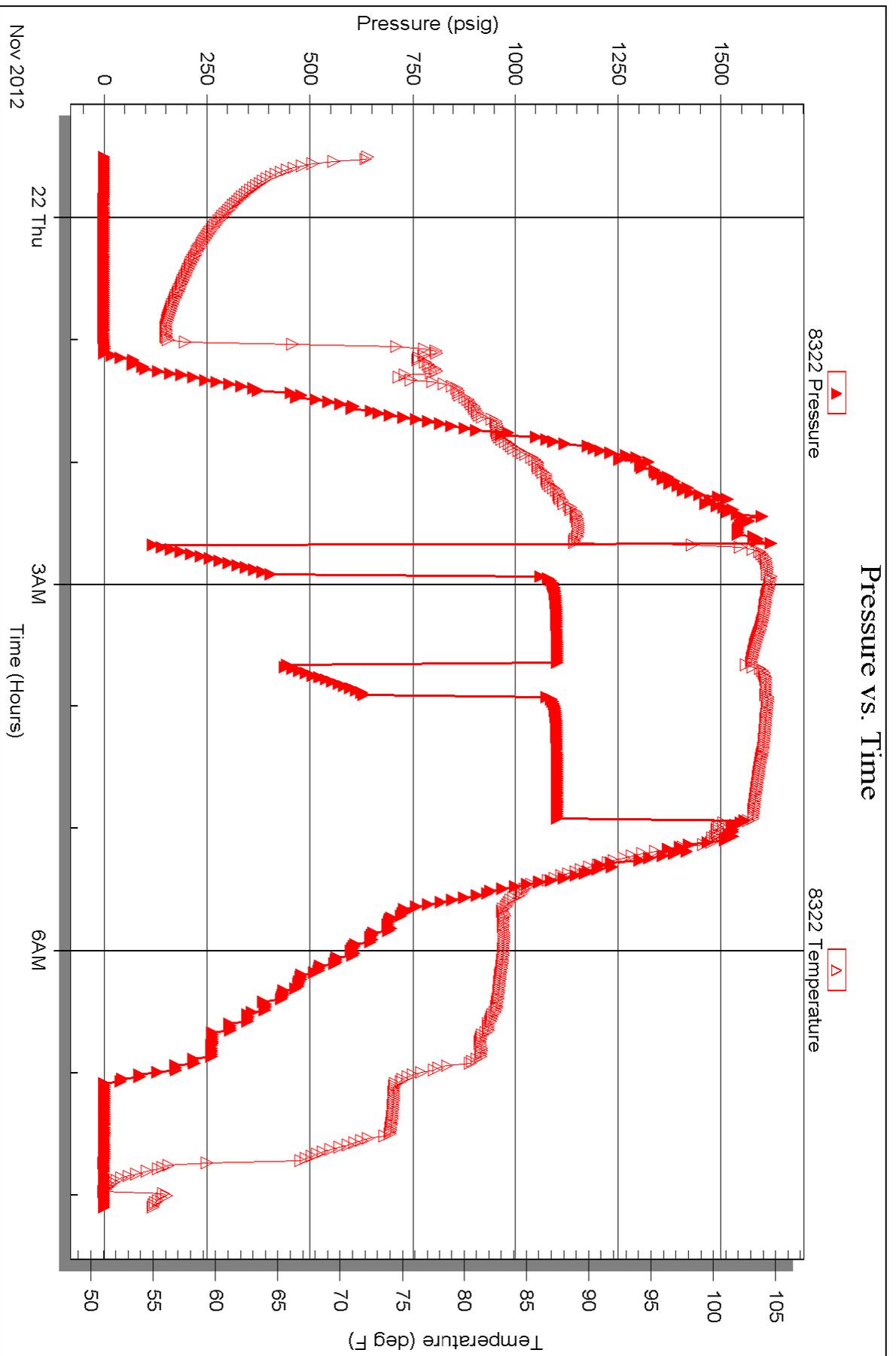


Serial #: 8322

Outside Aleo Oil Co

Deines #3

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51527

4/10

Well Name & No. Deives #3 Test No. 1 Date 11-21-12
 Company Aleo Oil Co. Elevation 1872 KB 1860 GL
 Address 5907 W. Broadway Great Bend Ks. 67530
 Co. Rep / Geo. Steve Murphy Rig Southwind #70
 Location: Sec. 36 Twp. 15²⁵ Rge. 14W Co. Russell State KS

Interval Tested 3290 - 3304 Zone Tested Arbuckle
 Anchor Length 14 Drill Pipe Run 3294 Mud Wt. 8.8
 Top Packer Depth 3285 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3290 Wt. Pipe Run 0 WL 8.8
 Total Depth 3304 Chlorides 3000 ppm System LCM 1

Blow Description IFP - BOB lamin
ISIP - SURFACE Blow in 4min
FFP - BOB lamin
FSIP - SURFACE Blow Building to lin. in 12min Ried in 40min

Rec	Feet of	%gas	%oil	%water	%mud
<u>257</u>	<u>MO</u>	<u>40</u>	<u>60</u>		
<u>378</u>	<u>Nassy MOCW</u>	<u>40</u>	<u>25</u>	<u>30</u>	<u>5</u>
<u>378</u>	<u>0 MOCW</u>		<u>5</u>	<u>85</u>	<u>10</u>
<u>472</u>	<u>MCW</u>			<u>95</u>	<u>5</u>
	<u>307-DIP</u>				

Rec Total 1485 BHT 104 Gravity 39 API RW .313 @ 56 °F Chlorides 27500 ppm

(A) Initial Hydrostatic 1582 Test 1150 T-On Location 21:35
 (B) First Initial Flow 128 Jars T-Started 23:30
 (C) First Final Flow 401 Safety Joint T-Open 02:40
 (D) Initial Shut-In 1099 Circ Sub T-Pulled 04:55
 (E) Second Initial Flow 428 Hourly Standby T-Out 08:06
 (F) Second Final Flow 630 Mileage 72rt 111.60 Comments _____
 (G) Final Shut-In 1101 Sampler _____
 (H) Final Hydrostatic 1509 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 15 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1511.60 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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