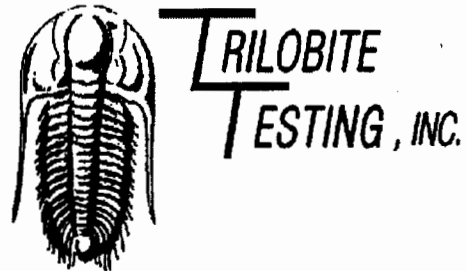


15-167-23337

31-15s-13w



DRILL STEM TEST REPORT

Prepared For: **Aleo Oil Company**

1864 NW 20 th.
Hoisington KS 67544

ATTN: Gerald Michaelis

31-15s-13w

Leo # 1

Start Date: 2006.03.24 @ 19:13:43

End Date: 2006.03.25 @ 01:28:13

Job Ticket #: 24227 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Aleo Oil Company

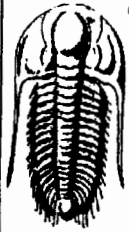
Leo # 1

31-15s-13w

DST # 1

L.Kc-A & B

2006.03.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Aleo Oil Company

Leo # 1

1864 NW 20 th.
Hoisington KS 67544

31-15s-13w

Job Ticket: 24227

DST#: 1

ATTN: Gerald Michaelis

Test Start: 2006.03.24 @ 19:13:43

GENERAL INFORMATION:

Formation: **L.Kc.-A & B**

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

Time Tool Opened: 20:31:13

Time Test Ended: 01:28:13

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3035.00 ft (KB) To 3069.00 ft (KB) (TVD)**

Reference Elevations: **1859.00 ft (KB)**

Total Depth: **3069.00 ft (KB) (TVD)**

1850.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **9.00 ft**

Serial #: **8018** Inside

Press@RunDepth: **150.36 psig @ 3041.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.03.24**

End Date: **2006.03.25**

Last Calib.: **2006.03.25**

Start Time: **19:13:48**

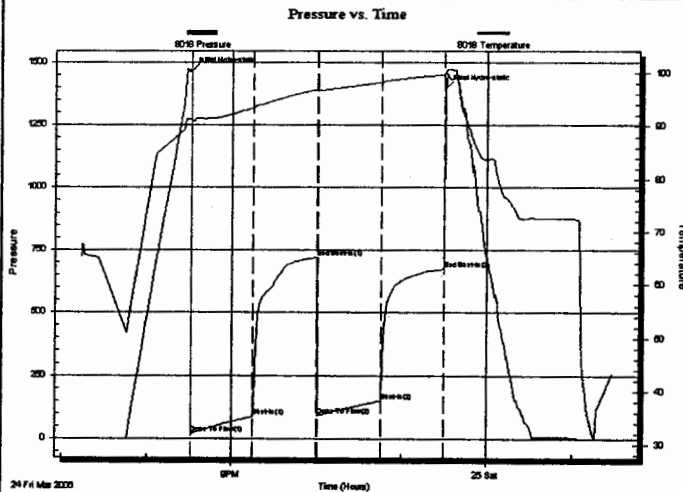
End Time: **01:28:12**

Time On Btm: **2006.03.24 @ 20:30:43**

Time Off Btm: **2006.03.24 @ 23:30:43**

TEST COMMENT: **F-Strong B.O.B.20 min.**
FF-Strong B.O.B.28 min.

ISI-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1464.43	91.28	Initial Hydro-static
1	17.64	90.94	Open To Flow (1)
45	87.95	93.51	Shut-in(1)
90	717.96	96.88	End Shut-in(1)
90	91.15	96.63	Open To Flow (2)
135	150.36	98.29	Shut-in(2)
180	672.44	99.73	End Shut-in(2)
180	1395.92	100.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
536.00	Salt water	7.52

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Aleo Oil Company

Leo # 1

1864 NW 20 th.
Hoisington KS 67544

31-15s-13w

Job Ticket: 24227

DST#: 1

ATTN: Gerald Michaelis

Test Start: 2006.03.24 @ 19:13:43

Tool Information

Drill Pipe:	Length: 3045.00 ft	Diameter: 3.80 inches	Volume: 42.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 43000.00 lb
			<u>Total Volume: 42.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3035.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 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			3016.00	
Shut In Tool	5.00			3021.00	
Hydraulic tool	5.00			3026.00	
Packer	4.00			3030.00	20.00 Bottom Of Top Packer
Packer	5.00			3035.00	
Stubb	1.00			3036.00	
Perforations	5.00			3041.00	
Recorder	0.00	8018	Inside	3041.00	
Perforations	25.00			3066.00	
Recorder	0.00	13308	Outside	3066.00	
Bullnose	3.00			3069.00	34.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Aleo Oil Company

Leo # 1

1864 NW 20 th.
Hoisington KS 67544

31-15s-13w

Job Ticket: 24227

DST#: 1

ATTN: Gerald Michaelis

Test Start: 2006.03.24 @ 19:13:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

53000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
536.00	Salt water	7.519

Total Length: 536.00 ft

Total Volume: 7.519 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8018

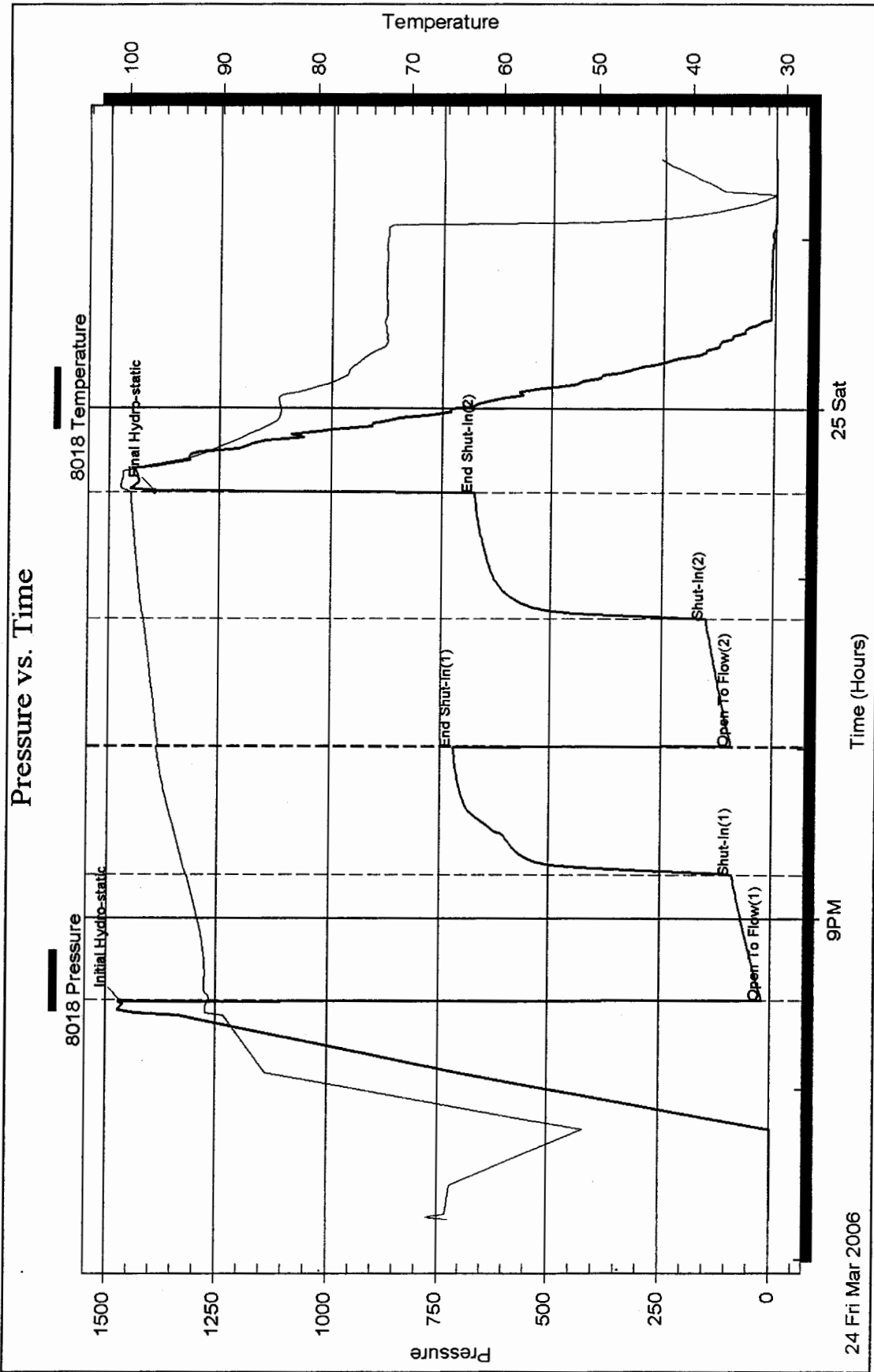
Inside

Aleo Oil Company

31-15s-13w

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Aleo Oil Company**

1864 NW 20 th.
Hoisington KS 67544

ATTN: Gerald Michaelis

31-15s-13w

Leo # 1

Start Date: 2006.03.26 @ 02:50:24

End Date: 2006.03.26 @ 09:00:24

Job Ticket #: 24228 DST #: 2

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

Aleo Oil Company

Leo # 1

31-15s-13w

DST # 2

Arbuckle

2006.03.26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Aleo Oil Company
 1864 NW 20 th.
 Hoisington KS 67544
 ATTN: Gerald Michaelis

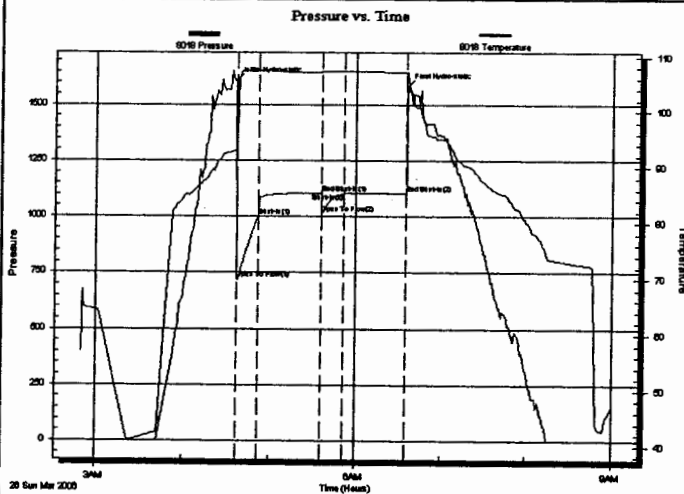
Leo # 1
31-15s-13w
 Job Ticket: 24228 **DST#: 2**
 Test Start: 2006.03.26 @ 02:50:24

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **04:37:24**
 Tester: **John Schmidt**
 Time Test Ended: **09:00:24**
 Unit No: **31**
 Interval: **3273.00 ft (KB) To 3283.00 ft (KB) (TVD)**
 Reference Elevations: **1859.00 ft (KB)**
 Total Depth: **3283.00 ft (KB) (TVD)**
1850.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **9.00 ft**

Serial #: 8018 **Inside**
 Press@RunDepth: **1102.82 psig @ 3279.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2006.03.26** End Date: **2006.03.26** Last Calib.: **2006.03.26**
 Start Time: **02:50:29** End Time: **09:00:23** Time On Btm: **2006.03.26 @ 04:36:24**
 Time Off Btm: **2006.03.26 @ 06:36:24**

TEST COMMENT: **F-Strong B.O.B.30 Sec.** **ISI-Dead**
FF-Strong B.O.B.30 Sec. **FSI-Dead**



PRESSURE SUMMARY

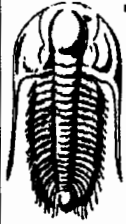
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.46	93.02	Initial Hydro-static
1	719.33	93.81	Open To Flow (1)
16	999.90	107.46	Shut-In(1)
60	1104.87	107.25	End Shut-In(1)
60	1013.58	107.29	Open To Flow (2)
76	1102.82	107.38	Shut-In(2)
119	1105.94	107.08	End Shut-In(2)
120	1578.39	106.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	S.W.	1.40
650.00	S.W. with tr. of oil	9.12
400.00	oil cut water 5%oil 95%S.W.	5.61
400.00	oil cut water 10%oil 90%S.W.	5.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Aleo Oil Company

Leo # 1

1864 NW 20 th.
Hoisington KS 67544

31-15s-13w

Job Ticket: 24228

DST#: 2

ATTN: Gerald Michaelis

Test Start: 2006.03.26 @ 02:50:24

Tool Information

Drill Pipe:	Length: 3260.00 ft	Diameter: 3.80 inches	Volume: 45.73 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 52000.00 lb
			<u>Total Volume: 45.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3273.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 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			3254.00	
Shut In Tool	5.00			3259.00	
Hydraulic tool	5.00			3264.00	
Packer	4.00			3268.00	20.00 Bottom Of Top Packer
Packer	5.00			3273.00	
Stubb	1.00			3274.00	
Perforations	5.00			3279.00	
Recorder	0.00	8018	Inside	3279.00	
Perforations	1.00			3280.00	
Bullnose	3.00			3283.00	10.00 Bottom Packers & Anchor
Total Tool Length:	30.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Aleo Oil Company
1864 NW 20 th.
Hoisington KS 67544

Leo # 1
31-15s-13w
Job Ticket: 24228 **DST#: 2**
Test Start: 2006.03.26 @ 02:50:24

ATTN: Gerald Michaelis

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	25000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	S.W.	1.403
650.00	S.W. with tr. of oil	9.118
400.00	oil cut water 5%oil 95%S.W.	5.611
400.00	oil cut water 10%oil 90%S.W.	5.611

Total Length: 1550.00 ft Total Volume: 21.743 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

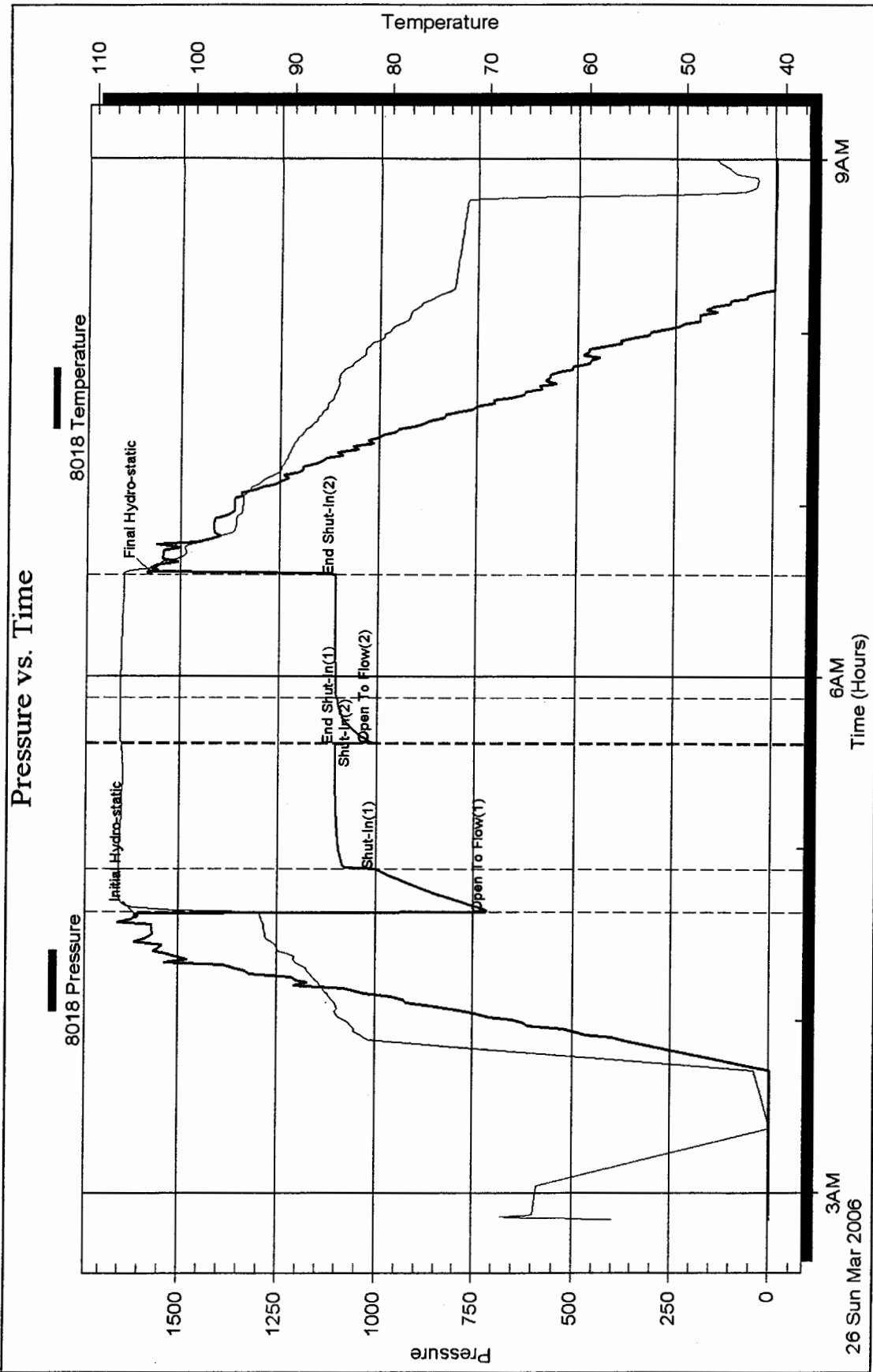
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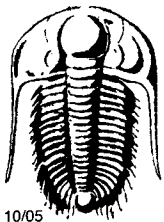
Inside

Aleo Oil Company

31-15s-13w

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8564

No 24227

Test Ticket

Well Name & No. LEO #1 Test No. #1 Date 3-24-06
 Company ALEC OIL CO. Zone Tested L.KC. - A+B
 Address 1864 N.W. 20TH. HOISINGTON, KS. 67544 Elevation 1859 KB 1850 GL
 Co. Rep / Geo. TODD MORGENSTERN Rig SOUTH WIND #2
 Location: Sec. 31 Twp. 15S Rge. 13W Co. RUSSELL State KS.
 Comment: _____ Release date / time: _____

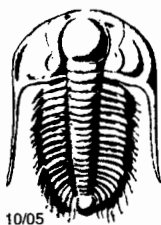
Interval Tested 3035 To 3069 Initial Str Wt./Lbs. 36,000 Unseated Str Wt/Lbs. 38,000
 Anchor Length 34' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 43,000
 Top Packer Depth 3030 Tool Weight 2,200
 Bottom Packer Depth 3035 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3069 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.2 LCM 1/2" Vis. 44 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3045
 Blow Description IF- STRONG B.D.B, 20-MIN. ISF- DEAD
FF- STRONG B.O.B, 28-MIN. FSE- DEAD

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>536'</u>	<u>0</u>	<u>0</u>	<u>536'</u>
Rec. <u>536'</u>	Feet of <u>SALT WATER</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>99</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>.17</u>	@ <u>60</u> °F	Chlorides <u>53,000</u> ppm	Recovery _____ Chlorides <u>6,000</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1464</u> PSI	<u>8018</u>	<u>B, HOLE 1000</u>	
(B) First Initial Flow Pressure	<u>17</u> PSI	(depth) <u>3041</u>	Jars _____	
(C) First Final Flow Pressure	<u>87</u> PSI	Recorder No. <u>13308</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>217</u> PSI	(depth) <u>3066</u>	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>91</u> PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>150</u> PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>672</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1395</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____	
		Final Flow <u>45</u>	Ruined Packer _____	
		Final Shut-In <u>45</u>	Mileage <u>RT-83</u> <u>103.75</u>	
		T-On Location <u>17:30</u>	Sub Total: <u>1103.75</u>	
		T-Started <u>19:13</u>	Std. By _____	
		T-Open <u>20:31</u>	Acc. Chg: _____	
		T-Pulled <u>23:30</u>	Other: _____	
		T-Out <u>01:28</u>	Total: _____	

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Approved By _____
 Our Representative John J. Schmidt



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24228

Test Ticket

Well Name & No. LEO # 1 Test No. F 2 Date 3-26-06
 Company ALEO OIL CO. Zone Tested AIRBUCKLE
 Address _____ Elevation 1859 KB 1850 GL
 Co. Rep / Geo. TODD MORGENSTERN Rig SOUTHWIND # 2
 Location: Sec. 31 Twp. 15S Rge. 13W Co. RUSSELL State KS
 Comment: _____ Release date / time: _____

Interval Tested 3273 to 3283 Initial Str Wt./Lbs. 36,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 10' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 52,000
 Top Packer Depth ~~3283~~ 3278 Tool Weight 2,200
 Bottom Packer Depth 3283 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3283 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.0 LCM 1# Vis. 49 WL 9.2 Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description IF - STRONG B.O.B. 30-SEC. FBI - DEAD
FF - STRONG B.O.B. 30-SEC. FBI - DEAD

Recovery - Total Feet 2450 GIP 0 Ft. in DC 0 Ft. in DP 2450
 Rec. 400 Feet of OIL CUT WATER %gas 10 %oil 90 %water _____ %mud _____
 Rec. 400 Feet of " " " %gas 5 %oil 95 %water _____ %mud _____
 Rec. 650 Feet of S.W. WITH TR. OF OIL %gas _____ %oil _____ %water _____ %mud _____
 Rec. 1000 Feet of S.W. %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .33 @ 60 °F Chlorides 25,000 ppm Recovery _____ Chlorides 6,500 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1607	PSI	Recorder No.	<u>8018</u>	Test	<u>B. HOLE 1000</u>
(B) First Initial Flow Pressure			<u>719</u>	PSI	(depth)		Jars	
(C) First Final Flow Pressure			<u>999</u>	PSI	Recorder No.		Safety Jt.	
(D) Initial Shut-In Pressure			<u>1104</u>	PSI	(depth)		Circ Sub	
(E) Second Initial Flow Pressure			<u>1013</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			<u>1102</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			<u>1105</u>	PSI	Initial Opening	<u>15</u>	Ext. Packer	
(Q) Final Hydrostatic Mud			<u>1578</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer	
					Final Flow	<u>15</u>	Ruined Packer	
					Final Shut-In	<u>45</u>	Mileage	<u>RT. 83 103.75</u>
					T-On Location	<u>02:15</u>	Sub Total:	<u>1103.75</u>
					T-Started	<u>02:50</u>	Std. By	
					T-Open	<u>04:37</u>	Acc. Chg:	
					T-Pulled	<u>06:36</u>	Other:	
					T-Out	<u>09:00</u>	Total:	

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Approved By Todd E. Morgenstern
 Our Representative John J. Schmidt