

15-163-23371

33-9s-20w



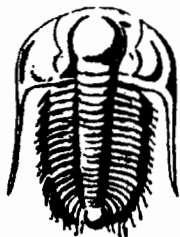
DRILL STEM TEST REPORT

Prepared for

Mai Oil Operations, Inc.
PO Box 33
Russell, KS 67665

Marcotte 33-1
33-9S-20W
Rooks, Co. Kansas

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

PO Box 33

Russell, KS 67665

Well name#:	Marcotte 33-1	Date:	4/12/2003
Location#:	33-9S-20W Rooks, Co. Kansas	Ticket #:	16985
		DST#	1

General Informaion:

Formation:	LKC	Test Type:	Conventional	BHT:	109
Interval:	3572-3632	Tester:	Ray Schwager	OIL API:	
Total Depth:	3632	Elevation:	2269 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		2264 ft(CF)		

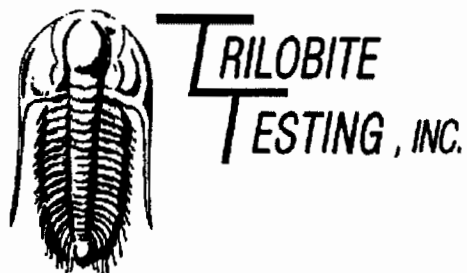
Start Data:	4/12/2003	Tool Weight:	2200	Mud Type:	Chem
Start Time:	23:50:00	Weight Set on Packers:	25000	Mud Weight:	9.3
Time tool opened:	1:50:00	Weight to Pull Loose:	75000	Viscosity:	53
Time Off Btm:	5:05:00	Initial String Weight:	66000	Water Loss:	8
End Date:	4/13/03	Final String Weight:	67000	Resistivity;	-
End Time:	6:05:00	Drill Pipe Length:	3448	Salinity:	
		Drill Collar Length:			
		Wt. Pipe Length:			

Test Comment: IFP: Weak blow throughout 1/2" to 1 1/2" blow
FFP: Weak blow throughout 1"blow

Recovery
Length(ft): 120 Water
65 MW with show of oil 10%M 90%W

Gas Volume Report

Recorder #:	11085	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)	PSIG		size	
Initial Hydro-static:	1820				
Open to Flow (1):	55 45				
Shut-in (1):	99 45				
End Shut-in (1):	897				
Open to Flow (2):	110 45				
Shut-in (2):	121 60				
End Shut-in (2):	876				
Final Hydro-static:	1777				



DRILL STEM TEST REPORT

Prepared For: **Mia Oil Operations Inc**

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

33-9s-20w Rooks Ks

Marcotte 33-1

Start Date: 2003.04.13 @ 23:23:32

End Date: 2003.04.14 @ 03:15:01

Job Ticket #: 16986 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



Mia Oil Operations Inc

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

Marcotte 33-1

33-9s-20w Rooks Ks

Job Ticket: 16986

DST#: 2

Test Start: 2003.04.13 @ 23:23:32

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 03:15:01

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3781.00 ft (KB) To 3849.00 ft (KB) (TVD)

Reference Elevations: 2269.00 ft (KB)

Total Depth: 3849.00 ft (KB) (TVD)

2264.00 ft (CF)

Hole Diameter: 7.85 inches **Hole Condition:** Fair

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: psig @ 3789.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.04.13

End Date:

2003.04.14

Last Calib.: 2003.04.14

Start Time: 23:23:32

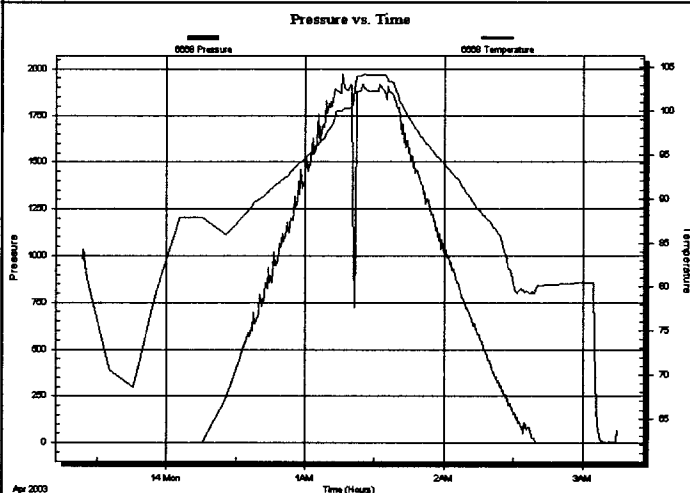
End Time:

03:15:01

Time On Btm:

Time Off Btmg

TEST COMMENT: packer failure set twice



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
360.00	mud	3.96

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mia Oil Operations Inc

Marcotte 33-1

P O Box 33
Russell Ks 67665

33-9s-20w Rooks Ks

Job Ticket: 16986

DST#: 2

ATTN: Allen Bangert

Test Start: 2003.04.13 @ 23:23:32

Tool Information

Drill Pipe:	Length: 3670.00 ft	Diameter: 3.80 inches	Volume: 51.48 bbl	Tool Weight:	2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	lb
		Total Volume:	52.07 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3781.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.02 ft				
Tool Length:	89.02 ft				
Number of Packers:	2	Diameter:	6.85 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3761.00	
Shut In Tool	5.00			3766.00	
Hydraulic tool	5.00			3771.00	
Packer	5.00			3776.00	21.00 Bottom Of Top Packer
Packer	5.00			3781.00	
Stubb	1.00			3782.00	
Perforations	6.00			3788.00	
Change Over Sub	1.00			3789.00	
Recorder	0.01	6668	Inside	3789.01	
Blank Spacing	31.00			3820.01	
Change Over Sub	1.00			3821.01	
Perforations	25.00			3846.01	
Recorder	0.01	11085	Inside	3846.02	
Bullnose	3.00			3849.02	68.02 Bottom Packers & Anchor

Total Tool Length: 89.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mia Oil Operations Inc

Marcotte 33-1

P O Box 33
Russell Ks 67665

33-9s-20w Rooks Ks

Job Ticket: 16986

DST#: 2

ATTN: Allen Bangert

Test Start: 2003.04.13 @ 23:23:32

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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	mud	3.957

Total Length: 360.00 ft

Total Volume: 3.957 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

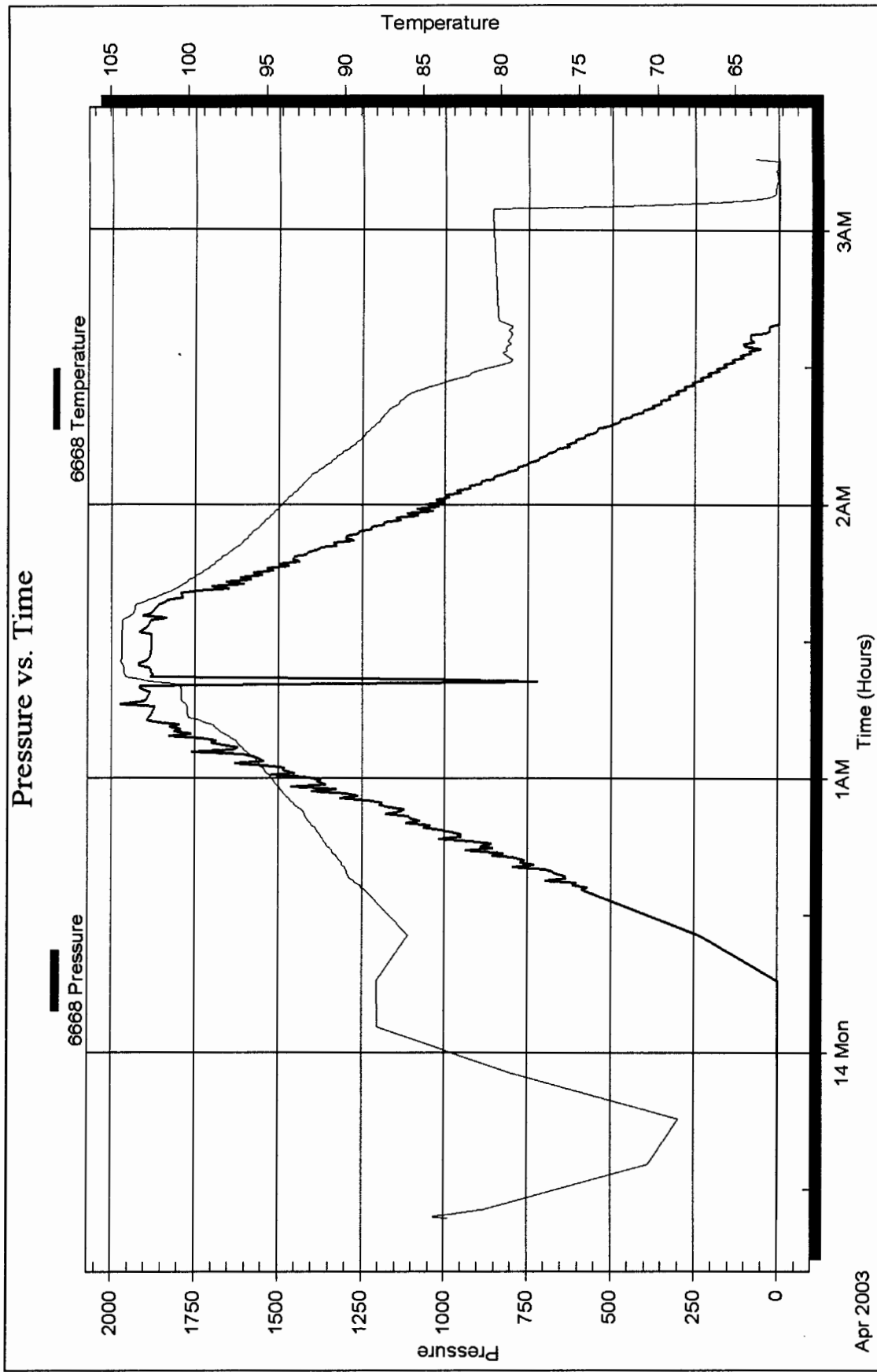
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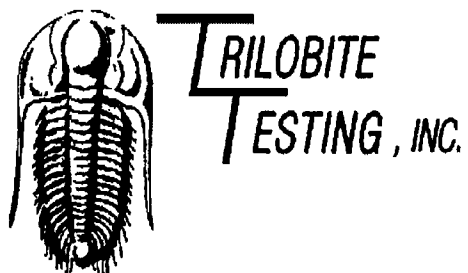
Inside

Ma Oil Operations Inc

33-9s-20w Rocks Ks

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Mia Oil Operations Inc**

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

33-9s-20w Rooks Ks

Marcotte 33-1

Start Date: 2003.04.14 @ 03:20:22

End Date: 2003.04.14 @ 10:35:51

Job Ticket #: 16987 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mia Oil Operations Inc

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

Marcotte 33-1

33-9s-20w Rooks Ks

Job Ticket: 16987

DST#: 3

Test Start: 2003.04.14 @ 03:20:22

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 05:03:21

Time Test Ended: 10:35:51

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3763.00 ft (KB) To 3849.00 ft (KB) (TVD)**

Total Depth: **3849.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2269.00 ft (KB)**

2264.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **320.18 psig @ 3766.01 ft (KB)**

Start Date: **2003.04.14**

End Date:

2003.04.14

Start Time: **03:20:22**

End Time:

10:35:51

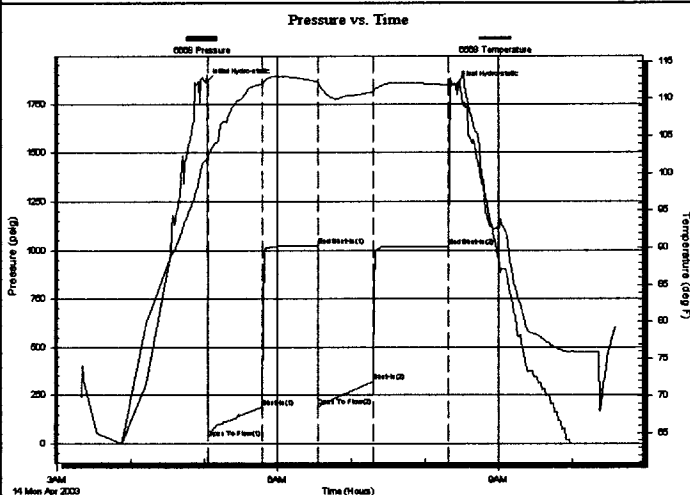
Capacity: **7000.00 psig**

Last Calib.: **2003.04.14**

Time On Btm: **2003.04.14 @ 05:01:21**

Time Off Btm: **2003.04.14 @ 08:24:21**

TEST COMMENT: IFP-w k to strg in 15 min
FFP-w k to strg in 25 min
Times 45-45-45-60
no bl on shut-in



PRESSURE SUMMARY

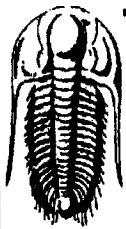
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.56	101.77	Initial Hydro-static
2	31.82	102.31	Open To Flow (1)
47	188.67	112.01	Shut-In (1)
92	1022.73	112.34	End Shut-In (1)
92	192.16	112.09	Open To Flow (2)
137	320.18	110.93	Shut-In (2)
198	1020.37	111.84	End Shut-In (2)
203	1848.80	112.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	HO&GCM 45% mud 25% gas 30% oil	1.71
660.00	Clean Oil	9.26

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mia Oil Operations Inc

Marcotte 33-1

P O Box 33
Russell Ks 67665

33-9s-20w Rooks Ks

Job Ticket: 16987

DST#: 3

ATTN: Allen Bangert

Test Start: 2003.04.14 @ 03:20:22

Tool Information

Drill Pipe:	Length: 3637.00 ft	Diameter: 3.80 inches	Volume: 51.02 bbl	Tool Weight: 2200.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume:	51.61 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3763.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.02 ft			
Tool Length:	107.02 ft			
Number of Packers:	2	Diameter: 6.85 inches		

Tool Comments:

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------	------------	----------	------------	----------------

Change Over Sub	1.00		3743.00	
Shut In Tool	5.00		3748.00	
Hydraulic tool	5.00		3753.00	
Packer	5.00		3758.00	21.00 Bottom Of Top Packer
Packer	5.00		3763.00	
Stubb	1.00		3764.00	
Perforations	1.00		3765.00	
Change Over Sub	1.00		3766.00	
Recorder	0.01	6668 Inside	3766.01	
Blank Spacing	62.00		3828.01	
Change Over Sub	1.00		3829.01	
Perforations	17.00		3846.01	
Recorder	0.01	11085 Inside	3846.02	
Bullnose	3.00		3849.02	86.02 Bottom Packers & Anchor

Total Tool Length: 107.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mia Oil Operations Inc

Marcotte 33-1

P O Box 33
Russell Ks 67665

33-9s-20w Rooks Ks

Job Ticket: 16987

DST#: 3

ATTN: Allen Bangert

Test Start: 2003.04.14 @ 03:20:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	HO&GCM 45% mud 25% gas 30% oil	1.712
660.00	Clean Oil	9.258

Total Length: 860.00 ft

Total Volume: 10.970 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

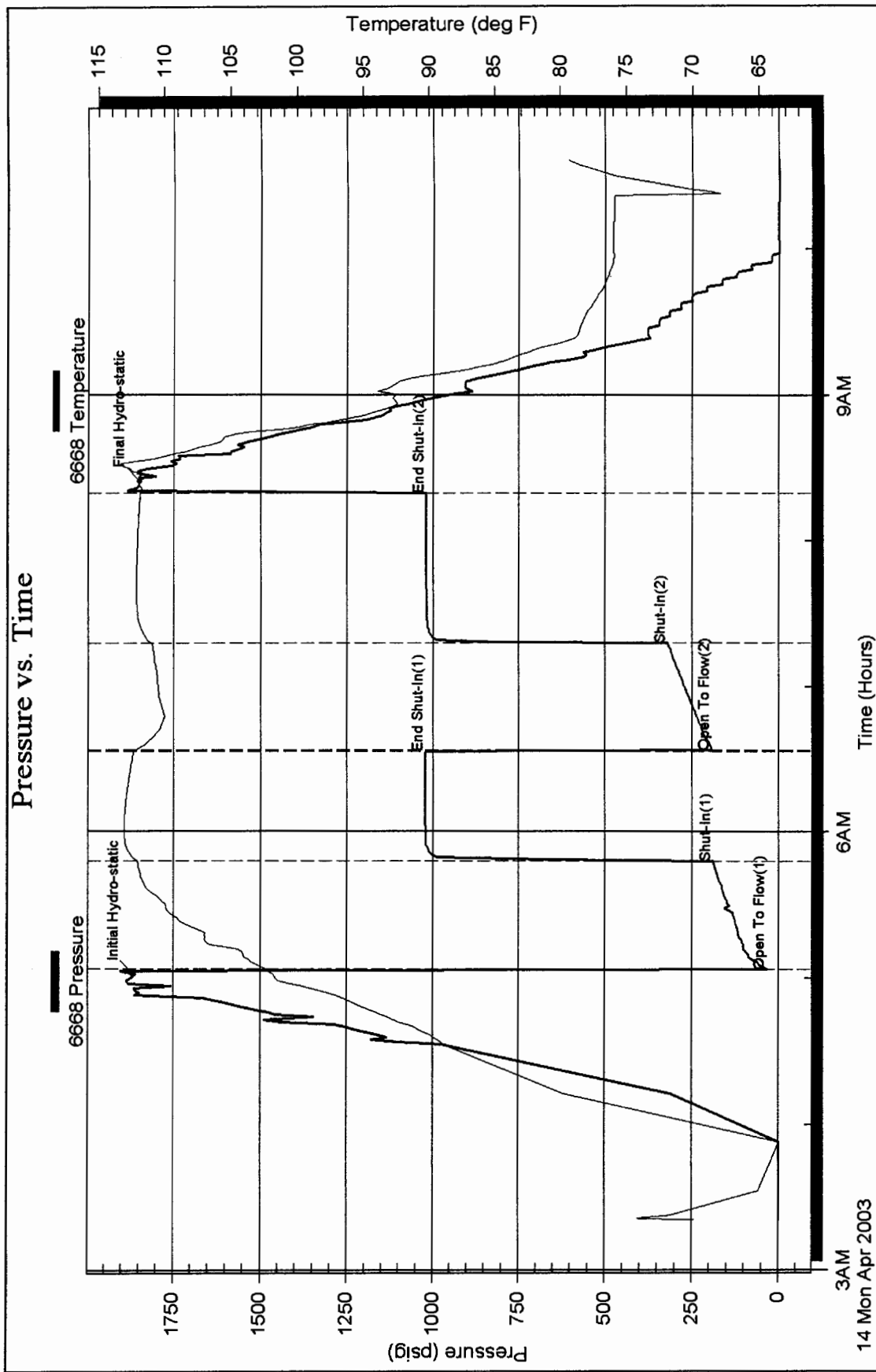
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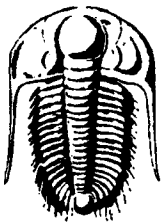
Inside

Mia Oil Operations Inc

33-9s-20w Rocks Ks

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16985

12/02

Test Ticket

Well Name & No. MARLOTTE 33-1 Test No. 1 Date 4-12-03
 Company MAI OIL OPERATIONS, Inc Zone Tested LKC
 Address P.O. Box 33 Russell, Ks 67665 Elevation 2269 KB 2264 GL
 Co. Rep / Geo. Todd Maergerstein Cont. Murfin rig 16 Est. Ft. of Pay - Por. - %
 Location: Sec. 33 Twp. 9^s Rge. 20^w Co. ROOKS State Ks
 No. of Copies Req Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3572-3632 Initial Str Wt./Lbs. 66000 Unseated Str Wt./Lbs. 67000
 Anchor Length 60 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 75000
 Top Packer Depth 3567 Tool Weight 2200
 Bottom Packer Depth 3572 Hole Size 7 7/8" yes Rubber Size 6 3/4" yes
 Total Depth 3632 Wt. Pipe Run - Drill Collar Run 120
 Mud Wt. 9.3 LCM - Vis. 53 WL 8 Drill Pipe Size 4 1/2 XH Ft. Run 3448
 Blow Description IFP - WEAK Blow thru-out 1/2" to 1 1/2" Blow
FFP - WEAK Blow thru-out 1" Blow

Recovery - Total Feet 185 GIP - Ft. in DC 120 Ft. in DP 65
 Rec. 65 Feet of MW w/show foam 10% mud 90% WATER
 Rec. 120 Feet of WATER
 Rec. - Feet of -
 Rec. - Feet of -
 Rec. - Feet of -
 BHT 109 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW .13 @ 58 °F Chlorides 72000 ppm Recovery - Chlorides 2000 ppm System

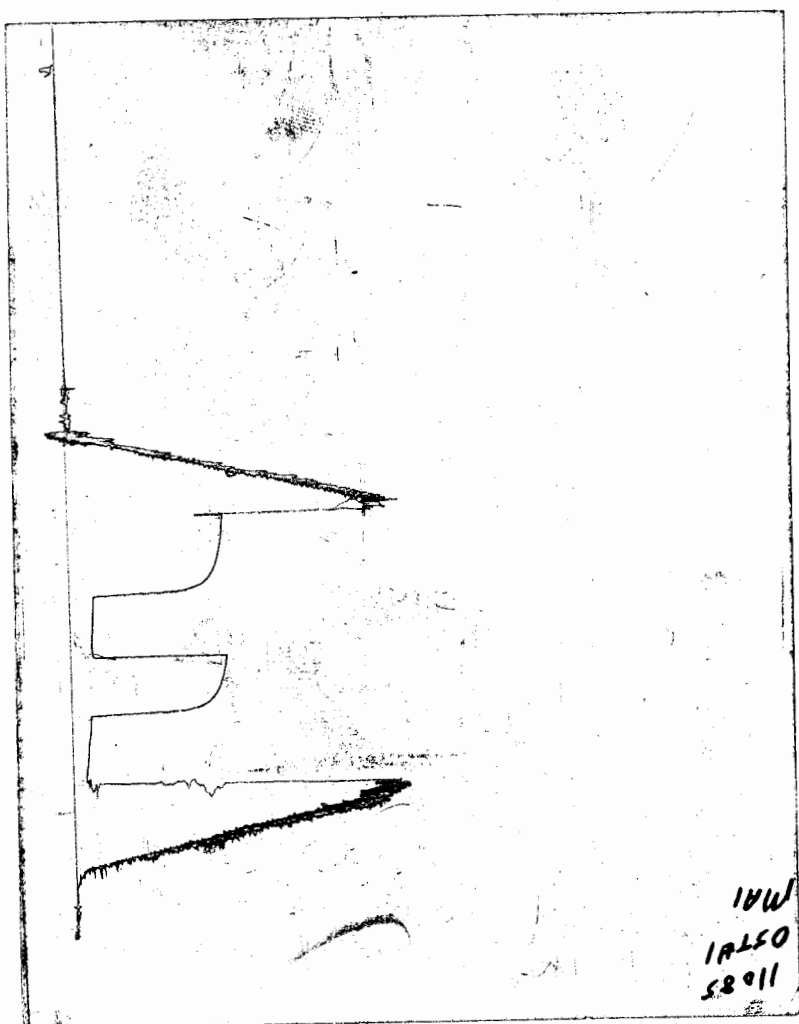
	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1820</u>	PSI	Recorder No.	<u>6668</u>	Test ☒ <u>700</u>
(B) First Initial Flow Pressure	<u>55</u>	PSI	(depth)	<u>3575</u>	Elec. Rec. ☒ <u>N/C</u>
(C) First Final Flow Pressure	<u>99</u>	PSI	Recorder No.	<u>11085</u>	Jars <u>-</u>
(D) Initial Shut-In Pressure	<u>897</u>	PSI	(depth)	<u>3629</u>	Safety Jt. <u>-</u>
(E) Second Initial Flow Pressure	<u>110</u>	PSI	Recorder No.	<u>-</u>	Circ Sub <u>-</u>
(F) Second Final Flow Pressure	<u>121</u>	PSI	(depth)	<u>-</u>	Sampler <u>-</u>
(G) Final Shut-In Pressure	<u>876</u>	PSI	Initial Opening	<u>45</u>	Straddle <u>-</u>
(Q) Final Hydrostatic Mud	<u>1777</u>	PSI	Initial Shut-In	<u>45</u>	Ext. Packer <u>-</u>
			Final Flow	<u>45</u>	Shale Packer <u>-</u>
			Final Shut-In	<u>60</u>	Mileage ☒ <u>40</u> <u>40</u>
			T-On Location	<u>2230</u>	Sub Total: <u>740</u>
			T-Started	<u>2350</u>	Std. By <u>-</u>
			T-Open	<u>0150</u>	Other <u>-</u>
			T-Pulled	<u>0505</u>	Total: ☒ <u>\$740</u>
			T-Out	<u>-</u>	

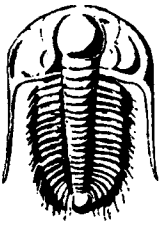
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Approved By Ray Schwager Thank you

Our Representative Ray Schwager

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16986

12/02

Test Ticket

Well Name & No.	MARCOtte #33-1	Test No.	2	Date	4-13-03
Company	MAI OIL OPERATIONS INC	Zone Tested	ARB		
Address	P.O. Box 33 Russell, Ko 67665	Elevation	2269	KB	2264 GL
Co. Rep / Geo.	Todd Morgenstern	Cont.	Murfin 16	Est. Ft. of Pay	- Por. - %
Location: Sec.	33	Twp.	9 ^s	Rge.	20 ^w Co. Rooks State 16
No. of Copies	Reg	Disbtribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	3781-3849	Initial Str Wt./Lbs.		Unseated Str Wt./Lbs.	
Anchor Length	68	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	
Top Packer Depth	3776	Tool Weight	2200		
Bottom Packer Depth	3781	Hole Size 7 7/8"	yes	Rubber Size 6 3/4"	yes
Total Depth	3849	Wt. Pipe Run	-	Drill Collar Run	120
Mud Wt.	9.4	Drill Pipe Size	4 1/2 XH	Ft. Run	3670
LCM	-				
Vis.	55				
WL	8				
Blow Description	IEP- FFP-				

Recovery - Total Feet	360	GIP	-	Ft. in DC	120	Ft. in DP	240
Rec.	360	Feet of	Mud				
Rec.		Feet of	Packer failure				
Rec.		Feet of					
Rec.		Feet of					
Rec.		Feet of					
BHT		*F Gravity		*API D @		*F Corrected Gravity	
RW		@		*F		Chlorides 6000	ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		PSI	Recorder No.	6668	Test	✓	500
(B) First Initial Flow Pressure		PSI	(depth)	3789	Elec. Rec.	✓	150
(C) First Final Flow Pressure		PSI	Recorder No.	11085	Jars		
(D) Initial Shut-In Pressure		PSI	(depth)	3846	Safety Jt.		
(E) Second Initial Flow Pressure		PSI	Recorder No.	-	Circ Sub		
(F) Second Final Flow Pressure		PSI	(depth)	-	Sampler		
(G) Final Shut-In Pressure		PSI	Initial Opening		Straddle		
(Q) Final Hydrostatic Mud		PSI	Initial Shut-In		Ext. Packer		

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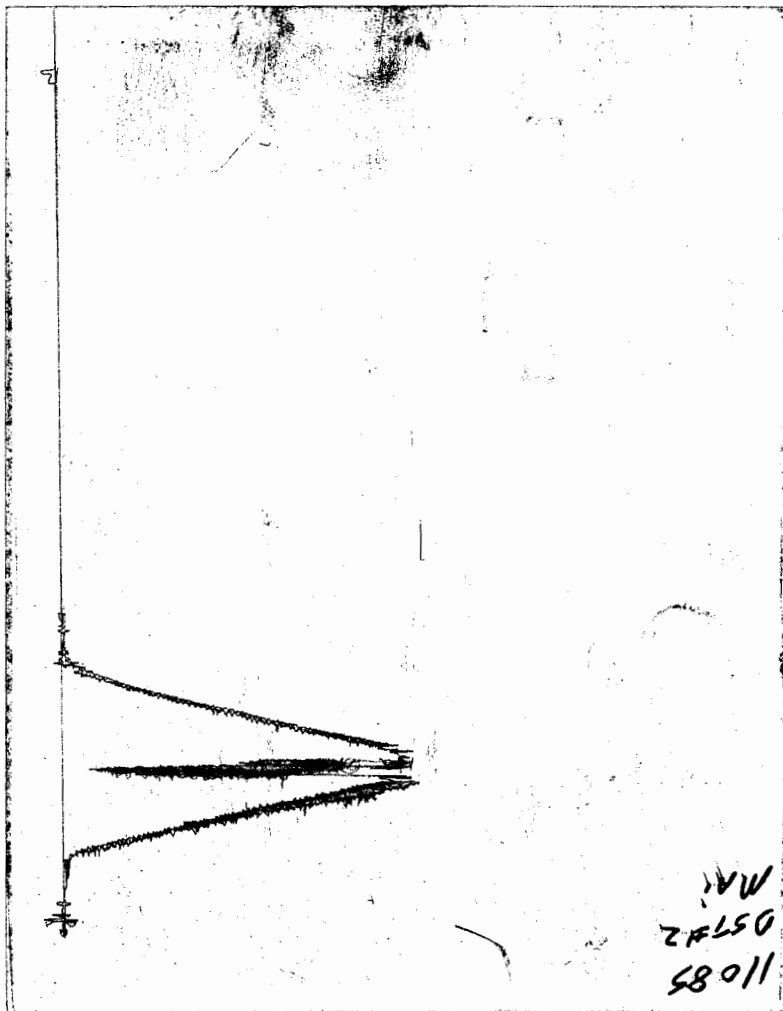
Approved By _____

Our Representative RAY SCHWAGER Harkgox

Final Flow		Shale Packer	
Final Shut-In		Mileage	✓40 40
T-On Location	2300	Sub Total:	690
T-Started	2323	Std. By	
T-Open		Other	
T-Pulled		Total:	✓
T-Out			

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





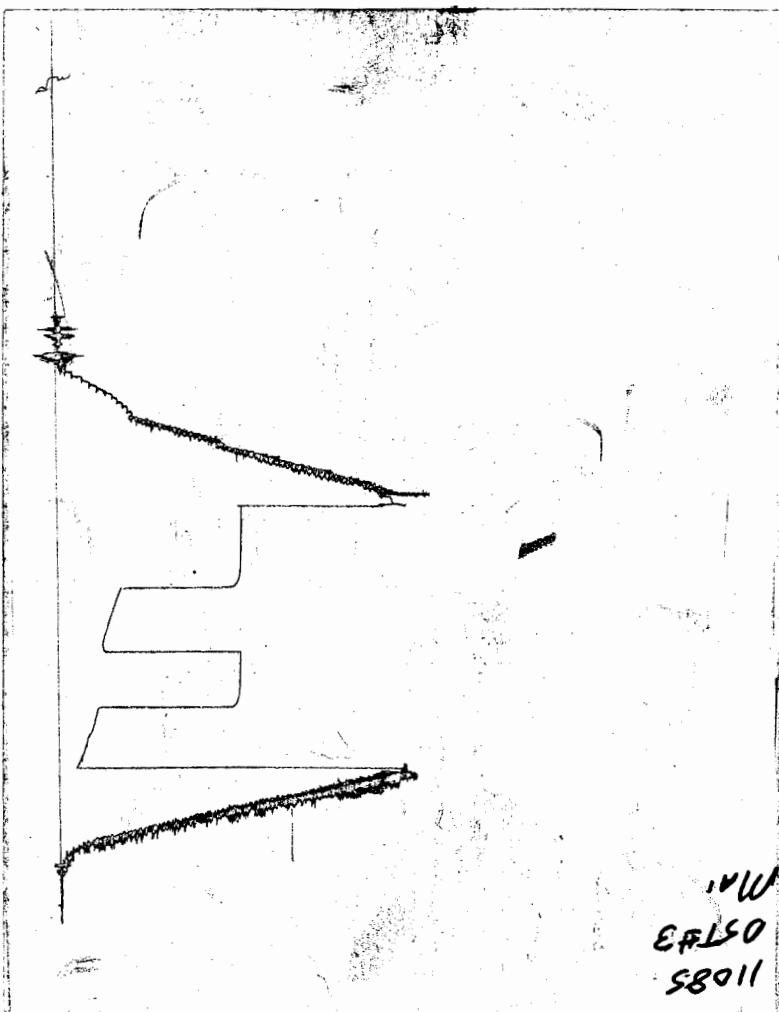
P.O. Box 362 • Hays, Kansas 67601

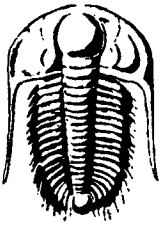
Test Ticket

Recorder No.	<u>6668</u>	Test	<u>700</u>
(depth)	<u>3766</u>	Elec. Rec.	<u>150</u>
Recorder No.	<u>11085</u>	Jars	<u> </u>
(depth)	<u>3846</u>	Safety Jt.	<u> </u>
Recorder No.	<u> </u>	Circ Sub	<u> </u>
(depth)	<u> </u>	Sampler	<u> </u>
Initial Opening	<u>45</u>	Straddle	<u> </u>
Initial Shut-In	<u>45</u>	Ext. Packer	<u> </u>
Final Flow	<u>45</u>	Shale Packer	<u> </u>
Final Shut-In	<u>60</u>	Mileage	<u>VNC</u>
T-On Location	<u> </u>	Sub Total:	<u>850</u>
T-Started	<u>0320</u>	Std. By	<u>4 hr</u>
T-Open	<u>0500</u>	Other	<u> </u>
T-Pulled	<u>0815</u>	Total:	<u>✓ 857.50</u>
T-Out	<u>1040</u>		

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16988

12/02

Test Ticket

Well Name & No.	<u>MARCOTTE 33-1</u>		Test No.	<u>4</u>	Date	<u>4-14-03</u>
Company	<u>MAI OIL OPERATIONS INC</u>		Zone Tested	<u>Arbuckle</u>		
Address	<u>P.O. Box 33 Russell, Ko 67665</u>		Elevation	<u>2269</u>	KB	<u>2264</u> GL
Co. Rep / Geo.	<u>Todd Morgenstern</u>	Cont.	<u>MURFIN rig 16</u>	Est. Ft. of Pay	<u>-</u>	Por. <u>-</u> %
Location: Sec.	<u>33</u>	Twp.	<u>9^s</u>	Rge.	<u>20^w</u>	Co. <u>Rocko</u> State <u>Ko</u>
No. of Copies	<u>Reg</u>	Disbtribution Sheet (Y, N)	<u>-</u>	Turnkey (Y, N)	<u>-</u>	Evaluation (Y, N) <u>-</u>

Interval Tested	<u>3852-3857</u>	Initial Str Wt./Lbs.	<u>66000</u>	Unseated Str Wt/Lbs.	<u>66000</u>
Anchor Length	<u>5</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>75000</u>
Top Packer Depth	<u>3847</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3852</u>	Hole Size 7 7/8"	<u>401</u>	Rubber Size 6 3/4"	<u>405</u>
Total Depth	<u>3857</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>120</u>
Mud Wt.	<u>9.4</u> LCM <u>3#</u> Vis. <u>51</u> WL <u>8</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3733</u>
Blow Description	<u>IFP - WEAK Blow thru-out 1/4" To 3" Blow</u> <u>FFP - WEAK Blow thru-out 1/4" To 1" Blow</u> <u>NO BLOW ON SHUT-IN</u>				

Recovery - Total Feet	<u>360</u>	GIP	<u>-</u>	Ft. in DC	<u>120</u>	Ft. in DP	<u>240</u>
Rec.	<u>120</u>	Feet of	<u>OCMW 10% oil 20% mud 70% WATER</u>				
Rec.	<u>240</u>	Feet of	<u>CLEAN OIL</u>				
Rec.		Feet of					
Rec.		Feet of					
Rec.		Feet of					
BHT	<u>115</u>	*F Gravity	<u>25</u>	*API D @	<u>60</u>	*F Corrected Gravity	<u>25</u> *API
RW	<u>.17</u> @ <u>72</u> *F	Chlorides	<u>42000</u> ppm	Recovery		Chlorides	<u>4000</u> ppm System

	AK-1	Alpine	PSI	Recorder No.	Test	
(A) Initial Hydrostatic Mud		<u>1908</u>		<u>6668</u>	☒	<u>700</u>
(B) First Initial Flow Pressure		<u>22</u>		<u>3854</u>	☒	<u>150</u>
(C) First Final Flow Pressure		<u>84</u>		<u>-</u>		
(D) Initial Shut-In Pressure		<u>1057</u>		<u>-</u>		
(E) Second Initial Flow Pressure		<u>85</u>		<u>-</u>		
(F) Second Final Flow Pressure		<u>129</u>		<u>-</u>		
(G) Final Shut-In Pressure		<u>1057</u>		<u>45</u>		
(Q) Final Hydrostatic Mud		<u>1891</u>		<u>45</u>		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By Todd E. Morgenstern

Our Representative Rag Schwager Han Kyou

Final Flow	<u>45</u>	Shale Packer	
Final Shut-In	<u>60</u>	Mileage	<u>40</u> <u>40</u>
T-On Location	<u>1630</u>	Sub Total:	<u>890</u>
T-Started	<u>1654</u>	Std. By	<u>1/2 hr</u> <u>15</u>
T-Open	<u>1845</u>	Other	
T-Pulled	<u>2200</u>	Total:	<u>905</u>
T-Out	<u>0005</u>		