

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500 Oklahoma OK
73112

ATTN: Dale Passig

1 3138 Stevens KS

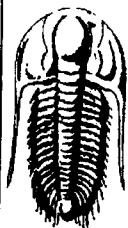
Nettie May 1-1

Start Date: 2006.07.21 @ 18:15:30

End Date: 2006.07.22 @ 05:48:19

Job Ticket #: 22992 DST #: 2

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

EOG Resources Inc

3817 NW Expressway Ste 500 Oklahoma OK
73112

ATTN: Dale Passig

Nettie May 1-1

1 3138 Stevens KS

Job Ticket: 22992

DST#: 2

Test Start: 2006.07.21 @ 18:15:30

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 20:58:20

Time Test Ended: 05:48:19

Test Type: **Conventional Bottom Hole**

Tester: **Chris Hagman**

Unit No: **34**

Interval: **5210.00 ft (KB) To 5350.00 ft (KB) (TVD)**

Total Depth: **5350.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **3123.00 ft (KB)**

3113.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6755 **Inside**

Press@RunDepth: **881.89 psig @ 5212.00 ft (KB)**

Start Date: **2006.07.21**

End Date: **2006.07.22**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **18:15:30**

End Time: **05:48:19**

Time On Btm: **2006.07.21 @ 20:58:00**

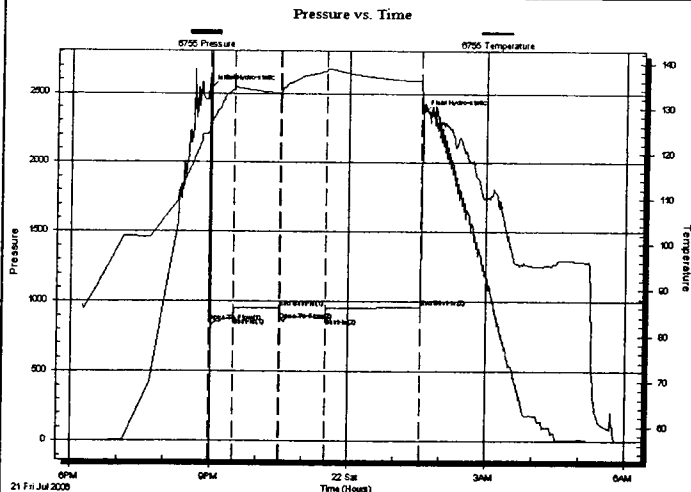
Time Off Btm: **2006.07.22 @ 01:36:09**

TEST COMMENT: IF BOB 30 sec GTS 3 min strong steady blow (Flamable)

ISI Blow did not die

FF BOB GTS ASAO strong gas w/w atery muddy blow (40%W, 60%M @ 78000ppm)

FSI Blow back 1 min 3 inches in 120 min



PRESSURE SUMMARY

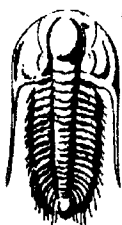
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2533.64	124.58	Initial Hydro-static
1	852.57	124.97	Open To Flow (1)
32	883.92	134.19	Shut-In(1)
92	953.25	133.31	End Shut-In(1)
93	864.97	130.14	Open To Flow(2)
153	881.89	138.14	Shut-In(2)
277	958.79	136.02	End Shut-In(2)
279	2360.11	130.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
465.00	80%W 20%M	3.20

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	70.00	2426.40
Last Gas Rate	1.00	120.00	3863.84
Max. Gas Rate	1.00	130.00	4151.33



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

EOG Resources Inc

3817 NW Expressway Ste 500 Oklahoma OK
73112

ATTN: Dale Passig

Nettie May 1-1

1 3138 Stevens KS

Job Ticket: 22992

DST#: 2

Test Start: 2006.07.21 @ 18:15:30

Tool Information

Drill Pipe:	Length: 4829.00 ft	Diameter: 3.80 inches	Volume: 67.74 bbl	Tool Weight:	2000.00 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: 365.00 ft	Diameter: 2.25 inches	Volume: 1.80 bbl	Weight to Pull Loose:	125000.0 lb
		Total Volume:	69.54 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	90000.00 lb
Depth to Top Packer:	5210.00 ft			Final	96000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	140.00 ft				
Tool Length:	171.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

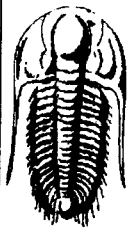
Tool Comments:

Tool Description

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

Change Over Sub	1.00			5180.00	
Shut In Tool	5.00			5185.00	
Sampler	3.00			5188.00	
Hydraulic tool	5.00			5193.00	
Jars	5.00			5198.00	
Safety Joint	3.00			5201.00	
Packer	5.00			5206.00	31.00 Bottom Of Top Packer
Packer	4.00			5210.00	
Stubb	1.00			5211.00	
Perforations	1.00			5212.00	
Recorder	0.00	6755	Inside	5212.00	
Perforations	5.00			5217.00	
Change Over Sub	1.00			5218.00	
Drill Pipe	124.00			5342.00	
Change Over Sub	1.00			5343.00	
Perforations	4.00			5347.00	
Recorder	0.00	13630	Inside	5347.00	
Bullnose	3.00			5350.00	140.00 Bottom Packers & Anchor

Total Tool Length: 171.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

EOG Resources Inc

Nettie May 1-1

3817 NW Expressway Ste 500 Oklahoma OK
73112

1 3138 Stevens KS

Job Ticket: 22992

DST#: 2

ATTN: Dale Passig

Test Start: 2006.07.21 @ 18:15:30

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: 100000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
465.00	80%W 20%M	3.198

Total Length: 465.00 ft Total Volume: 3.198 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

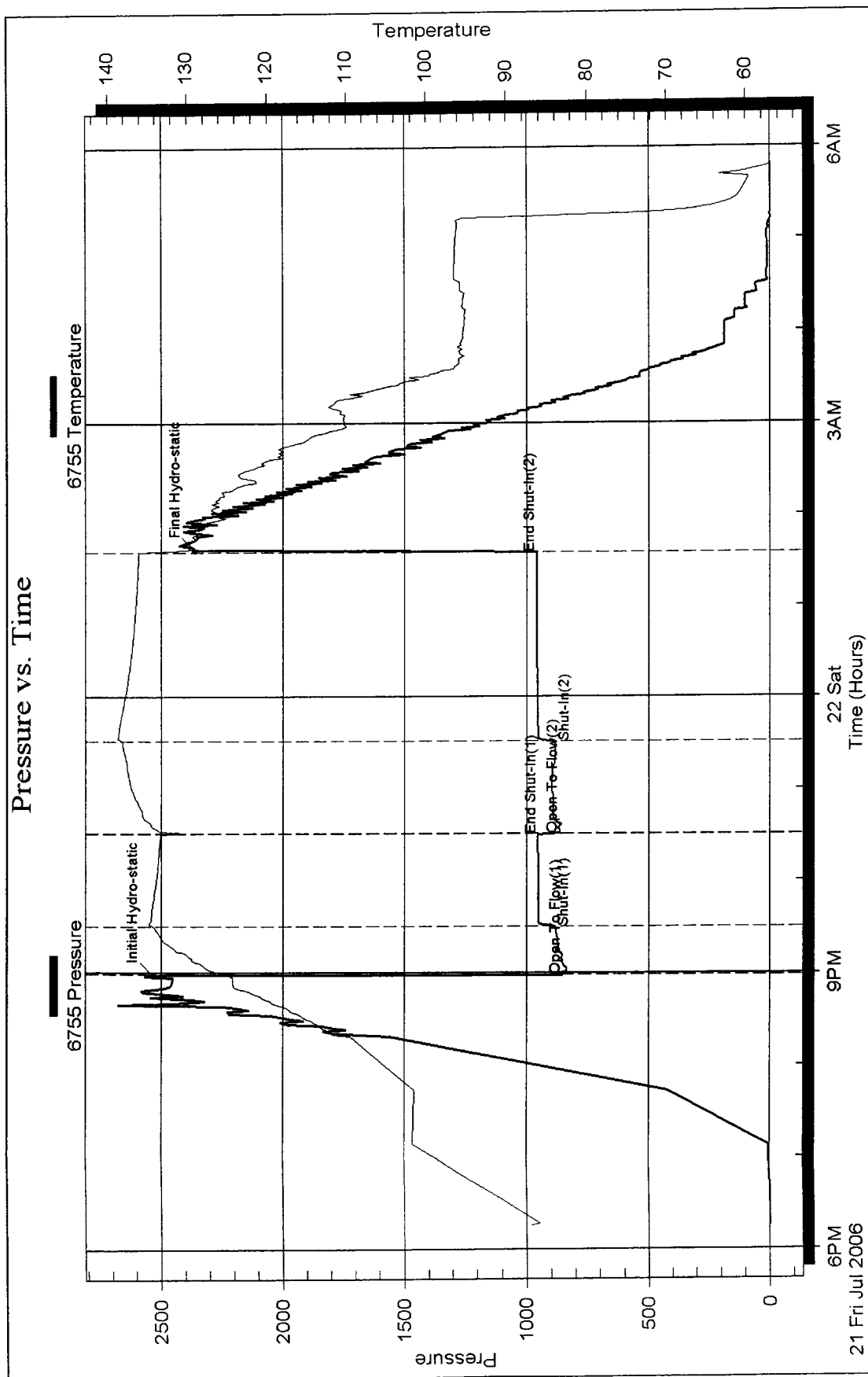
Laboratory Name:

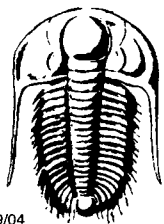
Laboratory Location:

Recovery Comments: RW=.070@77F=100000ppm

Sampler=10.3cf gas @ 900 psi

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

☒ BCP ☐ ACP ☐ FAC ☐ LOE ☐ Oth AFE

Well Name: Nettie May / #1

50-314

Date Passig

Cell # 806-773-2865

DP

Approval:

No. 22991

9034 ✓

Test Ticket

Well Name & No. ~~Nettie May / #1~~ Nettie May / #1 Test No. 1 Date 7-19-06
 Company EOG Resources Inc. Zone Tested 18MN
 Address 3817 NW Expressway, Suite 250 OKC OK Elevation 3123 KB 3113 GL
 Co. Rep / Geo. Dale Passig Cont. Abernethy Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 31 Rge. 38 Co. Stevens State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4566-4640 Initial Str Wt./Lbs. 84K Unseated Str Wt./Lbs. 84K
 Anchor Length 74' Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs. 95K
 Top Packer Depth 4561 Tool Weight 21K
 Bottom Packer Depth 4566 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4640 Wt. Pipe Run N.A. Drill Collar Run 365
 Mud Wt. 9.0 LCM 10" Vis. 48 WL 8.4 Drill Pipe Size 4.5xH Ft. Run 4186

Blow Description IF: BOB 10 min., strong steady blow
250: Blow back 5 min., .25 inches in 60 min.
FF: BOB 30 min., strong steady blow
FST: No blow back

Recovery - Total Feet 93 GIP 0 Ft. in DC 93 Ft. in DP 0
 Rec. 93 Feet of mud %gas _____ %oil _____ %water 100 %mud _____
 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 _____
 BHT 121 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 1.463 @ 78 °F Chlorides 3800 ppm Recovery _____ Chlorides 1200 ppm System

AK-1

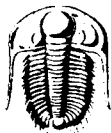
Alpine

(A) Initial Hydrostatic Mud	<u>2255</u> PSI	Recorder No.	<u>6755(4:40)</u>	Test	✓ <u>conn. / 100</u>
(B) First Initial Flow Pressure	<u>115</u> PSI	(depth)	<u>4568</u>	Jars	✓ <u>250</u>
(C) First Final Flow Pressure	<u>29</u> PSI	Recorder No.	<u>13630</u>	Safety Jt.	✓ <u>75</u>
(D) Initial Shut-In Pressure	<u>658</u> PSI	(depth)	<u>4637</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>31</u> PSI	Recorder No.	_____	Sampler	✓ <u>250</u>
(F) Second Final Flow Pressure	<u>48</u> PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>851</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>2214</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer	✓ <u>x1.020</u>
		Final Flow	<u>60</u>	Ruined Packer	_____
		Final Shut-In	<u>120</u>	Mileage	✓ <u>x40 50</u>
		T-On Location	<u>1600</u>	Sub Total:	<u>1925</u>
		T-Started	<u>1830</u>	Std. By	✓ <u>14.5 200</u>
		T-Open	<u>2140</u>	Other	✓ <u>Rec change 37.50</u>
		T-Pulled	<u>0210</u>	Total:	<u>2312.50</u>
		T-Out	<u>0530</u>		

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Approved By Dale Passig

Our Representative [Signature]



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 22991 Date 7-19-06
Company Name EOG
Lease Nettle Mary 1-1 Test No. 1
County Stevens, KS Sec. 1 Twp. 31 Rng. 38

SAMPLER RECOVERY

Gas 0 ML Chlorides 1200 ppm.
Oil 0 ML Resistivity _____ ohms @ _____ F
Mud 4000 ML Viscosity 48
Water 0 ML Mud Weight 9.0
Other 0 ML Filtrate 8.4
Pressure 700 psi ML Other 10" LCM
Total 4000 ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity 1.463 ohms @ 78 F
Chlorides 3800 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity 1.463 ohms @ 78 F
Chlorides 3800 ppm.

MIDDLE

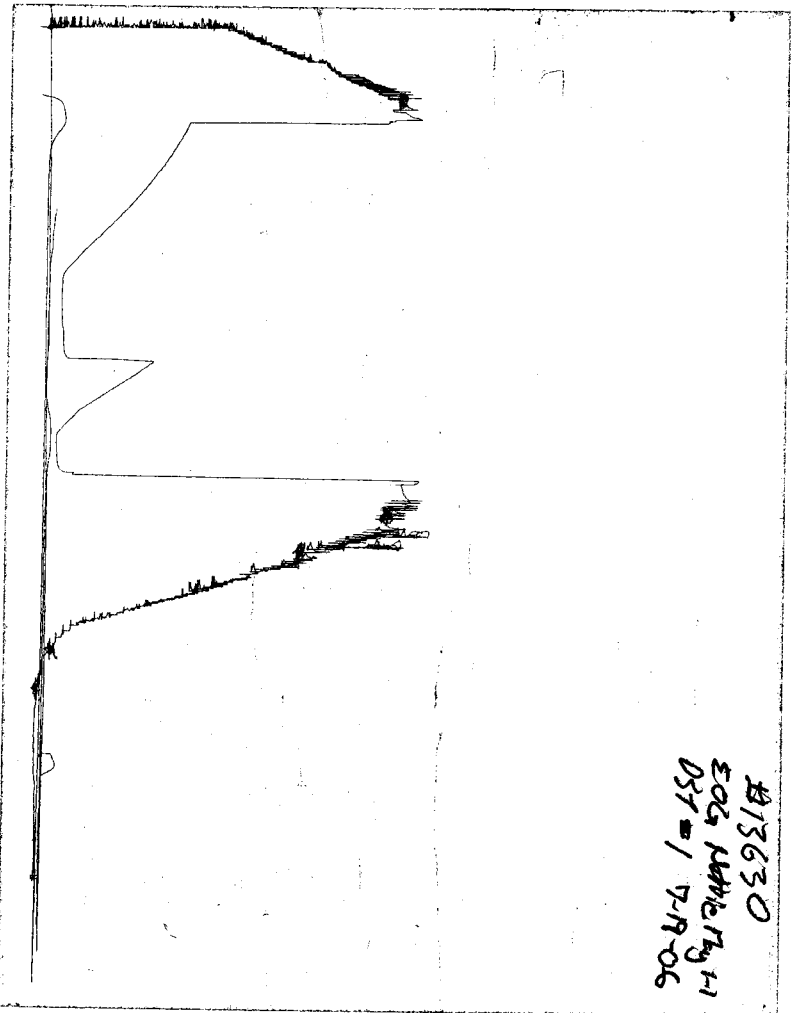
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

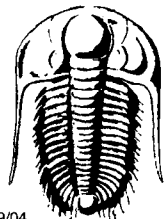
BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

CHART PAGE

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





9/04

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

☒ BCP	☐ ACP	☐ FAC	☐ LOE	☐ Oth AFE
Well Name: <u>Nettie May 1 #1</u>				
50 - 314				
Dale Passig				
Cell # 806-773-2865				
Approval: <u>DP</u>				

No 22992

Test Ticket

Well Name & No. <u>Nettie May 1-1</u>	Test No. <u>2</u>	Date <u>7-21-06</u>
Company <u>EOG Resources Inc.</u>	Zone Tested <u>Morrow</u>	
Address <u>3817 NW Expressway, Suite 500 OKC, OK 73112</u>	Elevation <u>3123</u>	KB <u>3113</u> GL
Co. Rep / Geo. <u>Dale Passig</u>	Cont. <u>Abe #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>1</u> Twp. <u>31</u> Rge. <u>38</u>	Co. <u>STEWARTS</u>	State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>5210-5350</u>	Initial Str Wt./Lbs. <u>90000</u>	Unseated Str Wt./Lbs. <u>96000</u>
Anchor Length <u>140'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>125000</u>
Top Packer Depth <u>5205</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>5210</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>5350</u>	Wt. Pipe Run <u>N.A.</u>	Drill Collar Run <u>365</u>
Mud Wt. <u>9.0</u> LCM <u>10²</u> Vis. <u>53</u> WL <u>8.2</u>	Drill Pipe Size <u>4.5 x H</u>	Ft. Run <u>4829</u>
Blow Description <u>IF BOB 30 sec. GTS 3 min., strong steady blow</u>		
<u>BT. ~~AT~~ Blow never died</u>		
<u>FFI BOB GTS ASD, strong gas w/ watery mud blow (40% w/ 60% ASD, 100% w/ 100% ASD)</u>		
<u>FSR: Blow back 1 min., 3 inches in 120 min.</u>		

Recovery - Total Feet <u>465</u>	GIP <u>4729</u>	Ft. in DC <u>365</u>	Ft. in DP <u>100</u>
Rec. <u>465</u>	Feet of <u>Muddy water</u>	%gas _____ %oil _____	%water <u>80</u> %mud <u>20</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 _____
BHT <u>13.6</u> °F Gravity _____	*API D @ _____	*F Corrected Gravity _____	*API _____
RW <u>.070</u> @ <u>77</u> °F	Chlorides <u>100,000</u> ppm Recovery _____	Chlorides <u>1200</u> ppm System	

AK-1

Alpine

(A) Initial Hydrostatic Mud	<u>2586</u> PSI	Recorder No. <u>6755 (6:15)</u>	Test <u>✓ con. 1200-</u>
(B) First Initial Flow Pressure	<u>853</u> PSI	(depth) <u>5212</u>	Jars <u>✓ 250 -</u>
(C) First Final Flow Pressure	<u>884</u> PSI	Recorder No. <u>13630</u>	Safety Jt. <u>✓ 15 -</u>
(D) Initial Shut-In Pressure	<u>953</u> PSI	(depth) <u>5347</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>865</u> PSI	Recorder No. _____	Sampler <u>✓ 250 -</u>
(F) Second Final Flow Pressure	<u>882</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>959</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2375</u> PSI	Initial Shut-In <u>60</u>	Shale Packer <u>✓ x1.0 -</u>
		Final Flow <u>60</u>	Ruined Packer _____
		Final Shut-In <u>120</u>	Mileage <u>✓ x40 50 -</u>
		T-On Location <u>~~1730~~ 1730</u>	Sub Total: <u>2025</u>
		T-Started <u>1830</u>	Std. By <u>12.5 12.5 -</u>
		T-Open <u>2100</u>	Other <u>✓ Acc change</u>
		T-Pulled <u>0130</u>	Total: <u>2300</u>
		T-Out <u>0600</u>	

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Approved By Dale PassigOur Representative CE 7/10



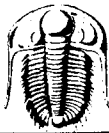
GAS VOLUME REPORT

OPERATOR

WELL NAME AND NO.

DST NO.

Remarks: *Flammable*



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 22992 Date 7-21-06
Company Name EOG
Lease Nettie May 1-1 Test No. 2
County Stevens, KS Sec. 1 Twp. 31 Rng. 38

SAMPLER RECOVERY

Gas 10.3 CF ~~ML~~
Oil Ø ML
Mud Ø ML
Water Ø ML
Other Ø ML
Pressure 900 psi ~~ML~~
Total 10.3 CF ML

PIT MUD ANALYSIS

Chlorides 1200 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 53
Mud Weight 2.0
Filtrate 8.2
Other 10th LCM

SAMPLER ANALYSIS

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

PIPE RECOVERY

TOP
Resistivity .070 ohms @ 77 F
Chlorides 100000 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

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

#13630
ECS, Monterey 4-1
087 002 70106