

FORM MUST BE TYPED

ORIGINAL

SIDE ONE

CONFIDENTIAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NONE

Operator Contact Person: DAVID W. KAPPLF

Phone (316) 624-6253

Contractor Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl. Cathodic, etc)

If Workover:

Operator: _____ MAY 06 2000

Well Name: _____ FROM CONFIDENTIAL

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-13-97 10-28-97 P&A 10-30-97
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21672-00-00

County SEWARD plugged 10/28/97

SW - SE - NE - NW Sec. 34 Twp. 34 Rge. 34 E W

1250 Feet from X (circle one) Line of Section

2300 Feet from X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name MATKIN "A" Well # 2

Field Name WIDEAWAKE

Producing Formation NONE

Elevation: Ground 2904.5 KB 11-21-97

Total Depth 8100 PBTD 0

Amount of Surface Pipe Set and Cemented at 1620 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan P&A, 10-1-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____ KCC

Lease Name _____ NOV 18 License No. _____

_____ Quarter Sec. _____ Rng. _____ E/W

County _____ CONFIDENTIAL Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of ALL wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 11-18-97

Subscribed and sworn to before me this 18th day of November
19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appt. Expires 5-15-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

CONFIDENTIAL SIDE TWO ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MATKIN "A" Well # 2

Sec. 34 Twp. 34 Rge. 34 East County SEWARD
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: DIL, CNL-LDT, ML, SONIC. <p style="text-align: center;">1 DST REPORT ATTACHED.</p>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>CHASE</td> <td>2618</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2950</td> <td></td> </tr> <tr> <td>HEEBNER</td> <td>4274</td> <td></td> </tr> <tr> <td>LANSING</td> <td>4429</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>5130</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5826</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>6121</td> <td></td> </tr> <tr> <td>STE.GENEVIEVE</td> <td>6392</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>6516</td> <td></td> </tr> <tr> <td>SPERGEN</td> <td>6742</td> <td></td> </tr> <tr> <td>WARSAW</td> <td>7163</td> <td></td> </tr> <tr> <td>OSAGE</td> <td>7184</td> <td></td> </tr> <tr> <td>VIOLA</td> <td>7677</td> <td></td> </tr> <tr> <td>ARBUCKLE</td> <td>7842</td> <td></td> </tr> </table>	Name	Top	Datum	CHASE	2618		COUNCIL GROVE	2950		HEEBNER	4274		LANSING	4429		MARMATON	5130		MORROW	5826		CHESTER	6121		STE.GENEVIEVE	6392		ST. LOUIS	6516		SPERGEN	6742		WARSAW	7163		OSAGE	7184		VIOLA	7677		ARBUCKLE	7842	
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CONFIDENTIAL
 UNTIL 11-18-99
 (2925)

CASING RECORD							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	23.0	1620	P+ MIDCON 2/ P+	345/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil <i>N/A</i> Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval NONE-D&A



JOB SUMMARY 4239-1

TICKET #	231786	TICKET DATE	10-14-97
REGION	North America	BDA / STATE	Ks
MBU ID / EMP #	L10102	PSL DEPARTMENT	5601
LOCATION	Lyncol, Ks	CUSTOMER REP / PHONE	CONFIDENTIAL
TICKET AMOUNT		API / UWI #	
WELL LOCATION	Woe Special	JOB PURPOSE CODE	010 8 1/2 SURE
LEASE / WELL #	A 2 Matkin		

NWA/COUNTRY		EMPLOYEE NAME	59179 Dennis Coma
COMPANY	Asacando P&T Co	DEPARTMENT	5001 Cement
WELL TYPE	01	SEC / TWP / RNG	314 / 314 S / 314 W

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
D. Coma	S. Coma		
S. Raines	D. Coma		

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
4200341	12	4115-75817	32				
53552-78202	12	50502-73506	32				

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	10-14	10-14	10-14	10-14
TIME	0620	0830	1240	1400

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 8 5/8	1	Houzer
Float Shoe	1	
Guide Shoe	1	
Centralizers	4	
Bottom Plug		
Top Plug	1	
Head	1	
Packer Basket	1	
Other	1	

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	12	23	8 5/8	KR	1635
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole		12 1/4	6h	1635	SHOTS/FT.
Perforations					
Perforations					
Perforations					

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				8 1/2 SURE
				KCC
				NOV 18
				CONFIDENTIAL
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET 142³ Reason: Shot claim

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	345	Mild Cem	Rem Plus	3/8 CL 1/4 # Floce	3.32	11.1
	150	Rem Plus		2/8 CL 1/4 # Floce	1.32	14.8

Circulating _____	Displacement _____	Preflush: _____	Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____	Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI _____	Disp: BBI - Gal 101.4
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____	Gal - BBI 221.35	
		Total Volume _____	Gal - BBI _____	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE SIGNATURE: *Alvin Adenour*



JOB LOG 4239-5

TICKET #	771781	TICKET DATE	10/14/07
REGION	North America	BDA / STATE	TX
NWA/COUNTRY		COUNTY	
MBUID / EMP #		PSL DEPARTMENT	RELEASED
LOCATION		CUSTOMER REP / PHONE	
TICKET AMOUNT		API / UWI #	U-6 2000
WELL LOCATION		DEPARTMENT	
LEASE / WELL #		JOB PURPOSE CODE	FROM CONFIDENTIAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS

CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0620							Time Collected
	0700							Time Ready
	0830							Time on loc.
	1200							START Pump Casing
	1240							Casing in Hole
	1245							Hook up to Casing for
	1250							make Casing w/ Pump
	1252							make Mud to Casing Level
	1305							Hook up to Pump Truck
	1308	7				250		START Mixing Cement
	1325		177.85			150		START Tail Cement
	1332		23.50			120		Finish Mixing Cement
	1339		221.35					SLUT Done
	1340	6				50		START Displacement
	1400	4.8				380		Pump Down
			2101.4			1900		Front Held
								Wash Pump Lines last 115 BPM / 2
								Circle Cement TO PIT 4000/695

ORIGINAL

Thanks For Calling

HALLIBURTON

KCC

NOV 1 8

CONFIDENTIAL

Energy
Dennis Corne

CCW



JOB SUMMARY 4239-1

REGION: North America	NWA/COUNTRY: USA	TICKET #: 232011	TICKET DATE: 10-28-97
MBU ID / EMP #: 12103 F4550	EMPLOYEE NAME: Tyle Davis	BDA / STATE: KS	COUNTY: Sedgewick
LOCATION: Libran 42	COMPANY: APC	PSL DEPARTMENT: CMT	CUSTOMER REP / PHONE: RELEASED
TICKET AMOUNT	WELL TYPE: 10	API / UWI #	DATE: MAY 06 2000
WELL LOCATION: Land	DEPARTMENT: CMT	JOB PURPOSE CODE: 115	FROM: CONFIDENTIAL
LEASE / WELL: Mallin 12-7	SEC / TWP / RNG: 34-34-34		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
B. Miller 42308			
J. Du Toit 112516			
B. Orille			

CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52877-75374	20.12						
425042	13						
4037-5742	53						

ORIGINAL

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

MATERIALS			
Treat Fluid	Density	Lb/Gal	
Disp. Fluid	Density	Lb/Gal	
Prop. Type	Size	Lb.	
Prop. Type	Size	Lb.	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perpac Balls	Qty.		
Other			
Other			
Other			
Other			

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
10-29-97	1430	10-29-97	10-30-97	10-30-97
		2215	0155	0540

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/D.P.	11	16.6	1 1/2	KB	3100	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				PTA KCC NOV 18 CONFIDENTIAL
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	
	Avail.	Used
TREATED	AVERAGE RATES IN BPM	
	Disp.	Overall
FEET	CEMENT LEFT IN PIPE	
	Reason	

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	225	Gal/160 20mm	15	6.70 G.P.I.	1.64	12.7

Circulating _____ Displacement _____ Preflush: Gal - BBI: _____ Type: 1/200
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI: _____ Pad: BBI - Gal
 Average _____ Frac Gradient _____ Treatment Gal - BBI: _____ Disp: BBI - Gal 26.5
 Shut In: Instant 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI: 66
 Total Volume Gal - BBI: _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE: *[Signature]*



JOB LOG 4239-5

REGION North America	NWA/COUNTRY	TICKET #	TICKET DATE
MBU ID / EMP #	EMPLOYEE NAME	BDA / STATE	COUNTY
LOCATION	COMPANY	PSL DEPARTMENT	RELEASED
TICKET AMOUNT	WELL TYPE	CUSTOMER REP / PHONE	NOV 06 2000
WELL LOCATION	DEPARTMENT	API / UWI #	FROM CONFIDENTIAL
LEASE / WELL #	SEC / TWP / RNG	JOB PURPOSE CODE	

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (GBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1930							Called out for job.
	2215							On loc. dir. call on well
	2245							Start L.O.D.P.
	0155	6.0	10	✓		400		1 st Plug at 3100 ft
	0158	6.5	29	✓		400		PUMP H ₂ O
	0203	6.5	2.5	✓		50		PUMP 100% at 13.2" H ₂ O
	0205	7.0	33	✓	✓	190		PUMP H ₂ O
	0208	0	33	✓		0		PUMP MUD
								Shut down pull D.P.
								Plug at 1650 ft
0316	0316	6.0	10	✓		250		PUMP H ₂ O
	0318	6.0	14.6	✓		250		PUMP 50% at 13.2" H ₂ O
	0320	6.0	3.5	✓		50		PUMP H ₂ O
	0323	6.0	17.7	✓		150		PUMP MUD
	0325	6.0				0		Shut down pull D.P.
								Plug at 650 ft
	0400	6.0	4.0					PUMP H ₂ O
	0400	6.0	40	✓		150		PUMP H ₂ O
	0406	6.0	12	✓		100		PUMP 40% at 13.2" H ₂ O
	0408	6.0	4.5	✓		0		PUMP H ₂ O
	0410	0	4.5	✓		0		Shut down pull D.P.
								Plug 40 ft
	0515							Plug 40 ft & MUD
	0525							
	0540							Job over
								Thanks for calling
								Tyce Blair & crew

CONFIDENTIAL

MCC
NOV 18
CONFIDENTIAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-175-21672

ORIGINAL

Test Ticket CONFIDENTIAL

No 9802

Well Name & No. Mapkas A #2 Test No. 1 Date 10-22-97
 Company Anadarko Zone Tested St. Louis
 Address P.O. Box 351 Liberal, KS 67905-0351 Elevation 2933 KB 2900 GL
 Co. Rep / Geo. John Shilling Cont. Cheyenne #21 Est. Ft. of Pay Por. %
 Location: Sec. 34 Twp. 34S Rge. 34W Co. Seward State KS
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 6553-6570' **RELEASED** Initial Str Wt./Lbs. 120,000 Unseated Str Wt./Lbs. 120,000
 Anchor Length 17' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 26,000
 Top Packer Depth 6565' **MAY 06 2000** Tool Weight 1,500
 Bottom Packer Depth 6570' **FROM CONFIDENTIAL** Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 6595' Wt. Pipe Run Drill Collar Run 1394'
 Mud Wt. 9.1 LCM 8 Vis. 49 WL 2.4 Drill Pipe Size 4 1/2" Hole Ft. Run 5139'
 Blow Description F.F. - weak surface blow. Built to 1/2" in bucket in 10 min. Run decreasing.

ISE -
 SF - No Blow
 FSI -

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	
Rec. <u>20'</u> Feet Of <u>100% PRLQ mud</u>	%gas	%oil	%water <u>100%</u> %mud	
Rec. <u> </u> Feet Of <u>KCC</u>	%gas	%oil	%water	%mud
Rec. <u> </u> Feet Of <u>NOV 18</u>	%gas	%oil	%water	%mud
Rec. <u> </u> Feet Of <u>CONFIDENTIAL</u>	%gas	%oil	%water	%mud

BHT 138° °F Gravity °API D° °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud <u>3183</u>	<u>3258</u> PSI	Recorder No. <u>3024</u>	T-Started <u>2:15 pm</u>
(B) First Initial Flow Pressure <u>19</u>	<u>0</u> PSI	(depth) <u>6556'</u>	T-Open <u>4:17 pm</u>
(C) First Final Flow Pressure <u>23</u>	<u>0</u> PSI	Recorder No. <u>1255</u>	T-Pulled <u>7:17 pm</u>
(D) Initial Shut-in Pressure <u>26</u>	<u>0</u> PSI	(depth) <u>6566'</u>	T-Out <u>10:00 pm</u>
(E) Second Initial Flow Pressure <u>34</u>	<u>97</u> PSI	Recorder No. <u>3025 2436</u>	
(F) Second Final Flow Pressure <u>34</u>	<u>97</u> PSI	(depth) <u>6595'</u>	
(G) Final Shut-in Pressure <u>183</u>	<u>118</u> PSI	Initial Opening <u>30 min. Test</u>	<u>Straddle Conventions</u>
(H) Final Hydrostatic Mud <u>3273</u>	<u>3238</u> PSI	Initial Shut-in <u>60 min.</u>	Jars <u> </u>

Alpine AK-1 #1055 Final Flow 30 min. Safety Joint
 Final Shut-in 60 min. Straddle

TRILOBITE TESTING L.L.C. 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 [Signature]
 Our Representative [Signature]

Circ. Sub N/C
 Sampler
 Extra Packer
 Elect. Rec.
 Other
 TOTAL PRICE \$ 31,900.00

CONFIDENTIAL

TRILOBITE TESTING L.C.C.

P.O. Box 362 - Hays, Kansas 67601

ORIGINAL

FLUID SAMPLER DATA

Ticket No. 9802 Date 10-22-97
 Company Name Anadarko
 Lease Matkins A#2 Test No. 1
 County Seward Sec. 34 Twp. 34s Rng. 34w

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud _____ ML
 Water _____ ML
 Other _____ ML
 Pressure _____ PSI
 Total 1000 ML

PIT MUD ANALYSIS

Chlorides 1,000 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 4.7
 Mud Weight 9.1
 Filtrate 8
 Other WL. 8.4

SAMPLER ANALYSIS

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

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.