

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: ANADARKO ENERGY SERVICES

Operator Contact Person: SHAWN YOUNG

Phone (316) 624-6253

Contractor: Name: DUKE DRILLING

License: 5929

Wellsite Geologist: KEN LEBLANC 9-2-99

Designate Type of Completion

New Well Re-Entry Workover

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

6-1-1999 6-22-1999 7-21-1999
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21772-00-00

County SEWARD

N/2 - N/2 - SE - SW Sec. 6 Twp. 35 Rge. 33 E W

1250 Feet from (circle one) Line of Section

1980 Feet from (circle one) Line of Section

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

Lease Name TUCKER "M" Well # 1

Field Name WILDCAT

Producing Formation CHESTER

Elevation: Ground 2870.2 KB _____

Total Depth 9050 PBTB 6745

Amount of Surface Pipe Set and Cemented at 1584 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 ALT 1 9/21 8/11/00
(Data must be collected from the Reserve Ppt)

Chloride content 1500 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: KCC

Operator Name RELEASED AUG 31 1999

Lease Name DEC 17 2001 License No. CONFIDENTIAL

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County FROM 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.

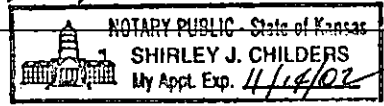
Signature L. Marc Harvey
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 8-31-99

Subscribed and sworn to before me this 31st day of August
19 99.

Notary Public Shirley Childers

Date Commission Expires _____



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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name TUCKER "M" Well # 1

Sec. 6 Twp. 35 Rge. 33 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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Name	Top
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHASE	2619	KINDERHOOK	7734
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	3002	VIOLA	7774
List All E.Logs Run: CBL-CCL-GR, DIL, CNL-LDT, NGR, ML, BHC SONIC, MSFL. 3 DST'S RUN: (SEE ATTACHMENTS) #1: 5305-5326 #2: 6650-6683 #3: 7815-7863		HEEBNER	4340	SIMPSON	7835
		TORONTO	4366	ARBUCKLE	7875
		LANSING	4500	BASEMENT	8342
		MARMATON	5209		
		CHEROKEE	5518		
		ATOKA	5712		
		MORROW	5870		
		CHESTER	6175		
		STE. GENEVIEVE	6558		
		ST. LOUIS	6620		
		SPERGEN	6788		
		OSAGE	7263		

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	1584	P+ MIDCON 2/ PREM PLUS	345/100	3%CC, 1/2#SK FLC, .1% FWCA/2CC, 1/2#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6804	50/50 POZ/ 50/50 POZ.	50/144	10% SALT, .75% HALAD 322, 1/2#SK FLC/SAME.
					F.O. TOOL @ 5422'	(NOT USED)	

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
3	6524-6539		ACID: 750 GAL 5.4% HCL & 750 GAL 7 1/2% HCL.		6524-6539
			FRAC: 33480 GAL GEL & 83500# 20/40 SD.		"

TUBING RECORD	Size 2 3/8"	Set At 6434	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. 8/30/1999	Producing Method <input checked="" 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 Bbls.	Gas Mcf 2300	Water Bbls. 87	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: 6524-6539



HALLIBURTON

JOB SUMMARY

CONFIDENTIAL

TICKET #	75298	TICKET DATE	ORIGINAL
BDA / STATE	Ks	COUNTY	SEWARD
PSL DEPARTMENT			
CUSTOMER REP / PHONE	Jim Barlow		KCC
API / UWI #			
JOB PURPOSE CODE	G10		AUG 31 1999

REGION	North America	NWA/COUNTRY	
MBU ID / EMP #	ME110112 / 105943	EMPLOYEE NAME	Ron Crist
LOCATION	Liberal	COMPANY	Anadarko
TICKET AMOUNT	6603.86	WELL TYPE	01
WELL LOCATION		DEPARTMENT	5001
LEASE / WELL #	Tucker M-1	SEC / TWP / RNG	6 - 355 - 33W

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
R Crist 105943	4						
T Davis 106304	4						
R Ferguson 106154	3						
D Fulk 106109	3						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420621							
54038-7794							
52938-6611							
54024-6610							

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	1	
Float Shoe		
Guide Shoe	1	
Centralizers	5	
Bottom Plug		
Top Plug	1	
Head	1	
Packer Weld A	1	
Other Basket	1	

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	In
Perpac Balls	Qty.	Michita, Kansas
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
6-2-99	0600	0900	0920	1220

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23	8 5/8	61	1585	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				RELEASED
				DEC 17 2001
				FROM CONFIDENTIAL
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Disp.	Overall
FEET	CEMENT LEFT IN PIPE	Reason	Shoe Joint
43.07			

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	395	PP midcon	B	3% CC, 1% FWCA, 1/2# Floccle	2.94	11.4
	100	PP	B	2% CC, 1/4# Floccle	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
Shut In: Instant	5 Min 15 Min	Cement Slurr	Gal - BBI	180, 23.5
		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
 Jim Barlow



HALLIBURTON®

JOB LOG 4239-5

CONFIDENTIAL

TICKET #	TICKET DATE
7- - -	ORIGINAL
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	KCC
API / UWI #	AUG 31 19
JOB PURPOSE CODE	CONFIDENTIAL

REGION	North America	NWA/COUNTRY
MBU ID / EMP #		EMPLOYEE NAME
LOCATION		COMPANY
TICKET AMOUNT		WELL TYPE
WELL LOCATION		DEPARTMENT
LEASE / WELL #		SEC / TWP / RNG

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0600							Called out
	0900							on loc
	0922							Run Csg
	1028							Pipe on bottom
	1035							Hook to Circulate
	1040							circ to pit safety meeting
	1048							Hook to cmt
	1050							Pressure gauge Not Functioning Properly
								Myra Hostan went after manual gauges
	1109							Press Test Gauges work
	1115					150		Start Lead cmt
	1141	605	180			150		Start Tail cmt
	1146					100		Shut Down Drop Plug
	1148	6				80		Start Displacement
	1207	2	60			350		slow rate cement to surface 5BBLs
	1212	1	90out			375		slow rate
	1215	1	98out			700		Bump Plug Float Held

RELEASED

DEC 17 2001

FROM CONFIDENTIAL

Thank you
 Ron Tyce

RECORDED
 STRA...
 SEP 20 11 50
 CO...
 White, Kansas

TICKET #	91848	TICKET DATE	8-26-99
BDA / STATE	KS	COUNTY	SEWARD
PSL DEPARTMENT	ZI		
CUSTOMER REP / PHONE	JUNIOR		KCC
API / UWI #			AUG 31 1999
JOB PURPOSE CODE	5 1/2 C.S.		CONFIDENTIAL

REGION	North America	NWA/COUNTRY	CENTRAL
MBU ID / EMP #	CB40105 105824	EMPLOYEE NAME	A. D. SCHROEDER
LOCATION	PANAMA TX	COMPANY	ANADARLO PET CORP
TICKET AMOUNT	5068.87	WELL TYPE	01
WELL LOCATION	W/CIBERAL KS	DEPARTMENT	ZI
LEASE / WELL #	TUCKER M-1	SEC / TWP / RNG	6-35S-33W

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
SCHROEDER 105824 6	TOMLINSON 106121 6	BASILE 106143 6	

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
6-25	1900							CALLED OUT
	2120							ON LOC - W.O.H.
6-26	2330							SAFETY MEETING
	2332							TEST LINES
1	0152	4	8			300		PUMP H2O SPACER
1	0154	3	10			250		PUMP SUPERFLUSH
1	0158	4	8			250		PUMP H2O SPACER
1	0210	5	18			350		MIX + PUMP LEAD CMT
1	0213	5	33			300		MIX + PUMP TAIL CMT
1	0222					2		DROP TOP PLUG
1	0223					2		WASH PUMP + LINES
1	0227	5				2		START DISPLACEMENT
1	0254	2				400		SLOW RATE DOWN
1	0301		161			2000		LAND PLUG
1	0304							REL PSI - FLT HOLDING
1	0305							JOB COMPLETE

Thanks

RELEASED

DEC 17 2001

FROM CONFIDENTIAL

RECEIVED
 STA. RECORDS
 SEP - 2 1999
 GINSLEY (101) 10100
 Wichita Kansas

KCC

TRILOBITE TESTING L.L.C.

ORIGINAL

AUG 5 1 1999

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL CONFIDENTIAL Test Ticket

No 11762

Well Name & No. Tucker "M" #1 Test No. 1 Date 6-7-99
 Company Amadoka Pet. Corp. Zone Tested Marathon
 Address Liberal KS & Houston TX Elevation 2880 KB 2870 GL
 Co. Rep / Geo. Jr. Strick Cont. Duke Rig Co Est. Ft. of Pay 8 Por. 8 %
 Location: Sec. 6 Twp. 35.5 Rge. 33W Co. Seward State KS
 No. of Copies Reg. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 5305-5326 Initial Str Wt/Lbs 74,000 Unseated Str Wt/Lbs 80,000
 Anchor Length 21' Tool = 30' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 30,000
 Top Packer Depth 5300 Tool Weight 1800
 Bottom Packer Depth 5305 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5326 Wt. Pipe Run _____ Drill Collar Run 620
 Mud Wt. 9.2 LCM 4# Vis. 445 WL 9.44 Drill Pipe Size 4 1/2 XH Ft. Run 4684 29' up
 Blow Description Strong OBB in 30 sec. Strong throughout T.F.P.
1 1/2" blow-backs T.S.T.P.
Strong OBB in 30 sec. GTS in 5 min. See Flow Chart F.F.P.
4" blow-backs F.S.T.P.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>665</u>	<u>4639</u>	<u>620</u>	<u>445</u>
Rec. <u>135</u> Feet Of <u>O&G cut w/ty mud</u>	<u>7</u> %gas	<u>13</u> %oil	<u>20</u> %water <u>60</u> %mud
Rec. <u>110</u> Feet Of <u>O&G cut</u>	<u>25</u> %gas	<u>5</u> %oil	<u>70</u> %water %mud
Rec. <u>420</u> Feet Of <u>Cassy w/ty</u>	<u>3</u> %gas	%oil	<u>97</u> %water %mud
Rec. _____ Feet Of _____	DEC 17 2001	%gas	%oil %water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
BHT <u>123</u> °F Gravity _____	FROM CONFIDENTIAL	°F Corrected Gravity _____	°API
RW <u>0.22</u> @ <u>69</u> °F Chlorides <u>32,500</u> ppm Recovery	Chlorides <u>1400</u> ppm System		

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2500</u>	<u>2560</u>		<u>3017 "22:57"</u>	<u>8:20 AM</u>
(B) First Initial Flow Pressure	<u>115</u>	<u>54</u>		(depth) <u>5307</u>	T-Started <u>11:10 AM</u>
(C) First Final Flow Pressure	<u>160</u>	<u>151</u>		Recorder No. <u>12630</u>	T-Open <u>1:10 AM</u>
(D) Initial Shut-In Pressure	<u>1669</u>	<u>1722</u>		(depth) <u>5323</u>	T-Pulled <u>5:40 AM</u>
(E) Second Initial Flow Pressure	<u>176</u>	<u>119</u>		Recorder No. _____	T-Out <u>9:20 AM</u>
(F) Second Final Flow Pressure	<u>257</u>	<u>258</u>		(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1665</u>	<u>1715</u>		Initial Opening <u>30</u>	Test ✓ <u>800</u>
(Q) Final Hydrostatic Mud	<u>2437</u>	<u>2524</u>		Initial Shut-in <u>60</u>	Jars ✓ <u>200</u>
				Final Flow <u>60</u>	Safety Joint ✓ <u>50</u>
				Final Shut-in <u>120</u>	Straddle _____
					Circ. Sub/ _____
					Sampler ✓ <u>200</u>
					Extra Packer _____
					Elec. Rec ✓ <u>150</u>
					Mileage _____
					Other _____
					TOTAL PRICE \$ <u>1,400.00</u>

60792257.017
 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.

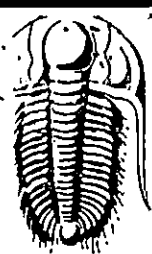
Approved By Kenn G. Blonc

Our Representative [Signature]

RECEIVED STATE OF KANSAS CONSERVATION DIVISION

SEP - 2 1999

CONSERVATION DIVISION
Wichita, Kansas



RILOBITE TESTING L.L.C.

CONFIDENTIAL

ORIGINAL

P.O. Box 362 • Hays, Kansas 67801 • (913) 825-4778

KCC

AUG 31 1999

GAS VOLUME REPORT

CONFIDENTIAL

Anadarko Pkt.
OPERATOR

Trucker "M" #1
WELL NAME AND NO.

DST NO.

Gas to surface 5 min. into F.F.P.

Min:	I.F.P.			Min.	F.F.P.		
	Ins. of Water PSIG	Orifice Size	MCF/D		Ins. of Water PSIG	Orifice Size	MCF/D
		<i>No Gas</i>		10	15	1/2"	24,500
				20	15	"	24,500
				30	17	"	25,800
				40	19	"	27,300
				50	20	"	28,000
				55	20	"	28,000
				60	<i>Press. up Gas bottle F15 min.</i>		
							RELEASED
							DEC 7 2001
							FROM CONFIDENTIAL
							RECEIVED
							STATE DIVISION
							SEP - 2 1999
							CONSERVATION DIVISION
							Wichita, Kansas

Remarks: *Gas burned.
1 sample caught. To Caraway*

CONFIDENTIAL

ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

KCC

FLUID SAMPLER DATA

AUG 31 1999

CONFIDENTIAL

Ticket No. 11762 Date 6-7-99

Company Name Amadaska Pet.

Lease Tucker "m" #1 Test No. 1

County Seward Ks. Sec. 6 Twp. 35.5 Rng. 33W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas 20.2 cu ft

Chlorides 1400 ppm

Oil 0 ML

Resistivity 4.3 ohms @ 66 F

Mud 0 ML

Viscosity 45

Water 2100 ML

Mud Weight 9.2 **RELEASED**

Other 0 ML

Filtrate 9.4 **DEC 17 2001**

Pressure 1370 PSI

Other 4# LeCelle

FROM CONFIDENTIAL

Total Vol. Rec. = 2100 ML

Total Vol. of chamber = 5000 ML

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity 0.22 ohms @ 69 F

TOP Resistivity ~~_____~~ ohms @ _____ F

Chlorides 32,500 ppm

Chlorides _____ ppm

Gravity _____ corrected @ 60 F

MIDDLE Resistivity ~~_____~~ ohms @ _____ F

RECEIVED
STATE OF KANSAS COMMISSION

Chlorides _____ ppm

SEP - 2 1999

BOTTOM Resistivity 0.22 ohms @ 69 F

CONSERVATION DIVISION
Wichita, Kansas

Chlorides 32,500 ppm

CONFIDENTIAL

ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

KCC

No. 11763 AUG 5 1 1999

Test Ticket

CONFIDENTIAL

Well Name & No. Tucker "M" #1 Test No. 2 Date 6-11-99
 Company Amastacko Petr. Corp. Zone Tested St. Louis
 Address Liberal Ave. & Howarden Tr. Elevation 2882 KB 2870 GL
 Co. Rep / Geo. Jim Backlund Cont. Duke Rig Co Est. Ft. of Pay 12 Por. 15 %
 Location: Sec. 6 Twp. 35 S. Rge. 33 W. Co. Seward State Ks.
 No. of Copies Reg. Distribution Sheet (Y, N) N. Turnkey (Y, N) N. Evaluation (Y, N) _____

Interval Tested 6650-6683 Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 83,000
 Anchor Length 33' Tool = 30' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 30,000
 Top Packer Depth 6645 Tool Weight 1,800
 Bottom Packer Depth 6650 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 6683 Wt. Pipe Run _____ Drill Collar Run 620
 Mud Wt. 9.0 LCM 4# Vis. 48 WL 8.8 Drill Pipe Size 4 1/2 x.H. Ft. Run 6013 13' up
 Blow Description Wash 2 1/2" built to 4" in 15 min. Stabilized. F.F.P. "stabil 17"
No blow-back. F.S. T.P.
No blow. Flushed tool 20 min. into F.F.P. Had a few bubbles, died. F.F.P.
No blow-back. F.S. T.P.

Recovery — Total Feet 180 GIP 0 Ft. in DC 180 Ft. in DP 0
 Rec. 90 Feet Of Mud **RELEASED** %gas %oil %water 100 %mud
 Rec. 90 Feet Of 5 1/2" MTC out 100' **DEC 17 2001** %gas %oil 4 %water 96 %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 Rec. _____ Feet Of _____ **FROM CONFIDENTIAL** %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 BHT 147 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW 0.48 @ 80 °F Chlorides 14,700 ppm Recovery Chlorides 900 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>3185</u>	<u>3188</u>		<u>3017 "07:17"</u>	<u>6:30 A.M.</u>
(B) First Initial Flow Pressure	<u>126</u>	<u>91</u>		(depth) <u>6652</u>	T-Started <u>7:40 A.M.</u>
(C) First Final Flow Pressure	<u>126</u>	<u>105</u>		Recorder No. <u>13630</u>	T-Open <u>10:30 A.M.</u>
(D) Initial Shut-In Pressure	<u>1917</u>	<u>1921</u>		(depth) <u>6680</u>	T-Pulled <u>3:00 P.M.</u>
(E) Second Initial Flow Pressure	<u>151</u>	<u>111</u>		Recorder No. _____	T-Out <u>6:45 P.M.</u>
(F) Second Final Flow Pressure	<u>151</u>	<u>127</u>		(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1917</u>	<u>1918</u>		Initial Opening <u>30</u>	Test <u>✓</u> <u>900</u>
(Q) Final Hydrostatic Mud	<u>3114</u>	<u>3125</u>		Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u>
				Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
				Final Shut-in <u>120</u>	Straddle _____
					Circ. Sub <u>✓</u>
					Sampler <u>✓</u> <u>200</u>
					Extra Packer _____
					Elec. Rec. <u>✓</u> <u>150</u>
					Mileage _____
					Other _____

6190717.017
 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 Jim Backlund
 Our Representative Jimmy S. Salgado

STATE OF KANSAS
 CONSERVATION DIVISION
 WICHITA, KANSAS
 SEP - 2 1999

TOTAL PRICE \$ 1500.00

CONFIDENTIAL

ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

KCC

AUG 31 1999

Ticket No. 11763 Date 6-11-99 CONFIDENTIAL
Company Name Anadarko Pet.
Lease Tracker "02" #1 Test No. 2
County Seward Ks. Sec. 6 Twp. 35S Rng. 33W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas 10.1 C.F. #1
Oil 0 ML
Mud 3772 ML
Water 328 ML
Other 0 ML
Pressure 690 PSI
Total Vol. Rec. = 4100 ML
Total Vol. of chamber = 5000 ml.

Chlorides 900 ppm.
Resistivity 6.6 ohms @ 64 F
Viscosity 48
Mud Weight 9.0
Filtrate 8.8
Other 4# L.C. 100

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DEC 17 2001

FROM CONFIDENTIAL

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity 0.48 ohms @ 80 F
Chlorides 14,700 ppm.
Gravity corrected @ 60 F

TOP
Resistivity ohms @ F
Chlorides ppm.

MIDDLE
Resistivity ohms @ F
Chlorides ppm.

BOTTOM
Resistivity 0.48 ohms @ 80 F
Chlorides 14,700 ppm.

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SEP - 2 1999

CONSERVATION DIVISION Wichita, Kansas

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

CONFIDENTIAL Test Ticket

No 11398

Well Name & No. Tucker "M" #1 Test No. 3 Date 6-16-99
 Company Anadarko Petroleum Corp. Zone Tested Viola
 Address P.O. Box 351, Liberal, KS 67905-0351 Elevation 2885' KB 2872' GL
 Co. Rep / Geo. Ken Hablun / J.M. Barlow Cont. Duke #6 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 6 Twp. 35 Rge. 33 Co. Seward State KS
 No. of Copies Norm Distribution Sheet (Y, N) _____ Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 7815' 7863' Initial Str Wt./Lbs. 95,000 Unseated Str Wt./Lbs. 96,000
 Anchor Length KCC 48' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 142,000
 Top Packer Depth NO 3 1099 7810' Tool Weight 5000
 Bottom Packer Depth _____ 7815' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth CONFIDENTIAL 7863' Wt. Pipe Run _____ Drill Collar Run 621
 Mud Wt. 9.1 LCM #6 Vis. 55 WL 8.1 Drill Pipe Size 1 1/2 XH Ft. Run 7222'
 Blow Description 2 1/2" @ open died back to 2" in.
Bleed off for 1 1/2 min. - No return.
Bubble to open tool - No blow
No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>20'</u>	_____	<u>20'</u>	_____
Rec. <u>20'</u> Feet Of <u>Water Cut Mud</u>	%airsum	%gas	%oil
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____

BHT 155° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW 1225 @ 67° °F Chlorides 33,000 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud	<u>3952</u>	<u>3916</u>	PSI	Recorder No.	<u>2346</u>	T-Started	<u>16:25 p.m.</u>
(B) First Initial Flow Pressure	<u>233</u>	<u>91</u>	PSI	(depth)	<u>7825'</u>	T-Open	<u>19:42 p.m.</u>
(C) First Final Flow Pressure	<u>177</u>	<u>87</u>	PSI	Recorder No.	<u>11058</u>	T-Pulled	<u>12:12 A.M.</u>
(D) Initial Shut-in Pressure	<u>244</u>	<u>235</u>	PSI	(depth)	<u>7858'</u>	T-Out	<u>04:35 A.M.</u>
(E) Second Initial Flow Pressure	<u>200</u>	<u>44</u>	PSI	Recorder No.	_____		
(F) Second Final Flow Pressure	<u>155</u>	<u>53</u>	PSI	(depth)	_____		
(G) Final Shut-in Pressure	<u>155</u>	<u>135</u>	PSI	Initial Opening	<u>30</u>	Test 1	<u>DEC 17 2001</u>
(H) Final Hydrostatic Mud	<u>3941</u>	<u>3959</u>	PSI	Initial Shut-in	<u>60</u>	Jars	

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DEC 17 2001

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Approved By J.M. Barlow

Our Representative Steve McP...

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Wichita, Kansas

Extra Packer _____
 Elect. Rec. X
 Other _____
 TOTAL PRICE \$ _____

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ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

KCC

AUG 31 1999

FLUID SAMPLER DATA

CONFIDENTIAL

Ticket No. 11398 Date 6-16-99
 Company Name Anadarko
 Lease Tucker "m" #1 Test No. #3
 County Seward, Ks Sec. 6 Twp. 35 Rng. 33

SAMPLER RECOVERY

Gas — ML
 Oil — ML
 Mud 200 ML
 Water 3,800 ML
 Other — ML
 Pressure 60 PSI
 Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 900 ppm.
 Resistivity 5.41 ohms @ 80° F
 Viscosity 55
 Mud Weight 9.1
 Filtrate 8.1
 Other 2cm #6

RELEASED

DEC 17 2001

FROM CONFIDENTIAL

SAMPLER ANALYSIS

Resistivity .225 ohms @ 67 F
 Chlorides 33,000 ppm.
 Gravity — corrected @ 60 F

PIPE RECOVERY

TOP
 Resistivity .225 ohms @ 67 F
 Chlorides 33,000 ppm.

MIDDLE
 Resistivity — ohms @ — F
 Chlorides — ppm.

BOTTOM
 Resistivity .225 ohms @ 67 F
 Chlorides 33,000 ppm.

STATE OF KANSAS RECEIVED DIVISION

SEP - 2 1999

CONSERVATION DIVISION
Wichita, Kansas