

ORIGINAL

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: KN GATHERING

Operator Contact Person: DAVID W. KAPPLE

Phone ( 316 ) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion FROM CONFIDENTIAL

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl. Cathodic, etc)

If Workover:

Operator: AUG 31 2000

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBDT

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11-17-97 11-26-97 12-8-97

Spud Date 11-17-97 Date Reached TD 11-26-97 Completion Date 12-8-97

API NO. 15- 175-21681-00-00

County SEWARD

NE - NE Sec. 4 Twp. 33 Rge. 32 X W

660 Feet from NX (circle one) Line of Section

660 Feet from EX (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, SE, NW or SW (circle one)

Lease Name MILHON "B" Well # 1

Field Name FEDDER SW

Producing Formation MORROW

Elevation: Ground 2796.8 KB \_\_\_\_\_

Total Depth 6100 PBDT 5646

Amount of Surface Pipe Set and Cemented at 1625 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2965 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ALT 1 JK 6-2-98

(Data must be collected from the Reserve Pit)

Chloride content 1300 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

RELEASED

AUG 31 2000

FROM CONFIDENTIAL

RELEASED

AUG 31 2000

FROM CONFIDENTIAL

KCO

MAR 16

CONFIDENTIAL

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 3-13-98

Subscribed and sworn to before me this 13th day of March 19 98.

Notary Public Freda L. Hinz

Date Commission Expires \_\_\_\_\_

FREDA L. HINZ  
Notary Public - State of Kansas  
My Appt. Expires 5-18-99

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)  
MAR 18 1998  
3-18-98  
Form ACO-1 (7-91)

X

1471307400

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MILHON "B" Well # 1

Sec. 4 Twp. 33 Rge. 32  East  West County SEWARD

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	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHASE	2615	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2927	
List All E.Logs Run: SBT-CCL-GR, DIL, CNL-LDT-ML, MLL.		HEEBNER	4201	
DST REPORT ATTACHED.		TORONTO	4238	
		LANSING	4354	
		MARMATON	5000	
		CHEROKEE	5180	
		MORROW	5494	
		CHESTER	5674	
		STE. GENEVIEVE	5808	
		ST. LOUIS	5906	

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	1625	P+ MIDCON 2/ P+	380/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7/7/8"	5-1/2	15.5	5787	VERSASET/ VERSASET.	50/170	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC/ SAME.
			F. O. TOOL @	2965	NONE		

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
4	5650-5666, CIBP @ 5646.		NONE.	
4	5603-5632.		NONE.	
TUBING RECORD		Size	Set At	Packer At
				Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method	
2/20/98			<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
		1693	0	

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: 5603-5632

# TRILOBITE TESTING L.L.C. 15-175-21681

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

## Test Ticket

ORIGINAL

No 9810

Well Name & No. <u>Milhon "B" #1</u>	Test No. <u>1</u>	Date <u>11-25-97</u>
Company <u>Anadarko Petroleum Corporation</u>	Zone Tested <u>Morrow</u>	
Address <u>P.O. Box 351 Liberal, KS. 67905-0351</u>	Elevation <u>2810</u>	KB <u>2800</u> GL
Co. Rep / Geo. <u>Ken LaBlanc</u>	Cont. <u>Big A #1</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>4</u>	Twp. <u>33<sup>S</sup></u>	Rge. <u>32<sup>W</sup></u> Co. <u>Seward</u> State <u>KS.</u>
No. of Copies <u>    </u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>5614 - 5643</u>	Initial Str Wt./Lbs. <u>90,000</u>	Unseated Str Wt./Lbs. <u>100,000</u>
Anchor Length <u>29'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>120,000</u>
Top Packer Depth <u>5609</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>5614</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>5643</u>	Wt. Pipe Run <u>    </u>	Drill Collar Run <u>620'</u> (10)
Mud Wt. <u>9.0</u> LCM <u>3*</u> Vis. <u>46</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>500.3'</u> (81)
Blow Description <u>TF: Strong blow off btm immediately GTS @ 2 mins.</u>		
<u>ISI: No return blow. RELEASED</u>		

AUG 5 1 2000

Recovery — Total Feet <u>70'</u>	GIP <u>GTS</u>	Ft. in DP <u>70'</u>	Ft. in DP <u>    </u>
Rec. <u>    </u> Feet Of <u>    </u>	%gas	%oil	%water %mud
Rec. <u>70'</u> Feet Of <u>Dirig Mud KCC</u>	%gas	%oil	%water <u>100</u> %mud
Rec. <u>    </u> Feet Of <u>    </u>	%gas	%oil	%water %mud
Rec. <u>    </u> Feet Of <u>    </u>	%gas	%oil	%water %mud
Rec. <u>    </u> Feet Of <u>    </u>	%gas	%oil	%water %mud

MAR 16  
CONFIDENTIAL

BHT 111° °F Gravity      °API D@      °F Corrected Gravity      °API

RW      @      °F Chlorides      ppm Recovery Chlorides 1,100 ppm System

(A) Initial Hydrostatic Mud <u>2661</u>   <u>2713</u> PSI	Recorder No. <u>    </u>	T-Started <u>0123</u>
(B) First Initial Flow Pressure <u>325</u>   <u>251</u> PSI	(depth) <u>5616</u>	T-Open <u>0422</u>
(C) First Final Flow Pressure <u>528</u>   <u>584</u> PSI	Recorder No. <u>10333 (4075)</u>	T-Pulled <u>0552</u>
(D) Initial Shut-in Pressure <u>1786</u>   <u>1821</u> PSI	(depth) <u>5638</u>	T-Out <u>0900</u>
(E) Second Initial Flow Pressure <u>    </u> PSI	Recorder No. <u>    </u>	
(F) Second Final Flow Pressure <u>    </u> PSI	(depth) <u>    </u>	
(G) Final Shut-in Pressure <u>    </u> PSI	Initial Opening <u>30</u>	Test <u>800</u>
(H) Final Hydrostatic Mud <u>2610</u>   <u>2643</u> PSI	Initial Shut-in <u>60</u>	Jars <u>X 200</u>

Mech Ak-1 Elec Alp.

Final Flow      Safety Joint X 50

Final Shut-in      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 Steve Pidenour

Our Representative Rod Steinbrink

RECEIVED

FEB 10 1998

CONSULTATION DIVISION  
Wichita, Kansas

Circ. Sub X n/c

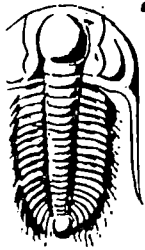
Sampler X 200

Extra Packer     

Elect. Rec. X 150

Other     

TOTAL PRICE \$ 1400



**TRILOBITE  
TESTING L.L.C.**

**CONFIDENTIAL**

**ORIGINAL**

P.O. Box 362 • Hays, Kansas 67801 • (913) 625-4778

RELEASED

AUG 31 2000

**GAS VOLUME REPORT**

Anadarko Pet Corp

Milhon B #1 FROM CONFIDENTIAL

OPERATOR

WELL NAME AND NO.

DST NO.

Initial Flow

Final Flow N/A

MIn.	In. of Water PSIG	Orifice Size	MCF/D	MIn.	In. of Water PSIG	Orifice Size	MCF/D
2	GTS	1 1/4"	0.				
0	31	1 1/4"	1,872,000				
0	50	1 1/4"	2,431,000				
0	58	1 1/4"	2,630,000				

KCC

MAR 16  
CONFIDENTIAL

MAR 18 1990

OPERATION DIVISION  
Wichita, Kansas

Remarks:

CONFIDENTIAL ORIGINAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

RELEASED

AUG 31 2000

FROM CONFIDENTIAL

FLUID SAMPLER DATA

Ticket No. 9810 Date 11-25-97  
 Company Name Anadarko Pet Corp. Cont. Big A #1  
 Lease Milhon B #1 Test No. 1 Morrow  
 County Seward KS. Sec. 4 Twp. 33<sup>S</sup> Rng. 32<sup>W</sup>

SAMPLER RECOVERY

Gas 4,000 ML  
 Oil \_\_\_\_\_ ML  
 Mud \_\_\_\_\_ ML  
 Water \_\_\_\_\_ ML  
 Other \_\_\_\_\_ ML  
 Pressure 1250\* PSI  
 Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 1,100 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 46  
 Mud Weight 9.0 **KCC**  
 Filtrate 8.0 **MAR 16**  
 Other **CONFIDENTIAL**

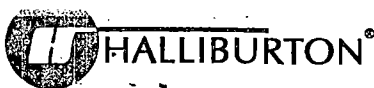
SAMPLER ANALYSIS

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 3.5 ohms @ 100° F  
 Chlorides **MAR 14, 1998** 1,100 ppm.

CONFIDENTIAL FROM ORIGINAL  
Wichita, Kansas



**JOB SUMMARY** 4239-1

TICKET # <b>234303</b>	TICKET DATE <b>11-18-97</b>
BDA / STATE <b>KS</b>	COUNTY <b>SEWARD</b>
PSL DEPARTMENT <b>CEMENT</b>	CUSTOMER REP / PHONE <b>JOHN SHILLINGS</b>
API / UWI #	JOB PURPOSE CODE <b>G/O -</b>

REGION <b>North America</b>	NWA/COUNTRY <b>Mid CONTINENT</b>
MBU ID / EMP # <b>15104 (2573)</b>	EMPLOYEE NAME <b>JOHN WOODROW</b>
LOCATION <b>LIBERAL, KS</b>	COMPANY <b>ANADARKO PETROLEUM</b>
TICKET AMOUNT	WELL TYPE <b>02</b>
WELL LOCATION <b>N. LIBERAL</b>	DEPARTMENT <b>CEMENT</b>
LEASE / WELL # <b>MILHORN B-1</b>	SEC / TWP / RNG <b>4-32S-32 W</b>

**ORIGINAL**

RELEASED

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS <b>G. HUMPHRIES</b>	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
---	--	--	--

**CONFIDENTIAL**

**AUG 5 1 2000**

FROM 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
------------------	-----------	------------------	-----------	------------------	-----------	------------------	-----------

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth **1625**

	<b>CALLED OUT</b>	<b>ON LOCATION</b>	<b>JOB STARTED</b>	<b>JOB COMPLETED</b>
DATE	<b>11-18-97</b>	<b>11-18-97</b>	<b>11-18-97</b>	<b>11-18-97</b>
TIME	<b>09:30</b>	<b>1100</b>	<b>1430</b>	<b>1520</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <b>INVERT 8 7/8</b>	<b>1</b>	<b>H</b>
Float Shoe		
Guide Shoe <b>REG 8 7/8</b>		<b>O</b>
Centralizers <b>5-4 8 7/8</b>		
Bottom Plug		<b>W</b>
Top Plug <b>5 1/2 8 7/8</b>		
Head <b>P/K 8 7/8</b>		<b>C</b>
Packer		
Other <b>BASKET 8 7/8</b>		<b>O</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>23</b>	<b>8 7/8</b>	<b>KB</b>	<b>1641</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						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	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

**KCC**  
**MAR 16**  
**CONFIDENTIAL**

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET <b>44</b>	CEMENT LEFT IN PIPE Reason	<b>SHOE POINT</b>

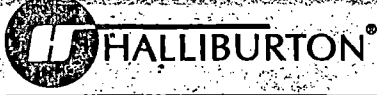
**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>300</b>	<b>Permutone</b>	<b>B</b>	<b>3.9 CC 1/4 MOCCEL</b>	<b>5.22</b>	<b>11.1</b>
	<b>100</b>	<b>Per</b>	<b>B</b>	<b>2.6 CC 1/4 MOCCEL</b>	<b>1.32</b>	<b>14.8</b>

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal <b>102</b>
		Cement Slurr Gal - BBI	
		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



**JOB LOG** 4239-5

TICKET #	234303	TICKET DATE	11-18-97
REGION	North America	NW/COUNTRY	MID CONTINENT
BDA / STATE	KS	COUNTY	SEWARD
MBU ID / EMP #	LT104 62873	EMPLOYEE NAME	JOHN WOODROW
PSL DEPARTMENT	CEMENT	CUSTOMER REP / PHONE	JOHN SHILINGS
LOCATION	LIBERAL, KS	COMPANY	ANADARKO PETROLEUM
TICKET AMOUNT		WELL TYPE	02
API / UWI #		DEPARTMENT	CEMENT
WELL LOCATION	N. LIBERAL	JOB PURPOSE CODE	010- ORIGINAL
LEASE / WELL #	MILHORN B-1	SEC / TWP / RNG	4-33S-32 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
G. HUMPHRIES							
J. FROST							
L. BOOTH J3482							

**CONFIDENTIAL**

RELEASED

AUG 3 1 2000

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1130							JOB READY FROM CONFIDENTIAL
	0850							CALLED OUT FOR JOB
	1100							PUMP TRUCK ON LOCATION / RIG HAS HOLE MADE ON BOTTOM CIRCULATING / SET UP PUMP TRUCK TRIP OUT DRILL PAF
	1130							START RUNNING 878 CSG + FLT EQUIP
	1415							CASING ON BOTTOM 1641' HOOK UP 879 P/C + CIRCULATING IRON
	1420							START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								<u>JOB PROCEDURE</u>
	1450	6.7	218			1250		MIX 380 SKS LEAD CMT AT 11.1 <sup>W/GAL</sup>
	1505	6.0	235			200		MIX 100 SKS TAIL CMT AT 19.8 <sup>W/GAL</sup> THROUGH MIXING CEMENT / SHUT DOWN RELEASE PLUG
	1511	6.7				1180		START DISPLACING HAVE 40 BBL OUT / HAVE CMT RETURNS TO SURFACE
	1536		104			500/1800		PLUG DOWN / RELEASE FLOAM / FLOAT H/FLD CIRCULATED (60 BBL, 104 SKS)

THANK YOU FOR CALLING

HALLIBURTON

KCC

MAR 16

CONFIDENTIAL

WOODY GARY



**JOB SUMMARY** 4239-1

TICKET #	732092	TICKET DATE	11-28-97
BDA / STATE	KS	COUNTY	Seward
PSL DEPARTMENT	Cement		
CUSTOMER REP / PHONE			
API / UWI #			
JOB PURPOSE CODE	035	<b>ORIGINAL</b>	
SECT / TWP / RNG	4 335 32.1		

REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	63601	EMPLOYEE NAME	D. McLean
LOCATION	Local	COMPANY	Aradco Petroleum
TICKET AMOUNT		WELL TYPE	
WELL LOCATION	land	DEPARTMENT	Cement
LEASE / WELL #	Milbon B-1	SECT / TWP / RNG	4 335 32.1

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. Fortington 51832			
O. Hamilton 63090			
<b>CONFIDENTIAL</b>			AUG 31 2000
FROM 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
50242	46						
52938-7131	46						
52276-7549	54						

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 Insert 5 1/2	1	11
Float Shoe		
Guide Shoe		
Centralizers Reg 5 1/2	1	0
Bottom Plug	12	
Top Plug		W
Head	1	
Packer	1	C
Other		

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
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	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
11-27-97	2200	11-28-97	0312	0935

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	W	15.5	5 1/2	66	5801
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

**KCC**  
**MAR 16**  
**CONFIDENTIAL**

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
TREATED	<b>AVERAGE RATES IN BPM</b>	
	Disp.	Overall
FEET	<b>CEMENT LEFT IN PIPE</b>	
41	Reason	shoe - 11.2 at

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	50	Prem.	B	16% Hated 9 5% KCL 9% Urisol 10 lb	215	13.4
	170	Prem.	B	16% Hated 9 5% KCL 9% Urisol 10 lb	153	14.1
	25	Prem.	B		118	15.6

Circulating	Displacement	Flush: Gal - BBI	9.10.8	Type	5.20.8 51.4
Breakdown	Maximum	Load & Bkdn: Gal - BBI		Pad: BBI - Gal	
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal	1.37
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	Total Volume	14.46 8.6.19 RHOPI 5
	15 Min	Total Volume	Gal - BBI		





JOB LOG 4239-5

TICKET #	232094	TICKET DATE	11-28-97
BDA / STATE	KS	COUNTY	Sevier
PSL DEPARTMENT	Cement		
CUSTOMER REP / PHONE			
API / UWI #			
JOB PURPOSE CODE	035	<b>ORIGINAL</b>	
WELL LOCATION	Lead		

REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	LTAOS 63601	EMPLOYEE NAME	D. McNamee
LOCATION	Liberal	COMPANY	Landmark Petroleum Corp
TICKET AMOUNT		WELL TYPE	62
WELL LOCATION	Lead	DEPARTMENT	Cement
LEASE / WELL #	Mlboun R-1	SEC / TWP / RNG	4 33S 32W

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. Tomlinson J1832			
D. Hamilton G3090			

**CONFIDENTIAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2200							Job Ready Now
	2200							Called for Job
	2330							on location set up pump truck start running Csg & float Equip
	2335							Csg at Bottom
	2340							Hook up PIC & Circulating Train <b>KCC</b>
	0257							Start Circulating
	0318	3	5	✓		0		Plug RH & MH
	0340							through circulating
	0341							Hook up to Halliburton <b>CONFIDENTIAL</b>
								Job Procedure 5 1/2 long string
	0342	5	8	✓				100 Start Fresh water
	0343	5	10	✓				100 Start Super Flush
	0345	5	8	✓				100 Start Fresh water
	0347	6	19	✓				100/200 Start Scavenger Cement @ 12#/Gal
	0351	6	46	✓				200 Start Cement @ 14.1#/Gal
	0400							through mixing Cement
	0401							Shut Down / Release Plug <b>RELEASED</b>
	0403							Wash up pumps & lines
	0407	6	137	✓				200/100 Start Displacement <b>APR 3 1 2000</b>
	0423			✓				100/200 Caught Cement 105 Bbls out
	0428	3						Slow Down Rate
	0433			✓				200/3000 Plug Landed / Pressure Test <b>CONFIDENTIAL</b>
	0434							Release Float
	0435							Float Held

Thank You For Calling Halliburton  
 Danny & Bryan & Dan

MAR 10 1998