

FORM MUST BE TYPED

ORIGINAL

CONFIDENTIAL

SIDE ONE

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: TEXACO TRADING & TRANSPORTATION, INC.

Operator Contact Person: DAVID W. KAPPLE

Phone ( 316 ) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 12715382

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: \_\_\_\_\_

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

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

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

3-10-98 3-25-98 4-15-98  
Spud Date Date Reached TD Completion Date

API No. 15- 175-21714 0000

County SEWARD

E/2 - E/2 - NW - NW Sec. 35 Twp. 34 Rge. 34 X W

660 Feet from NX (circle one) Line of Section

1200 Feet from X/W (circle one) Line of Section

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

Lease Name HATCHER "B" Well # 2

Field Name ARCHER

Producing Formation ST. LOUIS

Elevation: Ground 2894.4 KB \_\_\_\_\_

Total Depth 8100 PBSD 6620

Amount of Surface Pipe Set and Cemented at 1612 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 Att. 1, 7-30-98 UIC.  
(Data must be collected from the Reserve Pit)

Chloride content 1200 ppm Fluid volume 10-68-07 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

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

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

Lease Name \_\_\_\_\_ License No. 5

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

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

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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 5-5-98

Subscribed and sworn to before me this 5th day of May 1998.

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  
RELEASED  SWD/Rep  NGPA  
 KG STATE  Plug  Other  
MAY 05 2000 MAY 07 10:00 (Specify)

FROM CONFIDENTIAL Form ACO-1 (7-91) KANSAS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HATCHER #18 Well # 1

Sec. 35 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: CBL-CCL-GR, DIL, CNL-LDT, ML, MSFL, SONIC.	<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:30%;">Name</td> <td style="width:30%;">Top</td> <td style="width:40%;">Datum</td> </tr> <tr> <td>CHASE</td> <td>2621</td> <td>KINDERHOOK 7650</td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2995</td> <td>VIOLA 7692</td> </tr> <tr> <td>HEEBNER</td> <td>4290</td> <td>SIMPSON 7776</td> </tr> <tr> <td>TORONTO</td> <td>4324</td> <td>ARBUCKLE 7822</td> </tr> <tr> <td>LANSING</td> <td>4442</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>5148</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5444</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5820</td> <td></td> </tr> <tr> <td>CHESTER</td> <td>6128</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>6456</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td>6473</td> <td></td> </tr> <tr> <td>SPERGEN</td> <td>6639</td> <td></td> </tr> <tr> <td>OSAGE</td> <td>7163</td> <td></td> </tr> </table>	Name	Top	Datum	CHASE	2621	KINDERHOOK 7650	COUNCIL GROVE	2995	VIOLA 7692	HEEBNER	4290	SIMPSON 7776	TORONTO	4324	ARBUCKLE 7822	LANSING	4442		MARMATON	5148		CHEROKEE	5444		MORROW	5820		CHESTER	6128		STE. GENEVIEVE	6456		ST. LOUIS	6473		SPERGEN	6639		OSAGE	7163	
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**CONFIDENTIAL**  
**UNTIL 5-5-2000**

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	1612	P+ MIDCON 2/ P+	320/100	3%CC, 1/4#SKFLC/ 2%CC, 1/4#SKFLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	7821	50/50 POZ/ 50/50 POZ.	25/350	.75% HALAD 322, 10% SALT, 1/4#SK FLC/ SAME.

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	
	4	7681-7691, CIBP @ 6815'		ACID: 500 GAL 7 1/2% HCL.
2	6762-6771, CIBP @ 6620'		ACID: 450 GAL 7 1/2% HCL.	6762-6771
4	6560-6567		ACID: 700 GAL 15% MCA.	6560-6567
4	6522-6547		ACID: 1875 GAL 15% MCA.	6522-6547
TUBING RECORD	Size 2 7/8"	Set At 6572	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 4-15-98		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 80 Bbls.	Gas 100 Mcf	Water 80 Bbls.	Gas-Oil Ratio 1250	Gravity 40.8

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: 6522-6567 (OA)

DRILLERS LOG

ANADARKO PETROLEUM CORPORATION  
HATCHER B-2  
SECTION 35-T34S-R34W  
SEWARD COUNTY, KANSAS

ORIGINAL

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COMMENCED: 03-10-98  
COMPLETED: 03-27-98

15-175-21714

SURFACE CASING: 1612' OF 8 5/8" CMTD  
W/320 SKS PREMIUM PLUS MIDCON + 2% CC  
+ 1/4 #/SK FLOCELE. TAILED IN W/100 SKS  
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE.

FORMATION

DEPTH

SURFACE HOLE

0 - 1620

SHALE

1620 - 2215

LIMESTONE & SHALE

2215 - 8100 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

WRAY VALENTINE

KCC  
MAY 3  
CONFIDENTIAL

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 31ST DAY OF MARCH, 1998.

JOLENE K. RUSSELL

  
NOTARY PUBLIC

JOLENE K. RUSSELL  
Notary Public - State of Kansas  
My Appt. Expires 9-13-99

RELEASED

MAY 05 2000

FROM CONFIDENTIAL

RECEIVED  
STATE COMMISSION

MAY 07 1998

# TRILOBITE TESTING L.L.C.

15-175-21714

P.O. Box 362 • Hays, Kansas 67601

## CONFIDENTIAL Test Ticket

# ORIGINAL

No 10213

Well Name & No. Hatcher "B" #2 Test No. 1 Date 3-19-98  
 Company Amaducke Pet. Corp. Zone Tested St. Louis  
 Address Liberal, KS. Elevation 2908 KB 2875 GL  
 Co. Rep / Geo. Jr. Stuck Cont. Cheyenne Rig 12 Est. Ft. of Pay 16 Por. 11 %  
 Location: Sec. 35 Twp. 34 S Rge. 34 W Co. Seward State KS.  
 No. of Copies Reg Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) \_\_\_\_\_

Interval Tested 6518 - 6569 Initial Str Wt./Lbs. 18,000 Unseated Str Wt./Lbs. 127,000  
 Anchor Length 51' 30' Tool Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 33,000  
 Top Packer Depth 6513 Tool Weight 2300  
 Bottom Packer Depth 6518 Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 6569 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 618  
 Mud Wt. 9.2 LCM 5 Vis. 41 WL 8.0 Drill Pipe Size 4 1/2" Ft. Run 5874 24' up

Blow Description Strong OBB in 30 Sec. GTS in 14 Min. See Flow Chart T.F.P.  
No blow-backs T.S. T.P.  
See Flow Chart F.F.P.  
OBB blow-backs F.S. T.P.

Recovery — Total Feet 760 GIP 5752 Ft. in DC 618 Ft. in DP 142

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>80</u>	<u>O &amp; G cut mud</u>	<u>4</u>	<u>24</u>	<u>72</u>	
<u>510</u>	<u>clean lassy oil</u>	<u>50</u>	<u>50</u>		
<u>170</u>	<u>5th mud cut lassy oil</u>	<u>13</u>	<u>80</u>	<u>7</u>	
_____	Feet Of _____	_____	_____	_____	_____
_____	Feet Of _____	_____	_____	_____	_____

BHT 144 °F Gravity 42 °API @ 60 °F Corrected Gravity 42 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud 3204 | 3132 PSI Recorder No. 3017 "23-35" T-Started 11:45 P.M.  
 (B) First Initial Flow Pressure 124 | 99 PSI (depth) 6520 T-Open 1:40 A.M.  
 (C) First Final Flow Pressure 124 | 114 PSI Recorder No. 13630 T-Pulled 6:10 A.M.  
 (D) Initial Shut-in Pressure 1424 | 1406 PSI (depth) 6566 T-Out 11:15 A.M.  
 (E) Second Initial Flow Pressure 203 | 122 PSI Recorder No. \_\_\_\_\_  
 (F) Second Final Flow Pressure 260 | 221 PSI (depth) \_\_\_\_\_  
 (G) Final Shut-in Pressure 1424 | 1387 PSI Initial Opening 30 52000 ✓  
 (H) Final Hydrostatic Mud 3094 | 3057 PSI Initial Shut-in 60 Jars ✓ ✓  
AK-1 Alpine Final Flow 60 FROM CONFIDENTIAL Safety Joint ✓ ✓

Final Shut-in 120 Straddle \_\_\_\_\_  
 Circ. Sub RECEIVED  
 Sampler ✓  
 Extra Packer ✓ MAY 07 1998  
 Elect. Rec. ✓  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ 4500.00

31982335-017  
 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 Chris Coy (Diagon AP.L.)  
 Our Representative Henry J. Sabers

# TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

## FLUID SAMPLER DATA

ORIGINAL

Ticket No. 10213 Date 3-19-98  
Company Name Anadarko Pet. Corp.  
Lease Hatcher "B" #2 Test No. DST #1  
County Seward Sec. 35 Twp. 3405 Rng. 34 W

Total Vol. 4000 mL  
SAMPLER RECOVERY

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### PIT MUD ANALYSIS

Gas 11.9 CF ~~ML~~ Chlorides 1100 ppm.  
Oil 2500 ML Resistivity 7.4 ohms @ 48 F  
Mud 0 ML Viscosity 41  
Water 0 ML Mud Weight 9.2  
Other 0 ML Filtrate 8.0  
Pressure 1010 PSI Other 5# LCM  
Total Total Vol. Rec. 2500 ML

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### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.  
Gravity 42° corrected @ 60 F

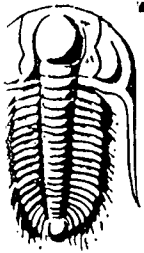
### PIPE RECOVERY

TOP  
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.  
MIDDLE  
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.  
BOTTOM  
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.

RELEASED  
MAY 05 2000  
FROM CONFIDENTIAL

MAY 07 1998

Wichita Kansas



# TRILOBITE TESTING L.L.C.

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

ORIGINAL

## GAS VOLUME REPORT

Anadorko Pet. Corp  
OPERATOR

Hatcher "B" #2  
WELL NAME AND NO.

1  
DST NO.

FS in 14 min. IFP  
IFP

FFP

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
20	14	3/4"	53,900	10	<del>5</del> 15	3/4"	55,200
30	10	"	44,800	20	<del>4</del> 11	"	47,200
				30	13	"	51,400
				40	12	"	49,300
				50	9	"	42,500
				60	6	"	34,700
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MAY 5							
RELEASED							
MAY 05 2000							
FROM CONFIDENTIAL							
RECEIVED							
MAY 07 2000							

Remarks: Gas Burned

CONSERVATION DIVISION  
Wichita, Kansas



JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY Mid CONTINENT	TICKET # 233716	TICKET DATE 3-11-98
MBU ID / EMP # 11104 62573	EMPLOYEE NAME JOHN WOODROW	BDA / STATE KS	COUNTY SEWARD
LOCATION LIBERAL KS	COMPANY ANADARKO PETROLEUM	PSL DEPARTMENT CEMENT	ORIGINAL
TICKET AMOUNT 213 443-19	WELL TYPE 02	CUSTOMER REP / PHONE O.J. STUCK	
WELL LOCATION / LEASE / WELL # W LIBERAL HATCHER B-2	DEPARTMENT CEMENT	API / UWI #	
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

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
M FOX E0423			
M LONGWORTH G910			
S GRANT H4639			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
53554/76900	10						
50846/661	34						
52824/661	34						

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

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
3-11-98	0645	3-11-98	3-11-98	3-11-98
TIME	0645	0930	1445	1545

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar 7/8" 8 3/8	1	11
Float Shoe		
Guide Shoe 8 1/8	1	0
Centralizers 8 1/8	4	
Bottom Plug		W
Top Plug 5-LW 8 1/8	1	
Head 8 1/8	1	G
Packer 8 1/8		
Other BASKET 8 1/8	1	0

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23'	8 1/8	KB	1632	
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	
				KCC
				MAY 5
				CONFIDENTIAL
TOTAL		TOTAL		

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	320	P4 Miodon	B	3.8 CC 1/4" Flocle	3.22	11.1
	100	P4	B	2.8 CC 1/4" Flocle	1.32	14.8

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal - BBI \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ 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 # <b>233716</b>	TICKET DATE <b>3-11-78</b>
BDA / STATE <b>KS</b>	COUNTY <b>SEWARD</b>
PSL DEPARTMENT <b>CEMENT</b>	CUSTOMER REP / PHONE <b>OUTRICK</b>
API / UWI #	JOB PURPOSE CODE <b>010 - 878 SURFACE</b>

REGION <b>North America</b>	NWA/COUNTRY <b>MID CONTINENT</b>
MBU ID / EMP # <b>1704 12970</b>	EMPLOYEE NAME <b>John Woodrow</b>
LOCATION <b>15000 13</b>	COMPANY <b>AMARCO PETROLEUM</b>
TICKET AMOUNT	WELL TYPE <b>07</b>
WELL LOCATION <b>W. LIBERAL</b>	DEPARTMENT <b>CEMENT</b>
LEASE / WELL # <b>15000 13</b>	SEC / TWP / RNG <b>35 - 34S - 34W</b>

**ORIGINAL**

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>DEAN F. 1223</b>			
<b>WELLSITE SUPERVISOR</b>			
<b>S. CAMP 11137</b>			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1100							JOB READY
	0645							CALLED OUT FOR JOB
	0930							PUMP TRUCK ON LOCATION / HAVE PRE JOB SITE ASSESSMENT MEETING
								SPOT PUMP TRUCK / RIG UP IRON / RIG STILL DRILLING
	1100							BULK TRUCKS ON LOCATION / RIG THROUGH DRILLING 1620' OF 12 1/4" HOLE / ON BOTTOM CIRCULATING
	1130							TRIP OUT DRILL PIPE
	1300							START RUNNING 8 3/8 GSG + FLT EQUIP
	1420							GASING ON BOTTOM 1632' / Hook up 8 3/4 p/c + CIRCULATING IRON
	1430							START CIRCULATING WITH RIG PUMP / HOLD PRE JOB SAFETY MEETING
	1442							THROUGH CIRCULATING / Hook up to pump truck
								<u>JOB PROCEDURE</u>
	1445	8.0	18.5			1/233		START MIXING 320 SKS LEAD CMT AT 11.1 g/cal
	1523	6.0	23.5					START MIXING 100 SK TAIL CMT AT 14.8 g/cal
	1530					1/100		THROUGH MIXING CMT / SHUT DOWN
	1531	6.0						RELEASE PLUG / START DISPLACING
								HAVE TO BAL OUT / HAVE CMT RETURNS TO SURFACE
	1545		102			500/150		PLUG DOWN
								RELEASED
								MAY 05 2000
								FROM CONFIDENTIAL
								THANK YOU FOR CALLING HALLIBURTON

**KCC**  
**MAY 5**  
**CONFIDENTIAL**

**CIRCULATED 40 SKS 30 BALS CMT TO SURFACE**





REGION <b>North America</b>	NWA/COUNTRY <b>Mexico</b>	BDA / STATE <b>KS</b>	COUNTY <b>Seward</b>
MBU ID / EMP # <b>121101 63601</b>	EMPLOYEE NAME <b>D. McNamee</b>	PSL DEPARTMENT <b>Zonal Isolation</b>	
LOCATION <b>Liberal</b>	COMPANY <b>Arctic Petroleum</b>	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE <b>01</b>	API / UWI #	<b>ORIGINAL</b>
WELL LOCATION <b>Land</b>	DEPARTMENT <b>Zonal Isolation</b>	JOB PURPOSE CODE <b>035</b>	
LEASE / WELL # <b>Wichita B-2</b>	SEC / TWP / RNG <b>33S 34T 34R</b>		

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>B. Tambazon 11230</b>							
<b>M. Longworth 69510</b>							

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				A	C	Tbg	Csg	
	1630							Job Ready
	1115							Called for Job
	1530							on location Rig Keying Down D.P
	1700							Set up pump truck
	1730							D.P out of Hole & Laying Down RA + MH
	2120							Rig up Csg Crew
	2125							Start Running Csg & Start Equip
	2130							Csg on Bottom
	2130							Hook up PK & Circulating Iron
	2130							Start Circulating
	2130							Pls Rat & Moused Holes
	2215							Thru Circulating
	2216							Hook up to Pump truck
	2217	6	8	✓		9/400		Job Procedure 5 1/2 Long String
	2218	6	10	✓		400		Start Fresh water
	2220	6	8	✓		400		Start Super Flush
	2221	6	10	✓		350		Start Fresh water
	2223	6	83	✓		350/200		Start Scavenger Cement @ 10#/gal
	2239							Start Cement @ 14.4#/gal
	2241							then mixing cement
	2242							Shut Down / Release Plug
	2244	6	185.5	✓		9/100		Wash up pumps & fines
	2306	<del>3.5</del>				100/300		Start Displacement
	2313	3.5				200/100		Displacement Caught Cement
	2315					20/100		Slow Down Rate
	2316					20/100		Plug landed
	2317					200/100		Pressure up Csg
								Release float
								float held

**KCO**  
**MAY 5**  
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Thank You For Calling Halliburton  
Denny & Bryan & Crew

RELEASED  
MAY 05 2000

RECEIVED

FROM CONFIDENTIAL

MAY 07