

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

CONFIDENTIAL

Operator: License # 4549  
Name: Anadarko Petroleum Corporation  
Address: 1201 Lake Robbins Drive  
City/State/Zip: The Woodlands, TX 77380  
Purchaser: NA  
Operator Contact Person: Jim LaFavers  
Phone: (832) 636-3127  
Contractor: Name: Layne Christensen Canada LTD  
License: 32999

API No. 15 - 111-20426-00-00 Docket # 28186  
County: Lyon  
C NE Sec. 14 Twp. 16 S. R. 12  East  West  
1320 feet from S / (N) (circle one) Line of Section  
1320 feet from (E) / W (circle one) Line of Section

Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
\_\_\_\_\_ Oil  SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Adv. \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc) \_\_\_\_\_

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Ahlstrom Trust Well #: 1-14  
Field Name: Wildcat  
Producing Formation: Na  
Elevation: Ground: 1248' Kelly Bushing: 1256  
Total Depth: 3082' Plug Back Total Depth: 3082'  
Amount of Surface Pipe Set and Cemented at 244' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2265' Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr./SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. D-28186  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

8/11/03 8/20/03 10/25/03  
Spud Date or 8/20/03 10/25/03  
Recompletion Date Date Reached TD Completion Date or  
Recompletion Date

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit) ALT I WITHIN 4-9-02  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

KANSAS CORPORATION COMMISSION RECEIVED NOV 13 2003 WICHITA, KS CONSERVATION DIVISION

**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 of 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: Jim LaFavers  
Title: Env + Reg Advisor Date: 11/13/03  
Subscribed and sworn to before me this 12<sup>th</sup> day of November, 2003

Notary Public: Bertha Coston  
Date of Commission: 03-05  
MY COMMISSION EXPIRES DEC. 3, 2005

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

X

Operator Name: Anadarko Petroleum Corporation Lease Name: Ahlstrom Trust Well #: 1-14  
 Sec. 14 Twp. 16 S. R. 12  East  West County: Lyon

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)  
 List All E. Logs Run:

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Cherokee 1790  
 Mississippian 2203  
 Arbuckle 2905

CNL/GR CNL/GR Multi/Array/GR CBL

**CASING RECORD**  New  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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4	9-5/8	32.3	244'	Class "A"	120	see cmt rpt
Production	8-3/4	7	20	2886'	50/50 POZ	290	see cmt rpt

**ADDITIONAL CEMENTING / SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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

**TUBING RECORD** Size 2-7/8 Set At 2800 Packer At 2800 Liner Run  Yes  No

Date of First, Resumerd Production, SWD or Enhr. SI 10/25/03  
 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
 Estimated Production Per 24 Hours Oil Bbbs. Gas Mcf Water Bbbs. Gas-Oil Ratio Gravity

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) injection well D-28186  
 Production Interval 2893'-3082' Perf Liner

KCC

API # 15-111-20426-00-00

CONFIDENTIAL

BLUE STAR ACID SERVICE, INC.

PO Box 103 Eureka, Kansas 67045

Cementing Ticket and Invoice Number

ORIGINAL No 4826

Date	Customer Order No.	Sect.	Twp.	Range	Truck Called Out	On Location	Job Began	Job Completed
8-12-03		14	16S	12E	4:30 AM	7:00 AM	12:50 PM	1:30 PM
Owner	Contractor		Charge To					
Amadarko Petroleum Corp.	Gulick Delg. Co.		Amadarko Petroleum Corp.					
Mailing Address	City		State					
201 S. Taylor Suite 400	AMARILLO		TEXAS			79101		
Well No. & Form	Place	County		State				
Abilene Trust 1-14		LYON		KANSAS				
Depth of Well	Depth of Job	Casing	Size	Weight	Size of Hole	Amt. and Kind of Cement	Cement Left in casing by	Request Necessary
250'	247'	(New) (Used)	9 5/8"	32.30 #	12 1/4"	120 SKS		41' feet
Kind of Job	Drillpipe		Tubing		Rotary Cable		Truck No. #21	
SURFACE CASING	P.B.T.D. 206'							

Price Reference No.	# 1
Price of Job	425.00
Second Stage	
Mileage	60 = 135.00
Other Charges	
Total Charges	560.00

Remarks: Safety Meeting: Rig up to 9 5/8" casing. Pressure Test Lines to 1000 PSI. Break Circulation with 20 Bbl Fresh water. Mixed 120 SKS Regular Cement with 3% Cacta 1/4" Flacke 14.9" per sack (yield 1.19). Shut down. Release Plug. Displace with 16 25 Bbl Fresh water. Bump Plug to 300 PSI. Wait 2 Minutes. Release Pressure. Float Held. Shut casing in @ 0 PSI. Good Cement Returns to Surface = 8 Bbl Slurry = 38 SKS. Job Complete. Rig down.

Cementer: Kevin McCoy  
 Helper: Mike Justice

District: EUREKA State: KS

The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

Thank You

x R.M.N. Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL	
120 SKS	Regular Class 'A' Cement	7.75	930.00	
340 "	Cacta 3%	.35	119.00	
30 "	Flacke 1/4" per sack	1.00	30.00	
NOV 13 2003				
CONSERVATION DIVISION WICHITA, KS				
1	CAN Thread Lock Compound	30.00	30.00	
1	9 5/8" Guide Shoe	198.00	198.00	
1	9 5/8" INSERT Flapper Valve	130.00	130.00	
2	9 5/8" x 12 1/4" CENTRALIZERS	60.00	120.00	
1	9 5/8" Wooden Plug	50.00	50.00	
		120 SKS Handling & Dumping	.50	60.00
		5.64 TONS Mileage 60	.80	270.72
		Sub Total	2487.72	
Delivered by Truck No. #16		Discount		
Delivered from EUREKA		Sales Tax	5.8%	
Signature of operator <u>K.M.C.</u>		Total	2632.01	

API # 15-111-20426-00-00

# HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER <b>2618350</b>	TICKET DATE <b>08/18/03</b>
BDA / STATE <b>MC/KS</b>	COUNTY <b>LYON</b>
PSL DEPARTMENT <b>Cement</b>	<b>ORIGINAL</b>
CUSTOMER REP / PHONE <b>RAYMOND NEW</b>	
AP/LWI # <b>15-111-20426-00-00</b>	SAP BOMB NUMBER <b>7523</b>
HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL, KS</b>	

REGION <b>Central Operations</b>	MNA / COUNTRY <b>Mid Continent/USA</b>
MBU ID / EMPL # <b>MCLI 0110 / 198516</b>	H.E.S. EMPLOYEE NAME <b>JASON CLEMENS</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>ANADARKO PETROLEUM CORPORA</b>
TICKET AMOUNT <b>\$27,368.91</b>	WELL TYPE <b>02 Gas</b>
WELL LOCATION <b>ALLEN</b>	DEPARTMENT <b>ZI</b>
LEASE NAME <b>AHLSTROM TRUST</b>	SEC / TWP / RNG <b>14 - 16S - 12 ECM</b>

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS
Clemens, A 198516	17.0		
Archuleta, M 226383	17.0		
Harper, K 241985	13.0		

HES UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421269	500			
10251403	500			
10243558/10011591	300			

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

Date	Called Out	On Location	Job Started	Job Completed
	8/18/2003	8/18/2003	8/19/2003	8/19/2003
Time	1000	700	1708	2315

Type and Size	Qty	Make
Float Collar		HES
Float Shoe		
Centralizers	15	
Top Plug		
HEAD	1	
Limit clamp	1	
Weld-A	2	
Guide Shoe	1	
<b>MSC PACKER</b>	1	

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	N	20#	7 IN	0	2,885	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			8 3/4			Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/18	2.0	8/19	2.0	Cement Production Casing
8/19	13.0			
Total	15.0	Total	2.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 83	Cement Left in Pipe Reason	SHOE JOINT

Cement Data								
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq	Yield	Lbs/Gal	
1	25	50/50 POZ PP		5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL -	28.29	4.26	10.00	
2	70	50/50 POZ PP		5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL -	7.43	1.62	13.20	
3	25	50/50 POZ PP		5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL -	28.29	4.26	10.00	
4	165	50/50 POZ PP		5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL -	7.43	1.62	13.20	

Summary							
Circulating Breakdown	Displacement	MAXIMUM	Preflush:	BBI	Type:		
Lost Returns-Y	Lost Returns-N		Load & Bkdn:	Gal - BBI	Pad:Bbl -Gal		
Cmt Rtrn#Bbl	Actual TOC		Excess /Return	BBI	Calc.Disp Bbl		
Average	Frac. Gradient		Calc. TOC:		Actual Disp.	113	
Shut In: Instant	5 Min.	15 Min.	Treatment:	Gal - BBI	Disp:Bbl		
			Cement Slurry	BBI			
			Total Volume	BBI	#VALUE!		

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

CONFIDENTIAL

NOV 12 2003

ORIGINAL

CONFIDENTIAL

ADT # 15-111-20426-00-00

# HALLIBURTON JOB LOG

REGION <b>Central Operations</b>		NWA / COUNTRY <b>Mid Continent/USA</b>		TICKET # <b>2618350</b>	TICKET DATE <b>08/18/03</b>
MBU ID / EMPL # <b>MCLI D110 / 198516</b>		H.E.S. EMPLOYEE NAME <b>JASON CLEMENS</b>		BDA / STATE <b>MC/Ks</b>	COUNTY <b>LYON</b>
LOCATION <b>LIBERAL</b>		COMPANY <b>ANADARKO PETROLEUM CORPO</b>		PSL DEPARTMENT <b>Cement</b>	
TICKET AMOUNT <b>\$27,368.91</b>		WELL TYPE <b>02 Gas</b>		CUSTOMER REP / PHONE <b>RAYMOND NEW 806-672-7528</b>	
WELL LOCATION <b>ALLEN</b>		DEPARTMENT <b>ZI</b>		API/JWI # <b>15-111-20426-00-00</b>	
LEASE NAME <b>AHLSTROM TRUST</b>		Well No. <b>1-14</b>	SEC / TWP / RNG <b>14 - 16S - 12 ECM</b>	JOB PURPOSE CODE <b>Cement Production Casing</b>	
HES EMP NAME/EMP # (EXPOSURE HOURS)		HRS		HES EMP NAME/EMP # (EXPOSURE HOURS)	
HES EMP NAME/EMP # (EXPOSURE HOURS)		HRS		HES EMP NAME/EMP # (EXPOSURE HOURS)	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Clemens, A 198516	17				
Archuleta, M 226383	17				
Harper, K 241985	13				

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Press. (PSI)			Job Description / Remarks
				N2	CSG.	Tbg	
8-18-03	1900						ARRIVE ON LOCATION RIG STILL LOGGING RELEASE CREW
8-19-03	700						ARRIVE ON LOCATION RIG STILL TRIPPING IN HOLE W/ D.P. CONDITION HOLE START LAYING DOWN D.P. RIG UP CASERS PRE- JOB SAFETY MEETING START CASING D.V. PACKER TOOL @ 2265 FT. CASING ON BOTTOM CIRCULATE W/ RIG
	800						
	915						
	1230						
	1245						
	1300						
	1630						
	1708				3300		PRESSURE TEST
	1712	6.0	19.0		100		START LEAD 25 SKS @ 10#
	1716	6.0	20.0		100		START TAIL 70 SKS @ 13.2#
	1720						WASH LINES
	1723						DROP PLUG
	1723	5.0	20.0		25		START DISPLACEMENT W/ H2O
	1726	5.0	20.0		50		CONTINUE DISPLACEMENT W/ GEL
	1729	6.0	73.0		50		START DISPLACEMENT W/ MUD
	1740	2.0	93.0		0		SLOW RATE THREW MSC
	1744	2.0	98.0		125		CAUGHT CEMENT
	1753	2.0	113.0		1500		LAND PLUG & TEST CASING
	1800						DROP OPENING PLUG
	1822	1.0			900		OPEN MSC / CIRCULATE W/ RIG 4 HRS
	2235	6.0	19.0		100		START LEAD 25 SKS @ 10#
	2240	6.0	47.0		125		START TAIL 165 SKS @ 13.2#
	2247	6.0			100		END CEMENT
	2248						WASH LINES/ DROP CLOSING PLUG
	2251	6.0	92.0		50		START DISPLACEMENT W/ H2O
	2300	6.0	58.0		150		CAUGHT CEMENT
	2304	2.0	82.0		250		SLOW RATE
	2310	2.0	92.0		1200		LAND PLUG / CLOSE MSC