

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4549
Name: Anadarko Petroleum Corporation
Address: 1201 Lake Robbins Drive
City/State/Zip: The Woodlands, TX 77380
Purchaser: N/A-Water Supply Well
Operator Contact Person: Jim LaFevers
Phone: (832) 636-3127
Contractor: Name: Murfin Drilling Co.
License: 30606

Wellsite Geologist: _____
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/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. _____
_____ Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. 03-CONS-203-CUNI

<u>5/20/03</u>	<u>5/23/03</u>	<u>9/23/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 129-21698-00-00
County: Morton
NW SE SW NE Sec. 4 Twp. 33 S. R. 40 East West
2105 feet from S / **(N)** (circle one) Line of Section
1805 feet from **(E)** W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) **(NE)** SE NW SW
Lease Name: SERU Well #: 14-4
Field Name: Stirrup/Cimarron Valley
Producing Formation: Glorietta
Elevation: Ground: 3291.5 Kelly Bushing: _____
Total Depth: 1557 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 615 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
(Data must be collected from the Reserve Pit)
Chloride content 300 ppm Fluid volume 400 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.: _____

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WICHITA, KS

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 LaFevers
Title: Environmental & Regulatory Supervisor Date: 10/17/03
Subscribed and sworn to before me this 17 day of October
20 03.
Notary Public: James Gardner
Date Commission Expires: 10. August. 2006



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: 10-28-03
_____ Wireline Log Received
_____ Geologist Report Received
_____ UIC Distribution

Operator Name: Anadarko Petroleum Corporation Lease Name: SERU Well #: 14-4
 Sec. 4 Twp. 33 S. R. 40 East West County: Morton

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)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Glorietta 1157 2135

List All E. Logs Run:

CBL/GR/CCL
 CN/GR

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	# Sacjs Used	Type and Percent Additives
Surface	17-1/2	13-3/8	48	615	P+MC/P+	230/200	3%CC, 1%FWCA, 1/2PPSFC, 2%CC 1/4F
Production	12-1/4	8-5/8	24	1557	P+MC/P+	80/660	1%FWCA, 1/2%siFloccul, 5%HALAD1/4I

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)	
		Amount and Kind of Material Used	Depth
12	1202'-1256'	Acid: 2500 gal 7-1/2% FEHCL, 20M gals FW Gravel pack w/ 3800# 12/20 sd.	1202-1256
12	1152'-1202'	Acid: 8000 gal 7-1/2% MCA, 21M gals 2% KCL Acid: 2281 gals 7-1/2% Gravel pack w/ 14,400# 30/50 sd.	1152'-1202'

TUBING RECORD Size 2-3/8 Set At 1026 Packer At 1026 Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. 9/23/03 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify) water supply well 1152'-1256'

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 2456452	TICKET DATE 05/21/03
BDA / STATE MC/Ks	COUNTY MORTON
PSL DEPARTMENT Cement	CUSTOMER REP / PHONE KENNY PARKS 806-679-0164
SAP BOMB NUMBER 7521	Cement Surface Casing
HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS	

REGION Central Operations	NWA / COUNTRY Mid Continent/USA
MBU ID / EMPL # MCL10103 212723	H.E.S EMPLOYEE NAME JERRAKO EVANS
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPORA
TICKET AMOUNT \$8,656.64	WELL TYPE 06 Water
WELL LOCATION ROLLA, KS	DEPARTMENT CEMENT
LEASE NAME SERU	Well No. SEC / TWP / RNG 14-4 4 - 33S - 40W

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Evans, J 212723	5.5			
LEMIEUX, M 266575	5.5			
Ferguson, R 106154	5.5			
Burrows, R 273921	5.5			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10415642	110			
10219237	110			
10240236-10011590	30			
10243558-10011591	30			

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
	5/21/2003	5/21/2003	5/21/2003	5/21/2003
Time	0330	0730	1100	1300

Tools and Accessories

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe BASKET	1	HOWCO
Centralizers S-4	1	HOWCO
Top Plug PLASTIC	1	HOWCO
HEAD 13 3/8	1	HOWCO
Limit clamp		
Weld-A	2	HOWCO
Guide Shoe REG	1	HOWCO
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	48#	13 3/8'		0	628	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			17 1/2'			615	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		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/21	5.5	5/21	8.5	Cement Surface Casing
Total	5.5	Total	8.5	

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Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
Feet 45	Cement Left in Pipe Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	230	MIDCON C		3% CC - 1/2# FLOCELE - .1% FWCA	17.98	2.94	11.40
2	200	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Summary

Circulating Breakdown	Displacement	Preflush: BBI	Type:
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
Cmt Rtrn#Bbl	Lost Returns	Excess /Return BBI	Calc. Disp Bbl
Average	Actual TOC	Calc. TOC:	Actual Disp.
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI	Disp: Bbl
	5 Min. 15 Min.	Cement Slurry BBI	
		Total Volume BBI	
			168.0
			260.00

Frac Ring #1 | Frac Ring #2 | Frac Ring #3 | Frac Ring #4

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE Kenny Parks SIGNATURE

HALLIBURTON JOB LOG		TICKET # 2456452	TICKET DATE 05/21/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY MORTON
MBU ID / EMPL.# MCL10103 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPO	CUSTOMER REP / PHONE KENNY PARKS 806-679-0164	
TICKET AMOUNT \$8,656.64	WELL TYPE 06 Water	API/AMI #	
WELL LOCATION ROLLA, KS	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME SERU	Well No. 14-4	SEC 7 TWP / RING 4 - 33S - 40W	RES FACILITY (CLOSEST TO WELL S) LIBERAL, KS

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
Evans, J 212723	5.5						
LEMIEUX, M 266575	5.5						
Ferguson, R 106154	5.5						
Burrows, R 273921	5.5						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	0730							JOB READY
	0330							CALLED OUT FOR JOB
	0500							PRE-TRIP SAFETY MEETING
	0630							PUMP TRUCK ON LOCATION/ JOB SITE ASSESMENT
	0645							RIG UP TRUCKS
	0645							RIG CIRC ON BOTTOM
	0715							START PULLING DP
	0745							RIG UP CASING CREW
	1010							START RUNNING CASING & FE (13 3/8)
	1015							CASING ON BOTTOM (628 FT)
	1030							HOOK UP PC & CIRC IRON
								CIRC WITH RIG PUMP
								HOOK UP TO PUMP TRUCK
	1050					2700		TEST LINES
	1056	6.0	120.0			0-150		START MIXING LEAD CMT @ 11.4# (230 SKS MIDCON C)
	1117	6.0	48.0			150		START MIXING TAIL CMT @ 14.8# (200 SKS PP)
								THROUGH MIXING CMT/ DROP PLUG
	1133	6.0				0-250		START DISP WITH FRESH WATER
	1150	2.0	82.0			275		SLOW RATE
	1154	2.0	92.0			650		BUMP PLUG
								RELEASE FLOAT HELD
								RECEIVED KANSAS CORPORATION COMMISSION
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								CIRC CMT TO PIT
								CONSERVATION DIVISION WICHITA, KS
								THANKS FOR CALLING HALLIBURTON JERRAKO & CREW

HALLIBURTON JOB SUMMARY		SALES ORDER NUMBER 2459533	TICKET DATE 05/22/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY MORTON
MBU ID / EMPL # MCL10103 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPORA	CUSTOMER REP / PHONE KENNY PARKS 806-679-0164	
TICKET AMOUNT \$15,211.60	WELL TYPE 06 Water	API/WMI #	
WELL LOCATION ROLLA, KS	DEPARTMENT CEMENT	SAP BOMB NUMBER 7523	Cement Production Casing
LEASE NAME SERU	Well No. 14-4	SEC / TWP / RING 4 - 33S - 40W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS

HES EMP NAME / EMP # (EXPOSURE HOURS)		HRS	HRS		HRS		HRS	
Evans, J 212723	7.0	McClane, D 106322	5.0					
LEMIEUX, M 266575	7.0	Harper, K 241985	5.0					
BERUMER, E 267804	6.0							
Hartless, C 280598	7.0							

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H.E.S. UNIT #S / (R / T MILES)		R / T MILES	R / T MILES		R / T MILES		R / T MILES	
10415642	110							
10219237	110							
54225-10011272	30							
54029-10240245	30							

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
	5/22/2003	5/22/2003	5/22/2003	5/23/2003
Time	1130	1600	1930	0030

Tools and Accessories

Type and Size	Qty	Make
Float Collar TROPHY SEAL	1	HOWCO
Float Shoe BASKET	2	HOWCO
Centralizers SERIES 41	4	HOWCO
Top Plug PLASTIC	1	HOWCO
HEAD 8 5/8	1	HOWCO
Limit clamp 8 5/8	1	HOWCO
Weld-A 1	1	HOWCO
Guide Shoe REG	1	HOWCO
BTM PLUG		

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24#	8 5/8"		0	1,557	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4"			1,557	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

	Density	Lb/Gal
Mud Type		
Disp. Fluid		
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	
5/22	11.0	5/22	2.0	Cement Production Casing
Total	11.0	Total	2.0	

Ordered _____ Hydraulic Horsepower _____
 Avail. _____ Used _____
 Average Rates in BPM _____
 Treating _____ Disp. _____ Overall _____
 Cement Left in Pipe _____
 Feet **45** Reason **SHOE JOINT**

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	80	MIDCON C		1/2# FLOCELE - .1% FWCA	17.98	2.94	11.40
2	660	PREM PLUS		.5% HALAD-322 - 1/4# FLOCELE	6.30	1.34	14.80
3				WASH PUMPS AND LINES - DO NOT WASH UP ON TOP OF PLUG			
4							

Summary

Circulating _____	Displacement _____	Preflush: _____	BBI _____	Type: _____
Breakdown _____	MAXIMUM _____	Load & Bkdn: _____	Gal - BBI _____	Pad: Bbl - Gal _____
Lost Returns- _____	Lost Returns- _____	Excess /Return _____	BBI _____	Calc. Disp Bbl _____
Cmt Rtn#Bbl _____	Actual TOC _____	Calc. TOC: _____		Actual Disp. _____
Average _____	Frac. Gradient _____	Treatment: _____	Gal - BBI _____	Disp: Bbl _____
Shut In: Instant _____	5 Min. _____	Cement Slurry _____	BBI _____	
	15 Min. _____	Total Volume _____	BBI _____	
			296.00	

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

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____

 SIGNATURE

HALLIBURTON JOB LOG		TICKET # 2459533	TICKET DATE 05/22/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY MORTON
MBU ID / EMPL # MCL10103 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPO	CUSTOMER REP / PHONE KENNY PARKS 806-679-0164	
TICKET AMOUNT \$15,211.60	WELL TYPE 06 Water	API/WVI #	
WELL LOCATION ROLLA, KS	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Production Casing	
LEASE NAME SERU	Well No. 14-4	SEC / TWP / RING 4 - 33S - 40W	HES FACILITY (CLOSEST TO WELL #) LIBERAL, KS

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Evans, J 212723	7	Mclane, D 106322	5		
LEMIEUX, M 266575	7	Harper, K 241985	6		
BERUMER, E 267804	6				
Hartless, C 280598	7				

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	1600							JOB READY
	1130							CALLED OUT FOR JOB
	1230							PRE-TRIP SAFETY MEETING
	1500							PUMP TRUCK ON LOCATION/ JOB SITE ASSESMENT
	1515							RIG UP TRUCKS
								RIG PULLING DP
	1630							RIG UP CASING CREW
	1645							PRE-JOB SAFETY MEETING
	1700							START RUNNIG CASING & FE (8 5/8)
	1830							CASING ON BOTTOM (1567 FT)
	1835							HOOK UP PC & CIRC IRON
	1845							CIRC WITH RIG PUMP
								HOOK UP TO PUMP TRUCK
	1915	2.0	5.0					PLUG RAT & MOUSE HOLES
	1926				2000			TEST LINES
	1929	6.0	42.0		0-150			START MIXING LEAD CMT @11.4# (80 SKS MIDCON C)
	1937	6.0	61.0		200			START MIXING TAIL CMT @14.8# (660 SKS PP)
								61 BBLs INTO TAIL CMT /PUMP TRUCK DIED
								TRIED TO RESTART WOULD NOT
								HOOKED UP TO RIG PUMP / CLEANED CMT OUT OF HOLE
								WITH MUD
	2000							CALLED ANOTHER TRUCK/ CALLED FOR MORE CMT
	2100							OTHER PUMP TRUCKON LOCATION
								WAIT ON CMT TO ARRIVE
	0000							CMT ON LOCATION
	0002							HOOK UP TO PUMP TRUCK
	0004				0/3650			TEST LINES
	0009	6.0	42.0		0/110			START MIXING LEAD CMT @11.4# (80 SKS MIDCON C)
	0017	6.0	158.0		145			START MIXING TAIL CMT @14.8# (660 SKS PP)
	0045							THROUGH MIXING CMT
	0047							SHUT DOWN AND WASH UP PUMPS AND LINES
	0048							RELEASE TOP PLUG
	0051	6.0	96.0		0/60			START FRESH WATER DISPLACEMENT
	0054				60/130			DISPLACEMENT CAUGHT CMT
	0106	2.0			600/450			SLOW DOWN RATE

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