

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

CONFIDENTIAL

ORIGINAL

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

API No. 15 - 129-21694-00-00
County: Morton
S2 S2 NW Sec. 11 Twp. 33 S. R. 40 East West
2300.1 feet from S / (M) (circle one) Line of Section
1300.1 feet from E / (W) (circle one) Line of Section

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: SERU Well #: 5-3
Field Name: Stirrup
Producing Formation: Morrow
Elevation: Ground: 3278.9 Kelly Bushing: 3287.9
Total Depth: 5550' Plug Back Total Depth: 5505'
Amount of Surface Pipe Set and Cemented at 1597' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
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. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. 03-CONS-203-CUNI
8/8/03 8/15/03 8/28/03
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date
E2B131

Drilling Fluid Management Plan ALLIED 10 08 03
(Data must be collected from the Reserve Pit)
Chloride content 600 ppm Fluid volume 700 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: KANSAS CORPORATION COMMISSION
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: WICHITA, KS

KCC
OCT 15 2003
RELEASED
JAN 04 2005
FROM 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 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: 10/15/03
Subscribed and sworn to before me this 15th day of October
20 03
Notary Public: Bertha Costan

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

UIC Distribution

Date of Commission Expires: 8-05
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
DEC. 3, 2005

X

Operator Name: Anadarko Petroleum Corporation Lease Name: SERU Well #: 5-3
 Sec. 11 Twp. 30 S. 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)

List All E. Logs Run:

CNLD/GR
 Microlog/GR
 AI/GR/LC/SP

Name	Top	Datum
Chase	2299	980
Council Grove	2604	675
B/Heebner	3774	-495
Marmaton	4569	-1290
Morrow D	5414	-2135

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	# Sacs Used	Type and Percent Additives
Surface	12-1/4	8-5/8	22.81	1597	P+MC/P+	365/125	3%cc 1%FWCA1/2#FC2%CC, 1/4#FC
Production	7-7/8	5-1/2	15.5	5549	50/50 POZ	25/75/15	5%KCL.5%Halad1/2#FC

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
4	5430'-5455'	4000 gals 10% Acetic	5430-55

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8		5390'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
SI	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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

Production Interval 5430'-5455'

HALLIBURTON JOB SUMMARY

REGION Central Operations		NWA / COUNTRY Mid Continent/USA		SALES ORDER NUMBER 2601598	TICKET DATE 08/09/03
MBU ID / EMPL # MCLIO103 106304		H.E.S. EMPLOYEE NAME TYCE DAVIS		BDA / STATE MC/Ks	COUNTY MORTON
LOCATION LIBERAL KS		COMPANY ANADARKO PETROLEUM CORPORA		ORIGINAL	
TICKET AMOUNT \$10,723.37		WELL TYPE 02 Gas			
WELL LOCATION LAND NW ROLLA		DEPARTMENT CEMENT		SAP BOMB NUMBER 7521	Cement Surface Casing
LEASE NAME SERU		Well No. 5-3	SEC / TWP / RNG 11 - 33S - 40W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL KS	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Davis, T 106304	5.0			
Wille D 225409	5.0			
Tate, N 105953	5.0			
Schawo, N 222552	5.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10219237	100			
54225-10011276	20			
10011406-10011590	20			

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

Tools and Accessories

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe FILL TUBE	1	HOWCO
Centralizers S-4	4	HOWCO
Top Plug 5W	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp	1	HOWCO
Weld-A	1	HOWCO
Guide Shoe REG	1	HOWCO
BTM PLUG BASKET	1	HOWCO

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	In
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Date	Called Out	On Location	Job Started	Job Completed
	8/9/2003	8/9/2003	8/9/2003	8/10/2003
Time	1700	2030	2330	0030

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24#	8 5/8"		0	1,607	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4"				Shots/Ft.
Perforations							
Perforations							
Perforations							

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/9				Cement Surface Casing
RECEIVED				
KANSAS CORPORATION COMMISSION				
OCT 16 2003				
CONSERVATION DIVISION				
WICHITA, KS				
Total		Total		

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM Disp.	Overall
Feet 44	Cement Left in Pipe Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	365	MIDCON C		1/2# FLOCELE - 0.1% FWCA - 3%CC	17.98	2.94	11.40
2	125	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
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 Rtrn#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	
				221.0
				321.00

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
---------------------	---------------------	---------------------	---------------------

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

CONFIDENTIAL

RELEASED

JAN 0 4 2005

ORIGINAL

HALLIBURTON JOB LOG		FROM CONFIDENTIAL		TICKET # 2601598	TICKET DATE 08/09/03
REGION Central Operations		MWA / COUNTRY Mid Continent/USA		BDA / STATE MC/Ks	
MBU ID / EMPL # MCLIO103 106304		H.E.S EMPLOYEE NAME TYCE DAVIS		PSL DEPARTMENT Cement	
LOCATION LIBERAL KS		COMPANY ANADARKO PETROLEUM CORPO		CUSTOMER REP / PHONE KENNY PARKS 806-595-0980	
TICKET AMOUNT \$10,723.37		WELL TYPE 02 Gas		API/UWI #	
WELL LOCATION LAND NW ROLLA		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME SERU		Well No. 5-3		SEC / TWP / RNG 11 - 33S - 40W	
				HES 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
Davis, T 106304	5						
Wille D 225409	5						
Tate, N 105953	5						
Schawo, N 222552	5						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG	Tbg		
	1700							CALLED OUT FOR JOB
	2030							ON LOCATION RIG S.B.D.P.
	2100							OUT OF HOLE W/DP RIG UP CASERS
	2130							START CASING AND FE
	2250							CASING ON BOTTOM HOOK UP PC AND CIRC LINES
	2256							BREAK CIRC W/RIG
	2257							CIRC TO PIT
	2310							THRU CIRC HOOK LINES TO PT
	2315				1500			PSI TEST LINES
	2320	6.0	191.0		100			PUMP 365SX P+MC AT 11.4#
	2355	6.0	30.0		120			PUMP 125SX P+ AT 14.8#
	0001							SHUT DOWN DROP PLUG
	0003	2.5	100.0		30			PUMP DISPLACEMENT
	0022	2.0	100.0		280			90 BBLs IN SLOW RATE
	0024	2.0	100.0		300-900			LAND PLUG
	0025		100.0		900-0			RELEASE FLOAT ----- HELD
	0030							JOB OVER

RECEIVED
 KANSAS CORPORATION COMMISSION
 OCT 1 6 2003
 CONSERVATION DIVISION
 WICHITA, KS

KCC
 OCT 15 2002
 CONFIDENTIAL

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 2616236	TICKET DATE 08/16/03
BDA / STATE MC/Ks	COUNTY MORTON
PSL DEPARTMENT Cement	ORIGINAL
CUSTOMER REP / PHONE STEVE BARTEL	
API#	SAP BOMB NUMBER 7523
HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS	

REGION Central Operations	MNA / COUNTRY Mid Continent/USA
NRUID / EMPL # MCL10104 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORP
TICKET AMOUNT \$7,190.92	WELL TYPE 02 Gas
WELL LOCATION ROLLA,KS	DEPARTMENT CEMENT
LEASE NAME SERU	Well No. 5-3
	SEC / TWP / RNG 11-33S-40W

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Evans, J 212723	9.0			
King, K 105942	9.0			
Burrows, R 273921	9.0			

H.E.S. UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10415642	100			
10011407-10011306	100			
10011748-10280731	20			

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
	8/16/2003	8/16/2003	8/17/2003	8/17/2003
Time	1900	2300	0600	0800

Tools and Accessories

Type and Size	Qty	Make
Float Collar SS II	1	HOWCO
Float Shoe SS II	1	HOWCO
Centralizers S-4	16	HOWCO
Top Plug ALUM	1	HOWCO
HEAD 5 1/2	1	HOWCO
Limit clamp 5 1/2	1	HOWCO
Weld-A	1	HOWCO
Guide Shoe BASKET	1	HOWCO
BTM PLUG BAKER PC	1	BAKER

Well Data

Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	15.5	5 1/2		0	5,560	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8			5,550	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
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	In
Perfpac Balls	Qty.	

RECEIVED
OCT 16 2003
CONSERVATION DIVISION
WICHITA, KS

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/16	1.0	8/16	3.0	Cement Production Casing
8/17	8.0	8/17	10.0	
Total	9.0	Total	13.0	

KCC
OCT 15 2003
CONFIDENTIAL

Ordered _____ Hydraulic Horsepower _____
 Treating _____ Average Rates in BPM _____
 Feet 45 _____ 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		1/4# FLOCELE	33.84	5.22	10.00
2	75	50/50 POZ		6% KCL -5% EA-2-6# GILSONITE- .5% HALAD-322 - 1/2# FLOCELE - .5# DE	7.43	1.62	13.20
3	25	50/50 POZ		1/4# FLOCELE	7.43	1.62	13.20
4							

Summary

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

52.0
183.00

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

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE *Steve Bartel*
 SIGNATURE

ORIGINAL

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 2624043	REGION Central Operations
BDA / STATE MC/Ks	NWA / COUNTRY Mid Contitnent/USA
PSL DEPARTMENT Cement	H.E.S. EMPLOYEE NAME Danny McLane
CUSTOMER REP / PHONE 1-620-629-5136	COMPANY ANADARKO PETROLEUM CORPORA
API/LMI # 15-129-21694	WELL TYPE 01 Oil
SAP BOMB NUMBER 14099	DEPARTMENT Cement
HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks	WELL LOCATION Rolla,Ks

MIBL ID / EMPL # MCL10101 106322	LEASE NAME SERU
LOCATION LIBERAL	Well No. 5-3
TICKET AMOUNT \$8,110.89	SEC / TWP / RNG 11 - 33S - 40W

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HR	HR	HR
Mclane, D 106322	5.0			
Lemieux, M 266575	5.0			
Berumen, E 267804	5.0			

H.E.S. UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10547695	100			
10251401	100			
10244148 10011277	20			

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
	8/23/2003	8/23/2003	8/23/2003	8/23/2003
Time	0430	0700	1030	1130

Tools and Accessories

Type and Size	Qty	Make
Float Collar		Howco
Float Shoe		Howco
Centralizers		Howco
Top Plug		Howco
HEAD		Howco
Limit clamp		Howco
Weld-A		Howco
Guide Shoe		Howco
BTM PLUG		Howco

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		15.5	5 1/2		0		
Liner							
Liner							
Tubing			2 7/8				
Drill Pipe							
Open Hole			7 7/8				
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
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	In
Perfpac Balls		
Other		
Other		
Other		
Other		

KANSAS CORPORATION COMMISSION
 CONSERVATION DIVISION
 WICHITA, KS
 OCT 15 2003

Hours On Location

Date	Hours
8/23	5.0
Total	5.0

Operating Hours

Date	Hours
8/23	1.0
Total	1.0

Description of Job
 Recement
 KCC
 OCT 15 2003
 CONFIDENTIAL

Ordered _____ Hydraulic Horsepower _____
 Avail. _____ Used _____
 Treating _____ Average Rates in BPM _____
 Disp. _____ Overall _____
 Feet _____ 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 H	Bulk	10% SALT - .6% HALAD-322 - 1/4# FLOCELE	41.22	6.07	10.00
2	175	50/50 POZ H	Bulk	10% SALT - .6% HALAD-322 - 1/4# FLOCELE	5.69	1.26	14.40
3							
4							

Summary

Circulating Breakdown	Displacement	Preflush: BBI	10.00	Type: fresh water
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. 16
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Disp:Bbl
	5 Min. 15 Min.	Cement Slurry BBI	27, 39.3	
		Total Volume BBI	#VALUE!	

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

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____

Kenny Parks
 SIGNATURE