

RELEASED

FROM

CONFIDENTIAL

Form ACO-1
September 1999
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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 LaFavers
Phone: (832) 636-3127
Contractor: Name: Murfin Drilling Co.
License: 30606
Wellsite Geologist: _____

KCC

OCT 15 2003

CONFIDENTIAL

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. E28131
 Other (SWD or Enhr.?) _____ Docket No. 03-CONS-203-CUNI

7/30/03 8/7/03 8/22/03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 129-21697-00-00
County: Morton
_____ SE _____ NE _____ SE Sec. 3 Twp. 33 S. R. 40 East West
1805 feet from (S) N (circle one) Line of Section
15 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 #: 11-2
Field Name: Stirrup
Producing Formation: Morrow
Elevation: Ground: 3252.1 Kelly Bushing: 3261.1
Total Depth: 5360' Plug Back Total Depth: 5302'
Amount of Surface Pipe Set and Cemented at 1550' 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.

KANSAS CORPORATION COMMISSION
10-16-03
OCT 16 2003
RECEIVED

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) *See 1 con*
Chloride content 600 ppm Fluid volume 700 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.: _____

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: Environmental & Regulatory Supervisor Date: 10/15/03

Subscribed and sworn to before me this 15th day of October, 2003.

Notary Public: Bertha Ggston
Date of Commission Expires: DEC. 3, 2005
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: SERU Well #: 11-2
 Sec. 3 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)

List All E. Logs Run:

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

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Chase	2240	1022
Council Grove	2540	722
B/Heebner	3710	-448
Marmaton	4471	-1209
Morrow D	5217	-1955

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	8-5/8	22.81	1550	P+MC/P+	420/125	3%cc 1%FWCA1/2#FC2%CC,1#FC
Production	7-7/8	5-1/2	15.5	5360	50/50 POZ	25/85/25	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	5177'-5219'	4000 gals 10% Acetic	5177-5219

TUBING RECORD Size 2-7/8 Set At 5114' Packer At 5114' Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. SL 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 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 5177-5219

HALLIBURTON JOB SUMMARY

REGION Central Operations		NWA / COUNTRY Mid Continent/USA		BDA / STATE MC/Ks		INVEST DATE 08/07/03	
MBU ID / EMPL # MCLI 0110 / 217398		H.E.S. EMPLOYEE NAME MICKEY COCHRAN		PSL DEPARTMENT Cement		COUNTY MORTON	
LOCATION LIBERAL		COMPANY ANADARKO PETROLEUM CORPORA		CUSTOMER REP / PHONE KENNY PARKS		1-806-595-0979	
TICKET AMOUNT \$7,074.34		WELL TYPE 01 Oil		API/UMI # 15-129-21697			
WELL LOCATION ROLLA, KS		DEPARTMENT ZI		SAP BOMB NUMBER 7523		Cement Production Casing	
LEASE NAME SERU		Well No. 11-2		SEC / TWP / RNG 3 - 33S - 40W		HES FACILITY (CLOSEST TO WELL SITE) HUGOTON, KS	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Cochran, M 217398	10.0			
King, K 105942	10.0			
Archuleta, M 226383	9.0			

KCC

OCT 15 2003

CONFIDENTIAL

ORIGINAL

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421269	100			
10251403	100			
10243558/10011277	20			

KANSAS CORPORATION COMMISSION

OCT 16 2003

CONFIDENTIAL

RELEASED FROM

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

Date	Called On	On Location	Job Started	Job Completed
	8/6/2003	8/7/2003	8/7/2003	8/7/2003
Time	1030	0100	0800	1030

Type and Size	Qty	Make
Float Collar	1	H
Float Shoe	1	O
Centralizers	12	W
Top Plug	1	C
HEAD	1	H O
Limit clamp	1	O
Weld-A	1	W
Guide Shoe		C
BTM PLUG		O

Well Data		New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	15.5	5 1/2		0	5,363		
Liner								
Liner								
Tubing								
Drill Pipe								
Open Hole				7 7/8				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	
8/7	10.0	8/7	1.0	Cement Production Casing
Total	10.0	Total	1.0	

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

Cement Data				Additives			W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Bulk/Sks						
1	25	50/50 POZ H		1/4# FLOCELE			33.84	5.22	10.00
2	85	50/50 POZ H		5% KCL -5% EA-2-6# GILSONITE- 0.5% HALAD-322 - 1/2# FLOCELE - 0.5# D			7.43	1.62	13.20
3	25	50/50 POZ H		1/4# FLOCELE			7.43	1.62	13.20
4									

Summary			
Circulating	Displacement	Preflush:	BBI
Breakdown	MAXIMUM	Load & Bkdn:	Gal - BBI
Lost Returns-Y	Lost Returns-N	Excess /Return	BBI
Cmt Rtm#Bbl	Actual TOC	Calc. TOC:	
Average	Frac. Gradient	Treatment:	Gal - BBI
Shut In: Instant	5 Min. _____ 15 Min. _____	Cement Slurry	BBI
		Total Volume	BBI
			186.50

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

ORIGINAL

CONFIDENTIAL

HALLIBURTON JOB LOG		TICKET # 2599317	TICKET DATE 08/07/03
REGION Central Operations		NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks
MBU ID / EMPL # MCLI 0110 / 217398		H.E.S EMPLOYEE NAME MICKEY COCHRAN	COUNTY MORTON
LOCATION LIBERAL		PSL DEPARTMENT Cement	CUSTOMER REP / PHONE 1-806-595-0979
TICKET AMOUNT \$7,074.34		WELL TYPE 01 Oil	API/UWI # 15-129-21697
WELL LOCATION ROLLA, KS		DEPARTMENT ZI	JOB PURPOSE CODE Cement Production Casing
LEASE NAME SERU	Well No. 11-2	SEC / TWP / RNG 3 - 33S - 40W	HES FACILITY (CLOSEST TO WELL): HUGOTON, 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
Cochran, M 217398	10						
King, K 105942	10						
Archuleta, M 226383	9						

RELEASED FROM CONFIDENTIAL

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description (Remarks)
				N2	CSG.	Tbg	COMMISSION	
8-7	0230							TIME JOB READY
8-6	2230							CALLED FOR JOB
8-7	000							PRETRIP SAFTY MEETING
	0100							ARRIVE ON LOCATION
	0105							PREJOB SAFTY MEETING W/ HALLIBURTON CREW
	0110							SPOT EQUIPMENT
	0115							RIG UP TRUCKS
	0430							START CASING
	0730							CASING ON BOTTOM & CIRCULATING W/ RIG PUMP
	0813	2.0	3.0					PLUG RAT HOLE
	0814							START CMT 12 SKS @ 13.2#
	0817	2.0	3.0					END CMT
	0819							PLUG MOUSE HOLE
	0825					4200		START CMT 12 SKS @ 13.2#
	0826	4.0	5.0			300		END CMT
	0829	6.0	23.0			350		PLUG MOUSE HOLE
	0833	6.0	24.0			250		START CMT 12 SKS @ 13.2#
	0840							END CMT
	0843							SHUT DOWN & WASH PUMP & LINES
	0843	6.0	127.0			50		DROP PLUG
	0900	6.0	62.0			110		START DISP. W/ KCL
	0904	2.0	117.0			300		CAUGHT CMT
	0908	2.0	127.0			1100		SLOW RATE
	0909							BUMP PLUG
	0909					2000		RELEASE FLOATS HELD
	0910							PRESSURE TEST CASING
	0911							RELEASE
						420		END JOB
								PRESSURE BEFORE PLUG LANDED
								THANK YOU FOR CALLING HALLIBURTON
								MICKEY & CREW

KCC
OCT 15 2003
CONFIDENTIAL

