

RELEASED

FROM

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

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 **KCC**
Operator Contact Person: Jim LaFevers **OCT 15 2003**
Phone: (832) 636-3127
Contractor: Name: Murfin Drilling Co. **CONFIDENTIAL**
License: 30606

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/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

7/12/03 7/20/03 7/28/03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 129-21699-00-00
County: Morton
NE NE NW _____ Sec. 4 Twp. 33 S. R. 40 East West
215 feet from S / (circle one) Line of Section
2163.1 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: SERU Well #: 13-1
Field Name: Stirrup

Producing Formation: Morrow
Elevation: Ground: 3341' Kelly Bushing: 3352'
Total Depth: 5420' Plug Back Total Depth: 5350'
Amount of Surface Pipe Set and Cemented at 1585' 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) *See 1 well*
Chloride content 600 ppm Fluid volume 700 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____

Operator Name: RECEIVED
Lease Name: KANSAS CORPORATION COMMISSION License No.: _____
Quarter _____ Sec. 10-16-03 S. R. _____ East West
County: _____ Docket No.: _____
**CONSERVATION DIVISION
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: 10/15/03
Subscribed and sworn to before me this 15th day of October
20 03

Notary Public: Bertha Boston
Date Commission Expires: DEC. 3, 2005
BERTHA BOSTON
NOTARY PUBLIC, STATE OF TEXAS
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

Operator Name: Anadarko Petroleum Corporation Lease Name: SERU Well #: 13-1
 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2298	1043
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Council Grove	2587	754
List All E. Logs Run:		B/Heebner	3747	-406
CNLD/GR		Marmaton	4521	-1180
Microlog/GR		Morrow D	5306	-1965
AI/GR/LC/SP				

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	12-1/4	8-5/8	22.81	1585	P+MC/P+	420/125	3%cc 1%FWCA1/2#FC2%CC,1#MFC
Production	7-7/8	5-1/2	15.5	5420	50/50 POZ	25/75/25	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 <i>(Amount and Kind of Material Used)</i>	Depth
4	5262'-5290'	4000 gals 10% Acetic	5262-90'

TUBING RECORD	Size <u>2-7/8</u>	Set At	Packer At <u>5190'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>SI</u>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
Disposition of Gas	METHOD OF COMPLETION		Production Interval	
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	<input checked="" type="checkbox"/> Other <i>(Specify)</i> <u>Injection Well</u> <u>5262-5290</u>		

HALLIBURTON JOB SUMMARY

REGION Central Operations	NWA / COUNTRY Mid Continent/USA	SALES ORDER NUMBER 2552233	TICKET DATE 07/14/03
MBU ID / EMPL # MCLI0101 217398	H.E.S. EMPLOYEE NAME MICKEY COCHRAN	BDA / STATE MC/Ks	COUNTY MORTON
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPORA	PSL DEPARTMENT Cement	CUSTOMER REP / PHONE KENNY PARKS 806-595-0980
TICKET AMOUNT \$10,303.72	WELL TYPE 01 Oil	API/LWI #	RELEASED
WELL LOCATION ROLLA, KS	DEPARTMENT ZI	SAP BOMB NUMBER 7521	Cement Surface Casing
LEASE NAME SERU	Well No. 13-1	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	5.0			
Lemieux, M 266575	5.0			
Ferguson, R 106154	5.0			
Burrows, R 273921	5.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
420995	100			
10251401	100			
54029/10011590	20			
10240236/10240245	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
	7/14/2003	7/14/2003	7/14/2003	7/14/2003
Time	0:00	03:30	0554	0830

Tools and Accessories

Type and Size	Qty	Make
INSERT	1	H
Float Shoe		O
Centralizers	4	W
Top Plug	1	C
HEAD	1	O
Limit clamp		
Weld-A		
Guide Shoe	1	
BTM PLUG		

Well Data

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	24.0	8 5/8		0	1,602	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole		12 1/4				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	In
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Hours On Location

Date	Hours
7/14	5.0
Total	5.0

Operating Hours

Date	Hours
7/14	1.5
Total	1.5

Description of Job
Cement Surface Casing

Hydraulic Horsepower

Ordered	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	420	MIDCON C		3% CC - 1/2# FLOCELE -.1% FWCA	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	5.00	Type: FRESH
Breakdown MAXIMUM	Load & Bkdn: Gal - BBI		Pad: Bbl - Gal
Lost Returns - 1	Excess /Return BBI		Calc. Disp Bbl
Cmt Rtrn#Bbl	Calc. TOC:		Actual Disp. 99
Average Frac. Gradient	Treatment: Gal - BBI		Disp: Bbl
Shut In: Instant 5 Min. 15 Min.	Cement Slurry BBI	250.0	
	Total Volume BBI	354.00	

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

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

HALLIBURTON JOB SUMMARY

2566049

07/21/03

REGION Central Operations	NWA / COUNTRY Mi. ontintment/USA	BDA / STATE MC/Ks	COUNTY MORTON
WELL ID / EMPL # MCLI 0110 / 198516	H.E.S. EMPLOYEE NAME JASON CLEMENS	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPORA	CUSTOMER REP / PHONE STEVE BARTEL	806-595-0979
TICKET AMOUNT \$6,392.74	WELL TYPE 01 Oil	API/UWI #	
WELL LOCATION ROLLA	DEPARTMENT ZI	SAP BOMB NUMBER 7523	Cement Production Casing
LEASE NAME SERU	Well No. 13-1	SEC / TWP / RNG 3 - 33S - 40W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Clemens, A 198516	6.0			
Oliphant, C 243055	6.0			
Harper, K 241985	6.0			

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H.E.S. UNIT #S / (R/T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
421269	100			
10251403	100			
10011406/10011277	20			

KOC
OCT 15 2003

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
	7/20/2003	7/21/2003	7/21/2003	7/21/2003
Time	2300	300	800	900

Tools and Accessories

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

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	N	15.5	5 1/2		0	5,432	
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	Qty.	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

Hours On Location

Date	Hours
7/21	6.0
Total	6.0

Operating Hours

Date	Hours
7/21	1.0
Total	1.0

Description of Job
Cement Production Casing

RELEASED FROM CONFIDENTIAL

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

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	50/50 POZ PP		1/4# FLOCELE	28.29	4.26	10.00
2	75	50/50 POZ PP		5% KCL - .5% HALAD-322 - 1/4# FLOCELE - 5% CALSEAL -	7.43	1.62	13.20
3	25	50/50 POZ PP		1/4# FLOCELE	28.29	4.26	10.00
4							

Summary

Circulating	Displacement	Preflush:	BBI	5.00	Type:	FRESH
Breakdown	MAXIMUM	Load & Bkdn:	Gal - BBI		Pad:Bbl -Gal	
Lost Returns-y	Lost Returns-n	Excess /Return	BBI		Calc.Disp Bbl	
Cmt Rtn#Bbl	Actual TOC	Calc. TOC:			Actual Disp.	128
Average	Frac. Gradient	Treatment:	Gal - BBI		Disp:Bbl	
Shut In: Instant	5 Min.	Cement Slurry	BBI	59.0		
	15 Min.	Total Volume	BBI	192.00		

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

