

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-Water Supply Well
Operator Contact Person: Jim LaFevers
Phone: (832) 636-3127
Contractor: Name: Murfin Drilling Co.
License: 30606
Wellsite Geologist: 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. _____
 Other (SWD or Enhr.?) _____ Docket No. 03-CONS-203-CUNI

7/23/03	7/25/03	8/12/03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 129-21693 0000
County: Morton
SW SE SW NW Sec. 11 Twp. 33 S. R. 40 East West
2325 feet from S / N (circle one) Line of Section
680 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 #: 5-2

Field Name: Stirrup
Producing Formation: Glorietta
Elevation: Ground: 3276.8 Kelly Bushing: _____
Total Depth: 1585 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 610 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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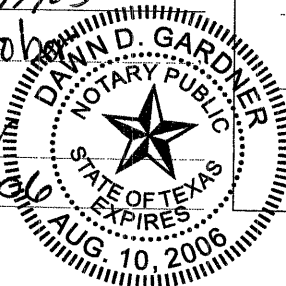
OCT 20 2003

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: 10/12/03
Subscribed and sworn to before me this 17 day of October 20 03
Notary Public: *Daunel Gardner*
Date Commission Expires: 10 August 2006



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 #: 5-2
 Sec. 11 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	Glorietta	1175 2102
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
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	610	P+MC/P+	230/200	3%CC, 1%FWCA, 1/2PPSFC, 2%CC, 1/4F
Production	12-1/4	8-5/8	24	1585	P+MC/P+	80/660	1%FWCA, 1/2B&F Floccle, 5%HALAD 1/4I

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 <i>(Amount and Kind of Material Used)</i>	Depth
12	1164'-1304'	Frac w/ 20,000 gals 7-1/2% MCA/73,000 gals gelled water Gravel pack w/ 9000# 20/40 sd.	1164'-1304'

TUBING RECORD	Size <u>2-3/8</u>	Set At	Packer At <u>1047</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>8/12/03</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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
<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 (Specify) <u>water supply well</u>	<u>1164'-1304'</u>

ALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 2570347	TICKET DATE 07/24/03
BDA / STATE MC/Ks	COUNTY MORTON
PSL DEPARTMENT Cement	CUSTOMER REP / PHONE 806-595-0980
API/UWI #	SAP BOMB NUMBER 7521
HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks	

REGION Central Operations	NWA / COUNTRY Mid Contintnt/USA
WBU ID / ENPL # MCL10101	H.E.S. EMPLOYEE NAME Danny McLane
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPORA
TICKET AMOUNT \$9,284.87	WELL TYPE 06 Water
WELL LOCATION Rolla,Ks	DEPARTMENT Cement
LEASE NAME SERU	Well No. 5-2
	SEC / TWP / RNG 11 - 33S - 40W

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ORIGINAL

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
McLane, D 106322	7.0	Schawo, N 222552	8.0
Lernieux, M 266575	7.0		
Howard, A.J. 285427	7.0		
Burrows, R 273921	8.0		

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H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES
10415641	100		
10251401	100		
54029 10011590	20		
54225 10011272	20		

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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
	7/24/2003	7/24/2003	7/24/2003	7/24/2003
Time	0130	0400	0830	1100

Tools and Accessories

Type and Size	Qty	Make
Insert 13 3/8	1	H
Float Shoe		
Centralizers 13 3/8	3	O
Top Plug 13 3/8	1	
HEAD 13 3/8	1	W
Limit clamp		
Weld-A	2	C
Guide Shoe 13 3/8	1	
Basket 13 3/8	1	O

Well Data

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing New	48#	13 3/8'		0	624.78	
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			17 1/2'			
Perforations						Shots/Ft.
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		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7/24	7.0	7/24	1.0	Cement Surface Casing
Total	7.0	Total	1.0	

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Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
	Disp.	
	Cement Left in Pipe	
Feet 44.75	Reason	SHOE JOINT

Cement Data

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

Summary

Circulating Breakdown	Displacement	Preflush: BBI	5.00	Type: fresh water
Lost Returns-)	MAXIMUM	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
Cmt Rtrn#Bbl	Lost Returns-)	Excess /Return BBI		Calc.Disp Bbl 91
Average	Actual TOC	Calc. TOC:		Actual Disp. 91
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Disp:Bbl
	5 Min. _____ 15 Min. _____	Cement Slurry BBI	120.5, 44	
		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 _____

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ORIGINAL

HALLIBURTON JOB LOG		TICKET # 2570347	TICKET DATE 07/24/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY MORTON
MBU ID / EMPL # MCLI0101 106322	H.E.S EMPLOYEE NAME Danny McLane	PSL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPO	CUSTOMER REP / PHONE KENNY PARKS 806-595-0980	
TICKET AMOUNT \$9,284.87	WELL TYPE 06 Water	API/UVI #	
WELL LOCATION Rolla,Ks	DEPARTMENT Cement	JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME SERU	Well No. 5-2	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
McLane, D 106322	7	Schawo, N 222552	6				
Lemieux, M 266575	7						
Howard, A.J. 285427	7						
Burrows, R 273921	6						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	0130							Called for job
	0200							Hold pre trip safety meeting
	0400							On location do job site assessment. Rig running drill pipe in hole for wiper trip.
	0410							Bring pump truck on location. Hold safety meeting
								Set up pump truck
	0430							Rig on bottom circulating hole
	0500							Rig through circulating and tripping out drill pipe
	0600							Drill pipe out of hole
	0611							Hold safety meeting and rig up casing crew
	0700							Start running 13 3/8 casing and float equipment
	0803							Casing on bottom
	0807							Hook up plug container and circulating hose
	0811							Start rig pump to break out fill tube
	0814							Got mud returns and rig down casing crew
	0817							Hold safety meeting with rig crew
	0822							Rig through circulating
	0825							Hook up to Halliburton
								Job procedure for 13 3/8 surface
	0828					0/1600		Pressure test lines
	0830	4.5				0/35		Start fresh water ahead
	0832							Shut down cement hose packed off. Give to rig to cir.
	0923							Truck ready hook back up to go down hole
	0926	6.0	120.5			0/40		Start 230 Sks of lead cement @ 11.4 #/gal
	0949	5.5	44.0			75		Start 200 Sks of tail cement @ 14.8 #/gal
	0958							Through mixing cement
	0959							Shut down and release top plug
	1000	5.5	91.0			0/20		Start fresh water displacement
	1014					40/110		Displacement caught cement
	1017	2.0				150/100		Slow down rate
	1022					150/650		Plug landed and pressure up casing
	1023					650/0		Release pressure and float held
								Circulated 65 Bbls to pit
								Thank you for calling Halliburton
								Danny and Crew

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WICHITA, KS

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 2574052	TICKET DATE 07/25/03
BDA / STATE MC/Ks	COUNTY MORTON
PSL DEPARTMENT Cement	CUSTOMER REP / PHONE KENNY PARKS 806-679-0164
SAP BOMB NUMBER 7523	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL, KS

REGION Central Operations	INNA / COUNTRY Mid Continent/USA
NBU ID / EMPL # MCL10104 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORPORA
TICKET AMOUNT \$16,036.10	WELL TYPE 06 Water
WELL LOCATION ROLLA, KS	DEPARTMENT CEMENT
LEASE NAME SERU	Well No. 5-2
	SEC / TWP / RNG 11 - 33S - 40W

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES	HRS	HRS
Evans, J 212723	4.5	Howard, A		
King, K 106942	4.5			
Oliphant, C 243055	4.5			
Slater, J 106095	4.5			

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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	108			
54219-78299	108			
10244148-10286731	30			
54225-10011272	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
	7/25/2003	7/25/2003	7/25/2003	7/25/2003
Time	1230	1630	1945	2115

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

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	23#	8 5/8"		0	1,582	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4"			1,585	Shots/Ft.
Perforations							
Perforations							

Materials			
Mud Fluid	Density		Lb/Gal
Disp. Type	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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7/25	4.5	7/25	6.5	Cement Production Casing
Total	4.5	Total	6.5	

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Ordered	Hydraulic Horsepower	Used
	Avail.	
Treating	Average Rates in BPM	Overall
	Disp.	
Feet 45	Cement Left in Pipe	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 Rtrn#Bbl	Actual TOC	Calc. TOC:		Actual Disp.	98
Average	Frac. Gradient	Treatment:	Gal - BBI	Disp: Bbl	
Shut In: Instant	5 Min. 15 Min.	Cement Slurry	BBI		
		Total Volume	BBI		
					298.00

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
<p>THE INFORMATION STATED HEREIN IS CORRECT</p> <p>CUSTOMER REPRESENTATIVE _____ SIGNATURE _____</p>			

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ORIGINAL

HALLIBURTON JOB LOG		CONFIDENTIAL	TICKET # 2574052	TICKET DATE 07/25/03
REGION Central Operations	NWA / COUNTRY Mid Contitnent/USA	BDA / STATE MC/Ks	COUNTY MORTON	
MBU ID / EMPL # MCL10104 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 \$16,036.10	WELL TYPE 06 Water	API/LWI #		
WELL LOCATION ROLLA, KS	DEPARTMENT CEMENT	JOB PURPOSE CODE Cement Production Casing		
LEASE NAME SERU	Well No. 5-2	SEC / TWP / RING 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
Evans, J 212723	4.5	Howard, A					
King, K 105942	4.5						
Oliphant, C 243055	4.5						
Slater, J 106095	4.5						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	1630							JOB READY
	1230							CALLED OUT FOR JOB
	1430							PRE-TRIP SAFETY MEETING
	1630							PUMP TRUCK ON LOCATION/ JOB SITE ASSESMENT
	1645							RIG UP TRUCKS
								RIG PULLING DP
	1715							RIG UP CASING CREW
	1730							PRE-JOB SAFETY MEETING
	1745							START RUNNING CASING & FE (8 5/8)
	1850							CASING ON BOTTOM (1582 FT)
	1900							HOOK UP PC & CIRC IRON
	1905							CIRC WITH RIG PUMP
								HOOK UP TO PT
	1945	2.0	5.0					PLUG RAT & MOUSE HOLES
	1948					1500		TEST LINES
	1950	6.0	40.0			0-125		START MIXING LEAD CMT @11.6#(80 SKS MIDCON C)
	1957	6.0	158.0			175		START MIXING TAIL CMT @14.8# (660 SKS PP)
								THROUGH MIXING / WASH PUMP & LINES
								DROP PLUG
	2031	6.0				0-600		START DISP WITH FRESH WATER
	2048	2.0	88.0			575		SLOW RATE
	2053	2.0	98.0			1025		BUMP PLUG
	2054							RELEASE FLOAT HELD
								CIRC CMT TO PIT
								THANKS FOR CALLING HALLIBURTON
								JERRAKO & CREW

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