

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: NA
Operator Contact Person: Jim LaFevers
Phone: (832) 636-3127
Contractor: Name: Gulick Drilling Co.
License: 32854

API No. 15 - 111-20427-00-00
County: Lyon
C E2 NE Sec. 5 Twp. 17 S. R. 13 East West
1320 feet from S / N (circle one) Line of Section
660 feet from E / W (circle one) Line of Section

Wellsite Geologist: _____
Designate Type of Completion: **NOV 19 2003**
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. WICHITA, KS
 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: Briggs Well #: 1-5
Field Name: Wildcat

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. _____
9/5/03 9/14/03 10/20/03
Spud Date or 9/5/03 Date Reached TD 10/20/03 Completion Date or
Recompletion Date 9/14/03 10/20/03

Producing Formation: Cherokee
Elevation: Ground: 1139' Kelly Bushing: 1147'
Total Depth: 2770' Plug Back Total Depth: 2722'
Amount of Surface Pipe Set and Cemented at 241 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2061' Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan **ACT I WITHIN 4907**
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ 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: [Signature]
Title: Env & Reg Affairs Date: 11/17/03
Subscribed and sworn to before me this 18th day of November
20 03

Notary Public: BERTHA COSTON
NOTARY PUBLIC, STATE OF TEXAS
Date 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: Briggs Well #: 1-5
 Sec. 5 Twp. 17 S. R. 13 East West County: Lyon

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
 Cherokee 1597'
 Mississippian 1997'
 Arbuckle 2652'

List All E. Logs Run:
 CBL, AI/GR, CNL

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	# Sacs Used	Type and Percent Additives
Surface	9-5/8	12-1/4	32.3	241	Class A	180	see cmt rpt
Production	8-3/4	7	20	2764	50/50 POZ	330	see cmt rpt

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				

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

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
2	1856-57', 1908-10', 1942-44'		

TUBING RECORD Size none Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. Shut In 10/20/03 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 Vented Sold Used on Lease (If vented, Submit ACO-18.)
 METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled
 Production Interval Other (Specify) _____

1856'-1944'

CONFIDENTIAL
BLUE STAR
ACID SERVICE, INC.

API # 15-111-20427.00-00
 PO Box 103
 Eureka, Kansas 67045

Cementing Ticket
 and Invoice Number

No 4896

ORIGINAL

Date 9-5-03	Customer Order No.	Sect. 5	Twp. 17S	Range 11E	Truck Called Out 10:30 AM	On Location 1:30 PM	Job Began 4:50 PM	Job Completed 5:30 PM
Owner ANADARKO Petroleum Corp.		Contractor Gulick Drilling Co.			Charge To ANADARKO Petroleum Corp.			
Mailing Address P.O. Box 720		City ELKHART			State KANSAS			
Well No. & Form BRIGGS # 1-5		Place LYON			State KS			
Depth of Well 250'	Depth of Job 244'	Casing (New) Size 9 5/8 (Used) Weight 37.3	Size of Hole 12 1/4	Size of Hole Amt. and Kind of Cement 180 SKS	Cement Left in casing by	Request Necessity		
Kind of Job SURFACE CASING					Drillpipe	(Rotary) Cable	Truck No. #21	

Price Reference No.	# 1
Price of Job	425.00
Second Stage	
Mileage	60 = 135.00
Other Charges	
Total Charges	560.00

Remarks SAFETY Meeting. Rig up to 9 5/8 casing. Pressure Test Lines to 1000 PSI. Release Pressure. BREAK Circulation with 15 BBL fresh water. Mixed 180 SKS Regular Cement with 3% Cacta, 1/4" Fluocel P-1/SK @ 14.9% per cal. Shut down. Release Plug. Displace with 16.0 BBL fresh water. Bump Plug to 300 PSI. Check float. float did not hold. Re bump Plug to 350 PSI. Shut casing in. Good cement Returns To SURFACE = 16 BBL Slurry = 75 SKS. Job Complete Rig Down.

Cementor Kevin McCoy District EUREKA State KS NOV 19 2003
 Helper Mike, Justin
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

Thank you

WICHITA, KS

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
180 SKS	Regular Class "A" Cement	7.75	1395.00
510 #	Cacta 3%	.35	178.50
45 #	Fluocel 1/4" P-1/SK	1.00	45.00
1	9 5/8 AFU INSERT Flapper Valve	130.00	130.00
2	9 5/8 x 12 1/4 Centralizers	60.00	120.00
1	9 5/8 wooden Plug	50.00	50.00
	180 SKS Handling & Dumping	.50	90.00
Plugs	8.9" Tubs Mileage 60	.80	406.08
	Sub Total		2974.58
	Delivered by #22 Truck No.	Discount	
	Delivered from EUREKA	Sales Tax	5.8%
	Signature of operator <u>Kevin McCoy</u>	Total	3147.11

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HALLIBURTON LIBERAL

API# 15-111-20427-00-00

16206243478

8 / 15

ORIGINAL

HALLIBURTON JOB SUMMARY		SALES ORDER NUMBER 2665018	TICKET DATE 09/14/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY Lyon
MBU ID / EMT # MCL10101 106322	H.E.S. EMPLOYEE NAME Danny McLane	PSL DEPARTMENT Cement	
LOCATION Liberal	COMPANY Anadarko Petroleum Corporation	CUSTOMER REP / PHONE Raymond New (806) 672-7528	
TICKET AMOUNT \$28,235.68	WELL TYPE 02 Gas	API/UMI #	
WELL LOCATION Miller,Ks	DEPARTMENT Cement	SAP BOMB NUMBER 7523	Cement Production Casing
LEASE NAME Briggs	Well No. 1-5	SEC / TWP / RNG 5 - 17S - 13E	HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks

NOV 17 2003

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HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
McLane, D 106322	20.0			
Lernieux, M 266575	19.5			
Ferguson, R 106154	7.5			

NOV 19 2003

CONSERVATION DIVISION WICHITA, KS

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547695	500			
10251401	500			
10240236 10240245	300			

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
	9/13/2003	9/14/2003	9/14/2003	9/15/2003
Time	2200	0600	1830	0030

Tools and Accessories

Type and Size	Qty	Make
Float Collar SS II 7	1	Howco
Float Shoe SS II 7	1	Howco
Centralizers 7	16	Howco
Plug Set FF 7	1	Howco
HEAD 7	1	Howco
Limit clamp 7	1	Howco
Weld-A 7	2	Howco
MSC 7	1	Howco
BTM PLUG		Howco

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	20.0	7 IN		0	2761.18	
Liner			MSC @		2,062		
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4				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

Date	Hours
9/14	18.0
9/15	2.0
Total	20.0

Operating Hours

Date	Hours
9/14	1.5
9/15	0.5
Total	2.0

Description of Job
Cement Production Casing

Hydraulic Horsepower

Ordered	Avail.	Used

Average Rates in BPM

Treating	Disp.	Overall

Cement Left in Pipe
Feet 82.83 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	50/50 POZ PP	Bulk	5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL - 6# GILSONITE	28.29	4.26	10.00
2	70	50/50 POZ PP	Bulk	5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL - 6# GILSONITE	7.43	1.62	13.20
3	25	50/50 POZ PP	Bulk	5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL - 6# GILSONITE	28.29	4.26	10.00
4	210	50/50 POZ PP	Bulk	5% KCL - .5% HALAD-322 - 1/2# FLOCELE - 5% CALSEAL - 6# GILSONITE	7.43	1.62	13.20

Summary

Circulating Breakdown	Displacement	Preflush: BBI	10.00	Type: Gel
Lost Returns	MAXIMUM	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
Cmt Rtrn#Bbl	Lost Returns	Excess /Return BBI		Calc. Disp Bbl 108.2
Average	Actual TOC	Calc. TOC:		Actual Disp. 108
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Disp:Bbl
	5 Min.	Cement Slurry BBI	1st stage 19.20	2nd stage 19.60.5
	15 Min.	Total Volume BBI	#VALUE!	

Frac Ring #1 [Frac Ring #2 [Frac Ring #3 [Frac Ring #4

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE *R. McLane* SIGNATURE

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ORIGINAL

API # 15-111-20427-00-00

HALLIBURTON JOB LOG		TICKET # 2665018	TICKET DATE 09/14/03	RECEIVED
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY Lyon	KANSAS CORPORATION COMMISSION NOV 19 2003
MBU ID / EMPL # MCLI0101 106322	H.E.S. EMPLOYEE NAME Danny McLane	PSL DEPARTMENT Cement		
LOCATION Liberal	COMPANY Anadarko Petroleum Corporation	CUSTOMER REP / PHONE Raymond New	CONSERVATION DIVISION (806) 672-7528	
TICKET AMOUNT \$28,235.68	WELL TYPE 02 Gas	API/UMI #		
WELL LOCATION Miller, Ks	DEPARTMENT Cement	JOB PURPOSE CODE Cement Production Casing		
LEASE NAME Briggs	Well No. 1-5	SEC / TWP / RNG 5 - 17S - 13E	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	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
McLane, D 106322	20						
Lemieux, M 266575	20						
Ferguson, R 106154	7.5						

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Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate			Job Description / Remarks
				N2	CSG.	Tbg	
9-14	2200						Called for job
	2300						Hold pre trip safety meeting
9-15	0600						On location do job site assessment. Finishing up on logs
	0615						Rig running in drill pipe/Bring pump truck on location
	0705						Hold safety meeting with driver and set up truck
	0800						Drill pipe on bottom and circulating hole
	0953						Rig through circulating hole
	0959						Rig laying down drill pipe
	1151						Drill pipe out of hole
	1206						Hold safety meeting and rig up casing crew
	1251						Start running 7 inch casing and float equipment
	1316						Break circulation
	1325						Start running 7 inch casing and float equipment
	1343						Put MSC Tool on top of joint 17 @ 2062 ft
	1345						Break circulation
	1351						Start running 7 inch casing and float equipment
	1418						Break circulation
1433						Start running 7 inch casing and float equipment	
1453						Break circulation	
1510						Start running 7 inch casing	
1611						Casing on bottom	
1618						Hook up plug container and circulating hose	
1619						Start circulating with rig pump	
1626						Got mud returns and rig down casing crew	
1700						Hold safety meeting with rig crew	
1615						Bulk truck on location / Hold safety meeting with driver	
						Hook up to Halliburton	
						Job procedure for 7 inch	
1826					0/2200	Pressure test lines	
1828	3.0		10.0		0/150	Start gel ahead	
1831	4.0		19.0		150/50	Start 25 sacks of scavenger cement @ 10#/gal	
1835	5.5		20.0		60	Start 70 sacks of primary cement @ 13.2#/gal	
1839						Shut down and release shut off plug	
1841	6.0		30.0		0/25	Start fresh water displacement	
1848	7.5		78.0		25/145	Start mud displacement	
1857					150/210	Displacement caught cement	
1900	2.0				170/70	Slow down rate	

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API # 15-111-20427-00-00

ORIGINAL

HALLIBURTON JOB LOG CONT

TICKET # 2665018

TICKET DATE 09/14/03

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Rate N2	Press.(PSI)		Job Description / Remarks
					CSG.	Tbg	
	1905				200/500		Plug landed and pressure up casing
	1906				500/0		Release pressure and floats held
	1908				0/1300		Pressure test casing
	1914				1300/0		Release pressure and drop MSC opening tool
	1930				0/800		Pressure up on MSC opening tool
	1935						Give back to rig to circulated well
	2330						Rig through circulating hole
	2332						Hook up to Halliburton
	2335				0/3850		Job procedure for 2nd stage
	2337	6.0	19.0		0/80		Pressure test lines
	2341	6.0	60.5		85		Start 25 sacks of scavenger cement @ 10 #/gal
	2348						Start 210 sacks of primary cement @ 13.2 #/gal
	2350						Through mixing cement
	2352	6.0	83.0		0/25		Shut down and release MSC closing plug
	0002				25/75		Start fresh water displacement
	0007	2.0			350/285		Displacement caught cement
	0010				320/1000		Slow down rate
	0011				1000/0	0/1500	Plug landed and close MSC tool
	0013				1500/0		Release pressure flow back /and pressure back up
	0014				0/2000		Release pressure and no flow back
	0015				2000/0		Pressure test casing
							Release pressure
Thank you for calling Halliburton Danny and Crew							

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CONSERVATION DIVISION WICHITA, KS

KCC

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