

FORM MUST BE TYPED

CONFIDENTIAL SIDE ONE

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 175-21621-00-00

County SEWARD

SW - NE - NE - NE Sec. 6 Twp. 35 Rge. 32 X W

400 Feet from (N)X (circle one) Line of Section

400 Feet from (E)X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(NE) SE, NW or SW (circle one)

Lease Name BROWN "K" Well # 1

Field Name CONDIT

Producing Formation MORROW

Elevation: Ground 2759.9 KB

Total Depth 6700 PBD 6110

Amount of Surface Pipe Set and Cemented at 1590 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 87 6-12-98
(Data must be collected from the Reserve Pit)

Chloride content 1400 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite:
RELEASED

Operator Name _____

Lease Name MAY 06 2000 License No. _____

Quarter 1 Sec. 6 Twp. 35 S Rng. 32 E/W

County _____ Docket No. _____

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLF

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion
X New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

X Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: SEP 22,

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

5-28-97 6-6-97 7-18-97

Spud Date Date Reached TD Completion Date

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 on 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 L. Marc Harvey

L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 9-22-97

Subscribed and sworn to before me this 22nd day of September 1997.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appt. Expires 5-15-99

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BROWN "K" Well # 1

Sec. 6 Twp. 35 Rge. 32
 East
 West

County SEWARD

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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: SBT-CCL-GR, DIL, ML, CNL-LDT.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2592	
COUNCIL GROVE	2949	
KEEBNER	4324	
TORONTO	4359	
LANSING	4510	
MARMATON	5198	
CHEROKEE	5468	
MORROW	5826	
CHESTER	6066	
STE. GENEVIEVE	6433	
ST. LOUIS	6547	

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	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	23.0	1590	P+ MIDCON 2/ P+	375/160	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6509	VERSASET	210	.6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	Depth
3	6397-6403, 6420-6426, CIBP @ 6250.	ACID: 600 GAL 7 1/2% FeHCL.	6397-6426 (OA)
2	6159-6164, 6178-6189, CIBP @ 6110	ACID: 700 GAL 7 1/2% FeHCL. FRAC: 18400GAL XLINK GEL & 56000# 16/30 SD	6159-6189 (OA) 6159-6189 (OA)
2	6012-6028, 6037-6045	ACID: 1200 GAL 7 1/2% FeHCL. FRAC: 29700 GAL FMD GEL & 102000# 16/30 SD	6012-6045 (OA) 6012-6045 (OA)

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 7-31-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		1494			

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACD-18.) METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval: 6012-6045 (OA)



JOB SUMMARY 4239-1

TICKET # **194359**

TICKET DATE **5-29-97**

REGION **North America**
MSU ID / EMP # **L10103 G2098**
LOCATION **Liberal KS**
TICKET AMOUNT

NWA/COUNTRY **MID CONTINENT**
EMPLOYEE NAME **J. Nicholas**
COMPANY **ANADARKO PET.**
WELL TYPE **02**

BDA / STATE **KS**
COUNTY **SEWARD**
PSL DEPARTMENT **Cement**
CUSTOMER REP / PHONE
API / UWI #
JOB PURPOSE CODE **010**

WELL LOCATION **LAW**
LEASE / WELL # **Brown K-1**

DEPARTMENT **5001 Cement**
SEC / TWP / RNG **6-35S-32W**

ORIGINAL

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
S. TATE E0568			
C. ASHLEY 44061			
B. McIntyre H2308			

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HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52823 75314							
420045							
51984-77031							

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

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	5-29-97 0625	5-29-97 0800	5-29-97 1303	5-29-97 1405

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Insect 8 5/8	1	Houco
Float Shoe Fill Tube	1	"
Guide Shoe REG 8 5/8	1	"
Centralizers REG "	4	"
Bottom Plug		
Top Plug 5W "	1	"
Head		
Packer BASKETS "	1	"
Other WELD A	1	"

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	New	23#	8 7/8	KB	1604	
Liner						
Liner						
Tbg/D.P.		NUL				
Tbg/D.P.						
Open Hole				SEP 22		SHOTS/FT.
Perforations						
Perforations				CONFIDENTIAL		
Perforations						

MATERIALS

Treat Fluid	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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				858 SURFACE
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET	CEMENT LEFT IN PIPE Reason	SHOE JOINT
39.00		

CEMENT DATA **RELEASED**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	375	midpac 3	Bulk	32 cc, 1/4 # Flo	3.22	11.1
2	100	P+	"	28 cc, 1/4 # Flo	1.32	14.8

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Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI Gal 100
		Cement Slurr Gal - BBI 215 LEAD	235 TAIL
		Total Volume Gal - BBI	

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE *Jim Brader*

REGION North America	NWA/COUNTRY KENTUCKY	BDA / STATE KS	COUNTY JACKSON
NBU ID / EMP # 62098	EMPLOYEE NAME J. Nicholas	PSL DEPARTMENT Cement	
LOCATION Liberal KS	COMPANY AMERICAN INT.	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE OL	API / UWI #	ORIGINAL
WELL LOCATION L-100	DEPARTMENT 3001 Cement	JOB PURPOSE CODE 010	
LEASE / WELL # 1800001 R-1	SEC / TWP / RNG. 2-32-3200		

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
A. TATE			
B. NICHOLAS			
C. ...			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0625							CALLED OUT
	0800							ON LOCATION - DRILLING
	1303							HOOK UP TO RIG CIRCULATE SHUT DOWN
	1313	7.9	215		✓	10-140		HOOK UP TO PUMP TRUCK PUMP LEAD CEMENT 375 SKS 3% CC, 1/4 #/SK FLOCELE AT 11.1 #/gal
	1340	4.7	23.5		✓	140-210		PUMP TAIL CEMENT 100 SKS 2% CC, 1/4 #/SK FLOCELE AT 14.8 #/gal
	1345							SHUT DOWN DROP PLUG
	1346	5.6	100		✓	120-200		PUMP DISPLACEMENT - H2O
	1403	2.5						SLOW DOWN PLUG LANDED - FLOAT HELD.
	1405							
								*CIRCULATED 30 BBL OF CEMENT TO P.T

ALL
SEP 22
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RELEASED

SEP 06 2000

FROM CONFIDENTIAL

THANK YOU FOR USING HALLIBURTON
NICHOLAS TATE

RECEIVED
MAY 24 12:30



JOB SUMMARY 4239-1

TICKET #	235654	TICKET DATE	6-7-97
REGION	North America	NWA/COUNTRY	THIS CONTINENT
BDA / STATE	Ks.	COUNTY	SEWARD
MBU ID / EMP #	40101 D4604	EMPLOYEE NAME	TIM BROADFOOT
LOCATION	LIBERAL Ks.	PSL DEPARTMENT	CEMENT
TICKET AMOUNT	11205.32	COMPANY	ANADARKO PET.
WELL LOCATION	LAND	CUSTOMER REP / PHONE	O.J. STUCK
LEASE / WELL #	BROWN K-1	API / UWI #	
WELL TYPE	OR	JOB PURPOSE CODE	035
DEPARTMENT	CEMENT		
SEC / TWP / RNG	6-35S-32W		

ORIGINAL

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
T. BROADFOOT H4604			
S. GRANT H4639			
D. CORPENING H2441			
CONFIDENTIAL			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420045	12						
52997	12						
52276-5742	12						

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

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
6-7-97	1800	6-7-97	6-7-97	6-7-97
			2145	2250

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar INSERT	1	TH
Float Shoe FULLUP	1	
Guide Shoe KEG.	1	O
Centralizers S-4	15	
Bottom Plug		W
Top Plug SW	1	
Head		C
Packer		
Other		O

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	GL.	6510	
Liner CS6	W	23	8 3/8	GL.	1595	
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	1595	6700	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
	1100			RELEASED
SEP 22				062000
				CONFIDENTIAL
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET	CEMENT LEFT IN PIPE	Reason
44.93		SKOE ST. 00

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	25	PREM	B		1.78	15.6
2	210	PREM	B	10% VERSASET - 5% KCL - 1/2% ANAD 322 - 1/4 SK FROCELE	1.41	14.5

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI Gal 154.3
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 5-53	
		Total Volume Gal - BBI _____	

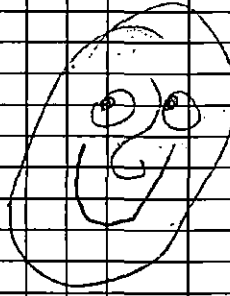
REGION North America	NWA/COUNTRY MID CONTINENT	BDA / STATE Ks.	COUNTY SEWARD
MBU ID / EMP # 42131 8434	EMPLOYEE NAME TIM BROADFOOT	PSL DEPARTMENT Empty	
LOCATION LIBERAL Ks.	COMPANY HALLIBURTON PET.	CUSTOMER-REP / PHONE D.S. STICK	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION LAUD	DEPARTMENT Cement	JOB PURPOSE CODE 035	
LEASE / WELL # Brown K-1	SEC / TWP / RNG 6-35S-32W		

ORIGINAL

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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
T. Broadfoot 42131			
D. Grant 114639			
D. Coopering 114711			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1800							CYCLER OUT - READY NOW
	1930							on lock - RUNNING CSG.
	2105							hook up CMT HEAD
	2115							CIRCULATION TO PIT - SAFETY MEETING
	2145							hook up to CMT M.H.
	2151	1	2.3					pumping CMT 13.6 "/GAL
	2155		2.3			75		hook up to CMT K.H.
	2200	1	2.3					fund CMT 15.6 "/GAL
	2202							SHUT OFF hook up to Csg.
	2206	5.2	8			230		START 2/20
	2208	5.2	10			200		START Super flush
	2210	5.2	8					START 2/20
	2211	4.8	5.3			200		START CMT 14.5 "/GAL
	2222					0		SHUT OFF WASH UP - DROP PLUG
	2226	6.5	15.0			0		START DISPLACEMENT 2/20
	2249	4.3	4.3			50		SLOW RATE 154.3 BBL TOTAL
	2250					1050		PLUG LANDED - LEAT HELD



THANKS FOR CALLING
 HALLIBURTON ENERGY SERVICES
 LIBERAL Ks.
 HAVE A GOOD DAY
 BROADFOOT - GRANT - COOPERING.

CONFIDENTIAL

RELEASED

MAY 06 2000

FROM CONFIDENTIAL

1997 JUN 24 12:37
 1997 JUN 24 12:37
 1997 JUN 24 12:37