

15-175-21632-0000

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

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. KAPPLE

Phone ( 316 ) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

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:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

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. \_\_\_\_\_

6-11-97 6-13-97 7-26-97

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21632-0000

County SEWARD

SE - SE - NW - NW Sec. 10 Twp. 33 Rge. 33 X W

1250 Feet from NX (circle one) Line of Section

1250 Feet from XW (circle one) Line of Section

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

Lease Name BROWNE "C" Well # 1H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2754.3 KB \_\_\_\_\_

Total Depth 2706 PBD 2644

Amount of Surface Pipe Set and Cemented at 540 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 AH.1, 4-9-98 v.c.  
(Data must be collected from the Reserve Pit)

Chloride content 1900 ppm Fluid volume 400 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

RECEIVED  
KANSAS CLRP COMM  
OCT - 8 12:08

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

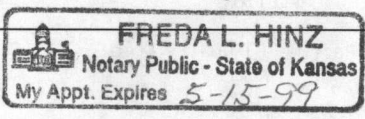
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 10-7-97

Subscribed and sworn to before me this 7th day of October 1997.

Notary Public Freda L. Hinz

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BROWNE "C" Well # 1H

Sec. 10 Twp. 33 Rge. 33  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
GLORIETTA	1024-1188	
B/STONE CORRAL	1502	
HERRINGTON	2500	
U. KRIDER	2526	
L. KRIDER	2566	
WINFIELD	2616	
TOWANDA	2672	

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	540	P+ MIDCON 2/ P+	100/100	3%CC, 1/2%SK FLC/ 2%CC, 1/2%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	2698	P+ MIDCON 2/ P+ MIDCON 2.	210/90	3%CC, 1/2%SK FLC/ 3%CC, 1/2%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					

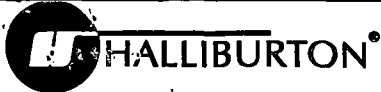
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	2500-2518, 2531-2540.		ACID: 800 GAL 15% FeHCL.
			FRAC: 19410 GAL FMD GEL, 4000# 16/30 SD & 31000# 20/40 SD.	2500-2540 (OA)
2	2540-2598.		NONE.	
TUBING RECORD	Size 2 3/8	Set At 2585	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 8-15-97		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 44	Water Bbls. 32	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) \_\_\_\_\_

Production Interval: 2500-2598 (OA)



# JOB SUMMARY 4239-1

TICKET # <b>184344</b>	TICKET DATE <b>6-11-97</b>
BDA / STATE <b>KS</b>	COUNTY <b>SEWARD</b>
PSL DEPARTMENT <b>CEMENT</b>	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE <b>010</b>	<b>ORIGINAL</b>

REGION <b>North America</b>	NWA/COUNTRY <b>MID CONTINENT</b>
MBU ID / EMP # <b>LI104 62573</b>	EMPLOYEE NAME <b>JOHN WOODROW</b>
LOCATION <b>LIBERAL</b>	COMPANY
TICKET AMOUNT	WELL TYPE <b>02" GAS</b>
WELL LOCATION <b>N. LIBERAL</b>	DEPARTMENT <b>CEMENT</b>
LEASE / WELL # <b>BROWN C-14</b>	SEC / TWP / RING <b>10-33S-33W</b>

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
<b>T. POYER 53554/76900</b>							
<b>J. FROST 69475</b>							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>53554/76900 PCH</b>	<b>21</b>						
<b>50404/6610 BULK</b>	<b>21</b>						
<b>420044 P/V</b>	<b>27</b>						

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
	<b>6-11-97</b>	<b>6-11-97</b>	<b>6-11-97</b>	<b>6-11-97</b>
TIME	<b>1800</b>	<b>2030</b>	<b>2145</b>	<b>2215</b>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar <b>INSERT 8 7/8</b>	<b>1</b>	<b>H</b>
Float Shoe		
Guide Shoe <b>P/C 8 7/8</b>	<b>1</b>	<b>O</b>
Centralizers	<b>4</b>	
Bottom Plug		<b>W</b>
Top Plug <b>S-W</b>	<b>1</b>	
Head <b>P/C</b>	<b>1</b>	<b>C</b>
Packer		
Other <b>BASKET</b>	<b>1</b>	<b>O</b>

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>23"</b>	<b>3 7/8</b>	<b>KB</b>	<b>590</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						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	
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	
	Disp.	Overall
FEET <b>41</b>	CEMENT LEFT IN PIPE	
	Reason	<b>SHOE JOINT</b>

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>100</b>	<b>PP m.d.cou</b>	<b>B</b>	<b>2% CC 1/4' FLOCCUL</b>	<b>322</b>	<b>11.1</b>
	<b>100</b>	<b>PP</b>	<b>B</b>	<b>2% CC 1/4' FLOCCUL</b>		

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal <b>32</b>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal <b>(BB) 5710 23.5 TC</b>	
		Total Volume Gal <b>(BB) 80</b>	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

194344

6-11-97

REGION North America	NWA/COUNTRY	BDA / STATE KS	COUNTY
MBU ID / EMP # LL104 62573	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION LIBERTY KS	COMPANY Woodrow	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE O2 GAS	API / UWI #	
WELL LOCATION NE LIBERAL	DEPARTMENT CEMENT	JOB PURPOSE CODE	010
LEASE / WELL # BROWN C-14	SEC / TWP / RNG		

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
J. Fry			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2100							JOB READY
	1800							CALLED OUT FOR JOB
	2030							PUMP TRUCK ON LOCATION / RIG TRIPPING OUT DRILL PIPE / SET UP PUMP TRUCK
	2130							START RUNNING 8 7/8 CSG + FET EQUIP CASING ON BOTTOM 540'
	2135							HOOK UP 8 7/8 PIC + CIRCUITING ERON
	2135							START CIRCUITING WITH RIG PUMP
	2138							HOLD SAFETY MEETING
	2140							THROUGH CIRCUITING / HOOK UP TO PUMP TRUCK
	2145	6.5	57.0			900		START MIXING 100SKS / LG AT 11.1 <sup>20ft</sup> / GAL
	2155	6.5	23.5			800		START MIXING 100SKS TO AT 14.8 <sup>20ft</sup> / GAL
	2200		79.0			0		THROUGH MIXING CMI / SHUT DOWN
	2201							RELEASE PLUG / START DISPLACEMENT
								HAVE 15" BALL OUT / HAVE GOOD CMI RETURNS TO SURFACE
	2215		32.0			250/1000		PLUG DOWN / RELEASE FLOAT
								FLOAT HUNG
(CIRCULATED 15-BBLS - 26 SKS) ✓								
THANK YOU! FOR CALLING HALLIBURTON								
Woodly & Ann								

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 6/11/97 8:00 AM  
 200



**JOB SUMMARY** 4239-1

TICKET #	235658	TICKET DATE	6-14-97
BDA / STATE	Ks.	COUNTY	SEWARD
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	<del>6200</del> SERGIO TINOCO		
API / UWI #			
JOB PURPOSE CODE	035		

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	A10101 - D4604	EMPLOYEE NAME	TIM BROADFOOT
LOCATION	LIBERAL Ks.	COMPANY	ANADARKO PET.
TICKET AMOUNT	11468.33	WELL TYPE	02
WELL LOCATION	LAND	DEPARTMENT	CEMENT
LEASE / WELL #	BROWNE C-1H	SEC / TWP / RNG	10-33S-33W

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 D4604	C. LAY D92590	B. MCINTYRE H23080	

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	30	53552-78202	30	50866-7649	54		

ORIGINAL

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

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	6-14-97	6-14-97	6-14-97	6-14-97
TIME	0200	0430	1035	1140

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar INSERT	1	H
Float Shoe Filled	1	
Guide Shoe Regular	1	O
Centralizers S-4	13	I
Bottom Plug		W
Top Plug 5w	1	
Head		C
Packer		
Other		O

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	GL	2698	
Liner Cdg	U	23	8 5/8	GL	545	
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	545	2700	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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				10 BBL to P. CMT to PIT (18 SKS)
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Aval.	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET 42.32	CEMENT LEFT IN PIPE	Reason
		SAFCE JT.

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	210	midcoppt	B	3% C.C. - 1/4 #/SK FLOCECE	3.22	11.1
1	90			" "	2.01	12.8
2	25			" " TO RH & MTH	"	"

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: (BBI) Gal 63.2
Shut In: Instant	5 Min 15 Min	Cement Slurr	Gal - (BBI)	
		Total Volume	Gal - BBI	

TICKET #	200658	TICKET DATE	6-11-97
REGION	North America	BDA / STATE	Ks.
NWA/COUNTRY	USA	COUNTY	COMPTON
MBU ID / EMP #	734574	PSL DEPARTMENT	COMPTON
EMPLOYEE NAME	DAVID	CUSTOMER REP / PHONE	
LOCATION	Liberal, Ks.	WELL TYPE	02
COMPANY	MINNER	API / UWI #	
TICKET AMOUNT		DEPARTMENT	COMPTON
WELL LOCATION	Liberal	JOB PURPOSE CODE	035
LEASE / WELL #	10-335-3301	SEC / TWP / RNG	

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
DAVID	1	DAVID	1	DAVID	1	DAVID	1

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0200							called out - ready 0600
	0430							on loc. - circulating
	0750							start running CSG.
								<b>ORIGINAL</b>
	0950							look up CMT HEAD
	1005							CIRCULATION TO PIT - SAFETY MEETING
	1033					200		look up CMT LINE - O.P. PRESSURE TEST
	1035	5.2	8			170		Pump <del>H<sub>2</sub>O</del> SPACER
	1036	5.0	10			170		Pump Super FLUSH
	1038	3.0	8			170		Pump H <sub>2</sub> O SPACER
	1040					170		SHUT OFF LOOK UP DMH
	1045	1.8	9			170		Pump M-H & R.H. CMT
	1050					0	0	SHUT OFF LOOK UP TO CSG.
	1055	5.9	120			110		START LEAD CMT 11.1#/GAL
	1114	5.9	32			140		START TAIL CMT 12.8#/GAL
	1119	0	0			0		SHUT OFF - WASHUP - DROP PLUG
	1124	60	60			410		START DISPLACEMENT H <sub>2</sub> O
	1136	3.2	6			500		SLOW RATE TOTAL BBL
	1138	-	-			1000		PLUG LANDED
								0830 - 0900 WASHED DOWN IT
								22 TO GET IT IN HOLE
								THANKS FOR CALLING
								HALLIBURTON ENERGY SERVICES
								LIBERAL KS.
								HAVE A GOOD DAY
								BROADFOOT - LAY - M <sup>c</sup> INTYRE
								M/S D/S ON LOC
								10 BBL CMT TO PIT (18 SKS)