

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: CURTIS COVEY

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. PENDING

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

2-28-97 3-9-97 4-7-97

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21597-0000

County SEWARD

- C - NW - NW Sec. 20 Twp. 33 Rge. 34 X W

660 Feet from NX (circle one) Line of Section

660 Feet from XW (circle one) Line of Section

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

Lease Name SHUCK "B" Well # 2

Field Name SHUCK

Producing Formation CHESTER/MORROW

Elevation: Ground 2929.0 KB \_\_\_\_\_

Total Depth 6500 PBD 6090

Amount of Surface Pipe Set and Cemented at 1669 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 ALT 1 97 9-3-97  
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 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 CORP COM  
JUN -6 P 2:14

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 6-3-97

Subscribed and sworn to before me this 3rd day of June  
19 97.

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  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name SHUCK "B" Well # 2

Sec. 20 Twp. 33S Rge. 34  East County SEWARD  
 West

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: DIL, ML, CNL-LDT, SONIC, SBT-CCL-GR.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;">Formation (Top), Depth and Datums</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <td style="text-align: center;">Name</td> <td style="text-align: center;">Top</td> <td style="text-align: center;">Datum</td> </tr> <tr> <td>CHASE</td> <td style="text-align: center;">2605</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td style="text-align: center;">2918</td> <td></td> </tr> <tr> <td>HEEBNER</td> <td style="text-align: center;">4204</td> <td></td> </tr> <tr> <td>LANSING</td> <td style="text-align: center;">4332</td> <td></td> </tr> <tr> <td>MARMATON</td> <td style="text-align: center;">5040</td> <td></td> </tr> <tr> <td>MORROW</td> <td style="text-align: center;">5670</td> <td></td> </tr> <tr> <td>CHESTER</td> <td style="text-align: center;">5967</td> <td></td> </tr> <tr> <td>STE. GENEVIEVE</td> <td style="text-align: center;">6294</td> <td></td> </tr> <tr> <td>ST. LOUIS</td> <td style="text-align: center;">6365</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	Name	Top	Datum	CHASE	2605		COUNCIL GROVE	2918		HEEBNER	4204		LANSING	4332		MARMATON	5040		MORROW	5670		CHESTER	5967		STE. GENEVIEVE	6294		ST. LOUIS	6365	
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample																																
Name	Top	Datum																																
CHASE	2605																																	
COUNCIL GROVE	2918																																	
HEEBNER	4204																																	
LANSING	4332																																	
MARMATON	5040																																	
MORROW	5670																																	
CHESTER	5967																																	
STE. GENEVIEVE	6294																																	
ST. LOUIS	6365																																	

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	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	24.0	1669	P+ MIDCON/ P+	320/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6349	P+ MIDCON/ VERSASET	120/155	2%CC, 1/4#SK FLC/ .6% HALAD 322, .9% VERSASET, 1/4#SK FLC 5% KCL.

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
3	6184-6192, CIBP @ 6090.	ACID: 400 GAL 7 1/2% FeHCL. 6184-6192
2	6022-6036, 6000-6002, 5991-5994, 5981-5984, 5924-5951.	ACID: 2400 GAL 7 1/2% FeHCL. 5924-6036 (OA) FRAC: 36000 GAL FOAMED GLD KCL WTR & 5924-6036 (OA)
		106000# 16/30 SD.
TUBING RECORD	Size 2 3/8 Set At 5890 Packer At Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.	
Date of First, Resumed Production, SWD or Inj. 4-22-97		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 3 Bbls. Gas 360 Mcf Water 3 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  
 Other (Specify) \_\_\_\_\_

Production Interval 5924-6030 (OA)

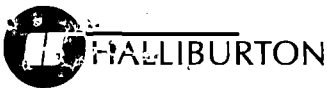


CUSTOMER APC WELL NO. B-2 LEASE SHack JOB TYPE 5 1/2 L.S. TICKET NO. 185235

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1445							Called out
	1800							on loc. rig LDDP
	1900							out of hole WID.P. L.D. KH emH
	1950							start CSG. & F.E.
	2230							CSG on BOH Hook up 5 1/2 P.C. & circ. Iron to rig.
	2234							brk circ. w/ rig pump
	2239							circ. to pit
	2306		3					plug KH ORIGINAL
	2312		34					plug MH
	2318							Thru. circ. Hook Iron to r.f.
	2321	6.0	8		✓		250	pump H <sub>2</sub> O spacer
	2323	6.0	10		✓		250	pump SUPER Flush
	2326	6.0	8		✓		200	pump H <sub>2</sub> O spacer
	2338	6.0	43		✓		190	pump 120sx prem vrs at 12.8 #/gal
	2344	6.0	39		✓		150	pump 155sx prem vrs at 14.5 #/gal
	2354	0	39				0	Thru mixing. shut down wash up.
	2356	9.0	150.1		✓		150	pump DISP.
	013	5.0	150.1		✓		90	200 11 bbls in lift cmf.
	018	2.0					550	140 bbls in store.
	025	2.0	150.1		✓		800	150 bbls in Land plug.
	026	0	150.1		✓		1600	0 Release psi -
	030							Job over

RECEIVED KANSAS CORP COMM 1997 JUN -6 P 12:35

Thanks for calling. TXce: TOM & crew



# JOB SUMMARY

HALLIBURTON DIVISION

Mid Continent

HALLIBURTON LOCATION

Libers 1

BILLED ON TICKET NO.

185778

## WELL DATA

FIELD \_\_\_\_\_ SEC. 20 TWP. 33S RNG. 34W COUNTY. Seward STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 171

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>23</u>	<u>8 3/4</u>	<u>KB</u>	<u>1683</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR <u>insert</u> <u>8 3/8</u>	<u>1</u>	<u>H</u>	
FLOAT SHOE			
GUIDE SHOE <u>Reg</u> <u>8 3/8</u>	<u>1</u>	<u>O</u>	
CENTRALIZERS <u>8 3/8</u>	<u>4</u>		
BOTTOM PLUG		<u>W</u>	
TOP PLUG <u>5W</u> <u>8 3/8</u>	<u>1</u>		
HEAD <u>P/C</u> <u>8 3/8</u>	<u>1</u>	<u>C</u>	
PACKER			
OTHER <u>Cmt Basket</u> <u>8 3/8</u>	<u>1</u>	<u>O</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-1-97</u>	DATE <u>3-1-97</u>	DATE <u>3-1-97</u>	DATE <u>3-1-97</u>
TIME <u>0040</u>	TIME <u>0200</u>	TIME <u>0642</u>	TIME <u>0736</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. McKane</u>		<u>Liberal</u>
<u>J Woodrow</u>		<u>"</u>
<u>D Corpening</u>		<u>"</u>
<u>B Downum</u>		<u>"</u>
	<u>1997 JUN - 6 12:30</u>	<u>Angolan</u>
	<u>KANSAS DRILL CO</u>	<u>"</u>
	<u>RECEIVED</u>	

# ORIGINAL

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT Cement  
 DESCRIPTION OF JOB Cement 8 3/8 Surface

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Steve Bidensou

HALLIBURTON OPERATOR Danny McKane COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>320</u>	<u>Mdcan Pt</u>	<u>Southern</u>	<u>B</u>	<u>3% CC 1/4#/sk Flocele</u>	<u>322</u>	<u>11.1</u>
	<u>100</u>	<u>Prem Pls</u>	<u>"</u>	<u>B</u>	<u>2% CC 1/4#/sk Flocele</u>	<u>132</u>	<u>14.8</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 105  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. LC 193.5 T.C. 23.5  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_

## REMARKS

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 45 REASON Shoe Joint

CUSTOMER Anadarko Petroleum Corp  
 LEASE Shuck  
 WELL NO. B-2  
 JOB TYPE 8 3/8 Surface  
 DATE 3-1-97

JOB LOG HAL-2013-C

CUSTOMER <b>A.P.C.</b>	WELL NO. <b>B-2</b>	LEASE <b>Shuck</b>	JOB TYPE <b>8 1/8 Surface</b>	TICKET NO. <b>185778</b>
---------------------------	------------------------	-----------------------	----------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0040							Job Ready Now
	0040							Called For Job
	0200							on Loc Rig still Drilling Set up Pump Truck
	0300							Rig has hole cut on Bottom Cr
	0330							Rig tripping out D.P.
	0530							Start running Csg & Float Equip.
	0614							Csg on Bottom 1683'
	0624							hook up 8 1/8 P/C and Circulating Iron
	{ }							Start Circulating with Rig pump
	{ }							hold safety meeting
	0640							through Circulating hook up to Pump Truck
								Job Procedure - 8 1/8 Surface
	0642	5	5			0/300		Start 5 bbls Water Ahead
	0644	6-7	183.5			300/120		Mix L.C @ 11.1 #/gal
	0710	6-7	23.5			120/100		mix T.C @ 14.8 #/gal
	0714	0				0		Through mixing Cmt Shut Down
	0715	6-7	108			0/300		Release Plug Start Displacement
	0730		80					80 Bbls out Got Good Cmt to Surface
								max PSI Before Plug lands
	736	3.5				365/1700		Plug landed Float held
								Circulated 25 Bbls 43 sbs to pit

ORIGINAL

Thank You

Danny &amp; Woody

 RECEIVED  
 KANSAS CORP 02M  
 1997 JUN - 6 10 12 35