

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. KAPPLF

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

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  PBT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10-14-97 10-17-97 11-11-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22252-00-00

County STEVENS

SE - SE - NW - SW Sec. 29 Twp. 34 Rge. 38  E  W

1550 Feet from X  (circle one) Line of Section

1250 Feet from X  (circle one) Line of Section

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

Lease Name HOFFMAN "B" Well # 2H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3305.3 KB \_\_\_\_\_

Total Depth 3130 PBT 3073

Amount of Surface Pipe Set and Cemented at 630 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 A17.1, 5-4-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 11500 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. \_\_\_\_\_

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 1-13-98

Subscribed and sworn to before me this 13th day of January  
1998.

Notary Public Freda L. Minz  
Date Commission Expires \_\_\_\_\_

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

K.C.C. OFFICE USE ONLY  
F \_\_\_\_\_ Letter of Confidentiality Attached  
C  Wireline Logs Received COMMISSION  
C \_\_\_\_\_ Geologist Report Received  
  
Distribution 1998  
 KCC  SWD/Rep \_\_\_\_\_ NGPA  
 KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
CONSERVATION DIVISION (Specify)  
Wichita, Kansas

SIDE TWO

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HOFFMAN "B" Well # 2H

Sec. 29 Twp. 34 Rge. 38  East County STEVENS  
 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 type="checkbox"/> Yes <input checked="" 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: CBL-CCL-GR.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>GLORIETTA</td> <td>1300-1468</td> <td></td> </tr> <tr> <td>B/CIMARRON ANHY.</td> <td>1828</td> <td></td> </tr> <tr> <td>HERINGTON</td> <td>2709.</td> <td></td> </tr> <tr> <td>KRIDER</td> <td>2715</td> <td></td> </tr> <tr> <td>WINFIELD</td> <td>2812</td> <td></td> </tr> <tr> <td>TOWANDA</td> <td>2859</td> <td></td> </tr> <tr> <td>FT. RILEY</td> <td>2921</td> <td></td> </tr> <tr> <td>FLORENCE</td> <td>2978</td> <td></td> </tr> <tr> <td>WREFORD</td> <td>3009</td> <td></td> </tr> </tbody> </table>	Name	Top	Datum	GLORIETTA	1300-1468		B/CIMARRON ANHY.	1828		HERINGTON	2709.		KRIDER	2715		WINFIELD	2812		TOWANDA	2859		FT. RILEY	2921		FLORENCE	2978		WREFORD	3009	
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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"	23.0	630	P+ MIDCON 2/ P+	90/100	3%CC, 1/4%SK FLC/ 2%CC, 1/4%SK FLC.
PRODUCTION	8-3/4"	5-1/2"	15.5	3130	P+ MIDCON 2/ P+	180/130	2%CC, 1/4%SK FLC/ 2%CC, 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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
1/1.5'	2715-2730, 2750-2775.5, 2814-2833, 2866-2902.		ACID: 750 GAL 7% FeHCL.	2921-2951
	2921-2951.		ACID: 3000 GAL 7% FeHCL.	2715-2951 (OA)
			FRAC: 82450 GAL FMD GEL & 268000# 12/20 SD	2715-2951 (OA)

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 11-13-97	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	Water	Bbls.	Gas-Oil Ratio	Gravity
				255		0		

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 2715-2951 (OA)





JOB LOG 4239-5

TICKET #	TICKET DATE
231307	10-11-97
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
DEPARTMENT	JOB PURPOSE CODE
SEC / TWP / RNG	

REGION	NWA/COUNTRY
North America	
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RNG

HES EMP NAME/EMP#/EXPOSURE HOURS	HES EMP NAME/EMP#/EXPOSURE HOURS	HES EMP NAME/EMP#/EXPOSURE HOURS	HES EMP NAME/EMP#/EXPOSURE HOURS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1936							Time Collected
	2380							Time Spent
	2130							Time out
	2315							START Plug casing
	2400							Casing to Hole
	2400							Hook up to Casing to Pump
	0000							Casing to Pump
	0010							Check hole to correct level
	0015							Hook up to Pump Truck
	0018	52				150		START Plug Cement
	0030		51.51			100		START Plug Cement
	0135		27.50			100		Finish Plug Cement
	0136		75.11			0		Shut Down
	0137	5				75		START Plug Cement
	0150	3.8	38.5			125		Plug Down
						100		Plug Down
								WASH Pump + Lines
								Front Hole
								Check Cement to P.T.
								100

Thanks for calling  
Halliburton  
Energy  
Dennis Coe

RECEIVED  
STATE CORPORATE COMMISSION

JAN 14 1998

CONSERVATION DIVISION



# HALLIBURTON

## JOB SUMMARY 4239-1

TICKET #	234924	TICKET DATE	10-17-97
REGION	North America	BDA / STATE	KS
NVA / COUNTRY	Mid Continent	COUNTY	Stevens
MBU ID / EMP #	L70101 G3601	PSL DEPARTMENT	Cement
EMPLOYEE NAME	D. McLane	CUSTOMER REP / PHONE	
LOCATION	Liberia	API / UWI #	
COMPANY	Anadarko Petroleum	JOB PURPOSE CODE	035
TICKET AMOUNT		WELL TYPE	OZ
WELL LOCATION	Land	DEPARTMENT	Cement
LEASE / WELL #	Hoffman B-24	SEC / TWP / RNG	29 34S 38 W

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
E McDonald H9285							
B O'Reilly J2260							

# ORIGINAL

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	68						
52947-75496	68						
4037-5742	15						

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
10-17-97	1045	1330	2008	2115

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Gellar Insect 5/8	1	H
Float Shoe		
Guide Shoe 5/8	1	O
Centralizers 5/8	18	
Bottom Plug		U
Top Plug SW 5/8	1	
Head VIC 5/8	1	C
Packer		
Other		O

### WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	0	19.5	5/2	RTS 3151	
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.	ln
NE Agent	Gal.	ln
Fluid Loss	Gal/Lb	ln
Gelling Agent	Gal/Lb	ln
Fric. Red.	Gal/Lb	ln
Breaker	Gal/Lb	ln
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				see Job Log
<b>TOTAL</b>		<b>TOTAL</b>		

ORDERED	HYDRAULIC HORSEPOWER	Used
TREATED	Average Rates in BPM	Overall
FEET 44	CEMENT LEFT IN PIPE	Reason shoe joint

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	STATE CORPORATION COMMISSION	YIELD	LBS/GAL
	180	Midcon P+	B	2% CC 1/4" 15k Stocole		322	11.1
	180	"	B	2% CC 1/4" 15k Stocole		200	12.8
	255	"	B	2% CC 1/4" 15k Stocole	JAN 4 1998	200	12.8

*to Rathole & Mousehole*

Circulating	Displacement	Preflush:	Gal - BBI 8-10" B	Type	H2O 9 Super 5
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad:	BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp:	BBI Gal 74
Shut In: Instant	5 Min 15 Min	Cement Slurr	Gal - BBI 103	T.C.	46
		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 \_\_\_\_\_



JOB LOG 4239-5

TICKET #	234924	TICKET DATE	10-17-97
BDA / STATE	KS	COUNTY	Stevens
PSL DEPARTMENT	Cement		
CUSTOMER REP / PHONE			
API / UWI #			
JOB PURPOSE CODE	035		

REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	17010-63601	EMPLOYEE NAME	D. McNamee
LOCATION	Liberal	COMPANY	Anadarko Petroleum
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	Land	DEPARTMENT	Cement
LEASE / WELL #	165 Fina B-2 H	SEC / TWP / RNG	29 34S 38 W

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
F. McDonald 119285			
B. O'Reilly 12263			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1500							Job Ready
	1645							Called for Job
	1730							on location Rig on Bottom Circulating
	1418							set up pump truck
	1725							Rig being Down D.P
	1855							start Spinning Cement Slab Equip
	1900							Clean Bottom
	1935							Hook up P/C & Circulating Train
	1940	3	9	✓				Start Circulating
	1950							Plug RH & MH
	1952							through Circulating
								Hook Up to Halliburton
								<u>Job Procedure 5 1/2 long string</u>
	2008	6	8	✓		0/300		Start Fresh water
	2010	6	10	✓		300		Start Super Flush
	2012	6	8	✓		300		Start Fresh water
	2014	6	103	✓		300/150		Start Lead Cement @ 11.1 #/gal
	2028	6	46	✓		150		Start Tail Cement @ 12.9 #/gal
	2034							through mixing cement
	2035							Shut Down / Release Plug
	2036							Start Displacement
	2039	6	74	✓		0/100		Start Displacement @ 37 Bbls out
	2080			✓		100/200		Start Displacement @ 37 Bbls out
	2110	3		✓		200/200		Slow Down Rate
				✓		200		msy Pressure Base Plug Levels
	2138			✓		1500		Plug Land
								Release Start
								Start held
								Circulated 15 Bbls to Pit
								26 sks to Pit
								Thank You for Calling Halliburton

RECEIVED  
 STATE CORPORATION COMMISSION  
 JAN 9 1998  
 CONSERVATION DIVISION

Danny & Crew