

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: NONE-WOPL & PROD EQUIP.

Operator Contact Person: DAVID W. KAPPLER

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

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: FEB 05 1999

Well Name: CONFIDENTIAL

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10-12-1998 10-20-1998 12-7-1998  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21764-9000

County SEWARD

C - SE - SE Sec. 32 Twp. 32 Rge. 32 X E

660 Feet from X (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name WATSON "C" Well # 1

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2804 KB \_\_\_\_\_

Total Depth 6100 PBDT 2784

Amount of Surface Pipe Set and Cemented at 1636 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 A.H. 1, 2-22-99 OR  
(Data must be collected from the Reserve Pit)

Chloride content 1200 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. \_\_\_\_\_

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  
Title DRILLING TECHNICAL ASSISTANT Date 2-5-99

Subscribed and sworn to before me this 5th day of February 19 99.

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  Other  
(Specify)  
**RELEASED**  
**MAY 08 2001**

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name WATSON "C" Well # 1

Sec. 32 Twp. 32 Rge. 32  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  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: CBL-CCL-GR, DIL, CNL-LDT, SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
CHASE	2602	
COUNCIL GROVE	2936	
HEEBNER	4194	
TORONTO	4228	
LANSING	4338	
MARMATON	4992	
CHEROKEE	5182	
MORROW	5510	
CHESTER	5634	
STE. GENEVIEVE	5834	
ST. LOUIS	5930	

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	1636	P+ MIDCON/ P+	335/100	3%CC, .1%FWCA, 1/2#SK FLC/2CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	2845	P+ MIDCON/ P+ MIDCON.	25/80	3%CC, 1/2#SK FLC/ 3%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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	2604-2620, 2639-2650, 2670-2680.	ACID: 1850 GAL 7-1/2% HCL.	2604-2680 (OA)
		FRAC: 16500 GAL FOAMED GEL & 35000#	2604-2650 (OA)	
		20/40 SD.		

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. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		260	60		

Disposition of Gas:  Vented  TO BE SOLD  Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_ Production Interval: 2604-2680 (OA)

FROM CONFIDENTIAL

REGION <b>North America</b>	NWA/COUNTRY <b>Med. G. - sent</b>	BDA / STATE <b>KS</b>	COUNTY <b>Seward</b>
MBU ID / EMP # <b>MC10101 @ 3601</b>	EMPLOYEE NAME <b>D. Mc Lane</b>	PSL DEPARTMENT <b>Zone 1 Isolation</b>	
LOCATION <b>Liberal</b>	COMPANY <b>Anadarko Petroleum Corp.</b>	CUSTOMER REP / PHONE <b>KCO</b>	
TICKET AMOUNT	WELL TYPE <b>02</b>	API / UWI #	
WELL LOCATION <b>Liberal</b>	DEPARTMENT <b>Zone 1 Isolation</b>	JOB PURPOSE CODE <b>010</b>	<b>FEB 05 1999</b>
LEASE / WELL # <b>Watson C-1</b>	SEC / TWP / RNG <b>32 32 32</b>		<b>CONFIDENTIAL</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>D. Mc Lane @ 3601</b>			
<b>S. Talc @ 0568</b>			
<b>P. Johnson @ 5602</b>			
<b>D. J. Yk @ 0263</b>			

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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
<b>420995</b>	<b>40</b>						
<b>54219-75374</b>	<b>40</b>						
<b>52935-72031</b>	<b>66</b>						
<b>52276-7649</b>	<b>66</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>10-12-98</b>	<b>10-13-98</b>	<b>10-13-98</b>	<b>10-13-98</b>
TIME	<b>2330</b>	<b>0200</b>	<b>0549</b>	<b>0700</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <b>Tussock 88</b>	<b>1</b>	<b>14</b>
Float Shoe		
Guide Shoe <b>Reg 8 1/4</b>	<b>1</b>	<b>0</b>
Centralizers <b>8 1/4</b>	<b>5</b>	
Bottom Plug		<b>W</b>
Top Plug <b>5 1/2 8 1/4</b>	<b>1</b>	
Head <b>pic 8 1/4</b>	<b>1</b>	<b>C</b>
Packer		
Other <b>Bucket 8 1/4</b>	<b>1</b>	<b>0</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>23</b>	<b>8 1/4</b>	<b>KB</b>	<b>1648</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>See Job Log</b>
				<b>RELEASED</b>
				<b>MAY 08 2001</b>
				<b>FROM CONFIDENTIAL</b>
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
<b>TREATED</b>	<b>AVERAGE RATES IN BPM</b>	<b>Overall</b>
	Disp.	
<b>FEET 412</b>	<b>CEMENT LEFT IN PIPE</b>	
	Reason	<b>Shoe Joint</b>

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	STATE	YIELD	LBS/GAL
	<b>335</b>	<b>21 med. G</b>	<b>B</b>	<b>3% CC, 1% SWCA, 1/2 #16 Flocc</b>	<b>KS</b>	<b>2.89</b>	<b>11.4</b>
	<b>100</b>	<b>500 pl.</b>	<b>B</b>	<b>3% CC, 1/2 #16 Flocc</b>	<b>KS</b>	<b>1.32</b>	<b>14.8</b>

**CONSERVATION DIVISION**  
Wichita, Kansas

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI Gal
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	<b>10.3</b>
	15 Min	Total Volume	Gal - BBI	<b>1.0 23.5</b>

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE  
*[Signature]*



**JOB LOG** 4239-5

TICKET #	382082	TICKET DATE	10-13-98
BDA / STATE	KS	COUNTY	SEWARD
PSL DEPARTMENT	2I	<b>ORIGINAL</b>	
CUSTOMER REP / PHONE			
API / UWI #			
JOB PURPOSE CODE	KCC 010		

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	0101 E0568	EMPLOYEE NAME	S. TATE
LOCATION	LIBERAL 025540	COMPANY	ANADARKO PET
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	LAND	DEPARTMENT	2I
LEASE / WELL #	WATSON C-1	SEC / TWP / RING	32-32S-32W

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
D McLane 63601			
S Tate E0568			
R Ferguson T0562			
D Fulk T0763			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg.	Csg.	
0230								C.O.
0200								O.L.
0230								R.O.U.P.
0349								RUN P.E.
0535								Hook To Pig Pump
0538								Start Circulation
0545								Stop Circulation
0548								Hook up to pump truck
								Tab Procedure for 8 1/2" Surface
0549								Pressure test Lines
0550	6	10		✓		9/200		Start Fresh water
0551	6	172.5		✓		200		Start Lead Cement
0624	6	235		✓		200		Start Tail Cement
0628								Thru mixing
0629								Shut Down Release plug
0630	6	103		✓		9/25		Start Displacement
0639				✓		75/200		Displacement Caught Cement
0645	2			✓		500/1250		Slow Down Rate 120 Bbls to Pit
0650	1			✓		350/370		Slow Down Rate in Bbls to Pit
0700				✓		350/200		Plug Landed
								Release Start
								Start hold

RECEIVED STATE COMMISSION

RELEASED  
MAY 08 2001

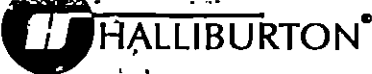
Circulated 30 BBS to Pit  
50 OBSERVATION UNIT  
Wichita, Kansas

10-23-98

FROM CONFIDENTIAL

Thank You For Calling Halliburton

Dennis J. Sprague (11/11)



JOB SUMMARY 4239-1

ORIGINAL

TICKET #	357993	TICKET DATE	10-21-98
BDA / STATE	KI	COUNTY	Seward
PSL DEPARTMENT	75		
CUSTOMER REP / PHONE	JIL 52458		KCC
AP1 / DWI #			
JOB PURPOSE CODE	035		FEB 0.5 1999

REGION	North America	NWA/COUNTRY	
MBU ID / EMP #		EMPLOYEE NAME	VJ19
LOCATION	LEO103 FH550	COMPANY	Tyce Davis
TICKET AMOUNT	10044	WELL TYPE	APC
WELL LOCATION		DEPARTMENT	02
LEASE / WELL	land	SEC / TWP / RNG	25

CONFIDENTIAL

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. Davis FH550			
J. Davis FH550			
J. Davis FH550			

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
7744	40						
75505	33						

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

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar	1	H
Float Shoe	1	
Guide Shoe	1	
Centralizers	8	
Bottom Plug	1	
Top Plug	1	
Head	1	
Packer	1	
Other		

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
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		

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
10-21-98 1330		10-21-98 1700	10-21-98 1800	10-21-98 2000

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	15.5	5 1/2	1.0	2.460	
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				CONSERVATION DIVISION Wichita, Kansas
TOTAL		TOTAL		

ORDERED \_\_\_\_\_ HYDRAULIC HORSEPOWER Avail. \_\_\_\_\_ Used \_\_\_\_\_  
 TREATED \_\_\_\_\_ AVERAGE RATES IN BPM Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
 FEET 117 CEMENT LEFT IN PIPE Reason S J

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	25	AP mix	5	37.00 1/4" Frac mix	322	
1	25	AP mix	5	"	322	
1	25	AP mix	5	"	322	

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI Gal _____
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI _____	25551
		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

ORIGINAL 381993

TICKET DATE  
1021-98  
COUNTY  
J.A.W. Co.

REGION North America	NWA/COUNTRY USA	BDA / STATE KS.	TICKET # 381993
MBU ID / EMP # MCL10103 FH550	EMPLOYEE NAME TYCE DAVIS.	PSL DEPARTMENT Z.F	KCC
LOCATION Liberton	COMPANY IAPC	CUSTOMER REP / PHONE J.P. STUCKE.	FEB 05 1999
TICKET AMOUNT	WELL TYPE 02	API / UWI #	JOB PURPOSE CODE 035
WELL LOCATION Lamp.	DEPARTMENT Z.F	CONFIDENTIAL	
LEASE / WELL # W. 4307 6-1	SEC / TWP / RNG 32-32-32		

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. DAVIS FH550			
D. MCINTYRE H208			
J. SWANSON J208			

CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1330							19114 out FOR JOB.
	1700							ON LOC KID L.D.D.P.
	1750							OUT OF HOLE W/ID.P. KID UP CURVES.
	1750							START 3/2 CSB & P.F.
	1850							CSB ON DEK Hook UP 3/2 P-1. & CIRC IRON.
	1900							BRK CIRC W/KID.
	1901							CIRC TO PIT
	1910							PLUG KID & MOOSE.
	1915							THRU CIRC Hook IRON to P.F.
	1920					5000		851 TEST LINES.
	1922	6.5	8		✓	250		PUMP H <sub>2</sub> O spacer
	1924	6.5	10		✓	250		PUMP SUPPL flush
	1926	6.5	8		✓	210		PUMP H <sub>2</sub> O spacer
	1927	6.5	14.3		✓	200		PUMP 255. RTMC 197 11.1 <sup>FF</sup> 1901
	1930	6.5	28.5		✓	150		PUMP 300 RTMC 174 12.5 <sup>FF</sup> 1901
	1935	0	69		✓	0		SPUT DOWN WASHUP & STOP PUMP
	1938	7.1	67		✓	100		PUMP DISP.
	1940	6.5	67		✓	200		45 bbls in L.F. CMT
	1948	6.5	67		✓	220		57 bbls in 510 PUFF.
	1950	6.5	67		✓	210		300 Laid pipe & test csg.
	1955	6.5	67		✓			REPLACE FLOAT - HELD.
	2000							JOB OVER

RECEIVED  
STATE CORPORATION COMMISSION  
FEB 9 1999  
CONSERVATION DIVISION  
Wichita, Kansas

RELEASED  
MAY 08 2001

FROM CONFIDENTIAL