

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: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW 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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

8-21-97 8-24-97 10-18-97
Spud Date Date Reached TD Completion Date

API NO. 15- 189-22234-0000

County STEVENS

SW - SW - NE - NE Sec. 17 Twp. 32 Rge. 37 X E W

1250 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 HOLT "A" Well # 2

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3141.3 KB _____

Total Depth 2900 PBTD 2872

Amount of Surface Pipe Set and Cemented at 675 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, 4-21-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 30000 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.

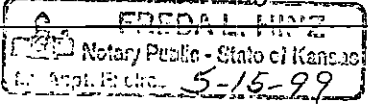
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
Title DRILLING TECHNICAL ASSISTANT Date 11-25-97

Subscribed and sworn to before me this 25th day of December 19 97.

Notary Public Freda L. Henry

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)

7350

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HOLT "A" Well # 2

Sec. 17 Twp. 32 Rge. 37 East West
 County STEVENS

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.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
GLORIETTA	1225-1438	
B/STONE CORRAL	1794	
HERINGTON	2594	
KRIDER	2604	
WINFIELD	2668	
TOWANDA	2718	

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	675	P+ MIDCON 2/ P+	100/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	2886	P+ MIDCON 2/ P+ MIDCON 2.	170/110	2%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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	
		1	2594-2603, 2646-2653, 2690-2696, 2730-2744, 2756-2772, 2844-2852.
		ACID: 2100 GAL 7% FeHCL.	2594-2852 (OA)
2	2786-2816.	FRAC: 22000 GAL FMD GEL & 123600# 12/20 SD FRAC: 20000 GAL FMD GEL & 79000# 12/20 SD. FRAC: 77000 GAL FMD GEL & 200000# 12/20 SD	2594-2852 (OA) 2594-2852 (OA) 2594-2852 (OA)
TUBING RECORD	Size 2-3/8 Set At 2560 Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Date of First, Resumed Production, SWD or Inj. 10-23-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 599	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Conmingled Other (Specify) _____ Production Interval 2594-2852 (OA)



JOB SUMMARY 4239-1

TICKET #	231808	TICKET DATE	8-21-97
BDA / STATE	K.S.	COUNTY	STEVENS CO.
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE			
API / UWI #			
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	MID CONTINENT
MBU ID / EMP #	LTD 105	EMPLOYEE NAME	STERLING RAINES H3377
LOCATION	LIBERAL K.S.	COMPANY	ANADARKO
TICKET AMOUNT		WELL TYPE	07
WELL LOCATION	HUGOTON K.S.	DEPARTMENT	CEMENT
LEASE / WELL #	1102 # 11-2	SEC / TWP / RING	17-32-37W

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
ROBERT ELWOOD 04320							
JEFF FROST 69775							

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

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
8-21-97	20:30	8-22-97	23:30	8-22-97	02:26
					0:256

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar	1	HOWCO
Float Shoe	1	
Guide Shoe	1	
Centralizers	4	
Bottom Plug	1	
Top Plug	1	
Head	1	
Packer	1	
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	NEW	2300	8 5/8	0	675	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	61	679	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	
				25% SURFACE
TOTAL		TOTAL		

ORDERED _____ HYDRAULIC HORSEPOWER Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM Disp. _____ Overall _____
 FEET 3895 CEMENT LEFT IN PIPE Reason SHOCK JOINT

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	100	PRMIDCON	BULK	370 cc, 1/4# FLOCCEL	3.22	2017
2	100	PREM1	BULK	370 cc, 1/4# FLOCCEL	1.32	6.3

Circulating _____ Displacement 40.84 _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal 40.64
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI 30.86
 Total Volume Gal - BBI 121.5

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE Steve Kiderous



JOB LOG 4239-5

TICKET # 231008	TICKET DATE 5-21-97
REGION North America	NWA/COUNTRY INDIA COMING
MBU ID / EMP # L20105	EMPLOYEE NAME STERLING RAINES (113377)
LOCATION LIBRARY R.S.	COMPANY ANADARKO
TICKET AMOUNT	WELL TYPE 02
WELL LOCATION HUKOTAN R.S.	DEPARTMENT CEMENT
LEASE / WELL # 11067 # A-2	SEC / TWP / RNG 17-32-37W
BDA / STATE K.S.	PSL DEPARTMENT 2 PMH 27
COUNTRY STAVENS CO.	CUSTOMER REP / PHONE
API / UWI #	JOB PURPOSE CODE 010

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS ROBERT ERWOOD 04300	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
JEFF PROST 69775			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
1	25:30							ON LOCATION
	01:16							SAFTY MEETING
	01:31							RUN CASING
	02:12							DROP BALL
	02:18							HOOK UP IRON TO RIG
	02:19							CIRCULATE WITH RIG
	02:26							START JOB
	02:27	3	5			100		H ₂ O LAHEAD
	02:30	6	57.35			150		LEAD CEMENT AT 11.1 PMDCON 376CC, 1/4# FLOCCLE
	02:38	6	23.51			150		TAIL CEMENT AT 14.8 PREM + 270 CC, 1/4# FLOCCLE
	02:42							SHUT DOWN WASH UP
	02:43							DROP PLUG
	02:48	7	40.64			150		DISPLACEMENT
	02:49	2	10			250		LAND PLUG
	02:50	2	1			700		BUMP PLUG
	02:50							RELEASE P.S.I. PLUG DID NOT HOLD
	02:52	2	3			500		PRESSURED UP ON CASING AGAIN
	02:52					500		SHUT IN JOB COMPLETE

CIRCULATED 34.87 SACKS OF CEMENT TO SURFACE

THANK YOU!

STERLING RAINES
ROBERT ERWOOD
JEFF PROST

1 100 100 100 100 100 100 100 100 100
2 100 100 100 100 100 100 100 100 100



JOB LOG 4239-5

TICKET #	234617	TICKET DATE	8-24-87
REGION	North America	NW/COUNTRY	MID CONTINENT
MBU ID / EMP #	LT 114 62573	BOA / STATE	KS
LOCATION	LIBERAL, KS	PSL DEPARTMENT	CEMENT
TICKET AMOUNT		CUSTOMER REP / PHONE	TIM BIRLOW
WELL LOCATION	N. HUGGON	API / UWI #	
LEASE / WELL #	HOLT A-2	JOB PURPOSE CODE	Q35-5 1/2 LONG STRING
		COMPANY	ANADARKO
		WELL TYPE	QZ-GAS
		DEPARTMENT	
		SEC / TWP / RNG	17-32S-37W

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	S. GRANT	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	L. PHILLIPS/118760	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS		HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	
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ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0730							ENTERED ROOM FOR JOB
	1130							TIME READY
	1100							PUMP TRUCK ON LOCATION / RIG WINING DOWN
	1425							DRILL PIPE / SET UP PUMP TRUCK
	59							D.P. LAYED DOWN
	1515							LAY DOWN R-H + M-H
	1700							START RUNNING 5/8 CSC + FLOAT EQUIPMENT
	1715							GASING ON BOTTOM 2887'
	1730							HOOK UP 5/8 PLG + CIRCULATING IRON
	1755							START CIRCULATING WITH RIG PUMP
								PLUG R-H + M-H WITH 25 SKS PT MIDWAY AT 12-8 1/4
								THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								JOB PROCEEDURE
	1806	5.0	8.0	✓		1250		PUMP 8 BALS FRESH WATER AHEAD
	1802	5.0	10	✓		250		PUMP 10 BALS SUPER FLUSH
	1804	5.0	8.0	✓		250		PUMP 8 BALS FRESH WATER SPACER
	1806	6.5	97	✓		1300		PUMP 170 SKS LEAD CMT AT 11.1 1/2 GAL
	18014		39.0	✓				MIX 110 SKS TAG CMT AT 12.8 1/2 GAL
	1828			✓				THROUGH MIXING CMT / SHUT (NOW)
	1830			✓				WASH OUT PUMP + LINES / RELEASE PLUG
	1830	6.0		✓		0/150		START INSOLVING
				✓				HAVE 25 BALS OUT / HAVE GOOD CMT RETURN
				✓				TO SURFACE
	1845		69.0	✓		525		MAX LIFT PRESSURE BEFORE LANDING PLUG
				✓		1150		PLUG DOWN / RELEASE FLOAT
								1 FLOAT HELD
								(CIRCULATED 42 BBL 73 SKS TO PIT)

THANK YOU FOR CALLING HALLIBURTON
 WOODY + SARA