

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

API NO. 15- 175-21753-00-00
County SEWARD
20' N OF _____ E
C - E/2 - NE - SE Sec. 11 Twp. 34 Rge. 34 X W

Operator: License # 4549

2000 Feet from S (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

330 Feet from E X (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name ADAMSON "A" Well # 5

Purchaser: ANADARKO ENERGY SERVICES

Field Name IRIS

Operator Contact Person: DAVID W. KAPPLE

Producing Formation MORROW

Phone (316) 624-6253

Elevation: Ground 2892.5 KB _____

Contractor: Name: CHEYENNE DRILLING

Total Depth 6650 PBDT 6115

License: 5382

Amount of Surface Pipe Set and Cemented at 1679 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover

If yes, show depth set _____ Feet

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.
X Gas _____ ENHR _____ SIGW
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover:

Drilling Fluid Management Plan AH-1 1-20-99 USC
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 1000 ppm Fluid volume 700 bbls

Well Name: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

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

Operator Name _____

Lease Name _____ License No. _____

9-28-98 10-8-98 11-16-98

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

Spud Date Date Reached TD Completion Date

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 1-7-99

Subscribed and sworn to before me this 7th day of January
19 99.

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)

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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name ADAMSON "A" Well # 5

Sec. 11 Twp. 34 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 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, CNL-LDT, BHC SONIC,
 ML.

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample		
Name	Top	Datum
CHASE	2667	
COUNCIL GROVE	2988	
HEEBNER	4276	
TORONTO	4306	
LANSING	4430	
MARMATON	5100	
CHEROKEE	5459	
MORROW	5769	
CHESTER	6069	
STE. GENEVIEVE	NOT PRESENT	
ST. LOUIS	6493	

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	1679	P+ MIDCON 2/ PREM PLUS	380/100	3%CC, .1%FWCA, 1/2#SK FLC/2%CC 1/2#SK FLC
PRODUCTION	7-7/8"	5-1/2"	15.5	6628	50/50 POZ/ 50/50 POZ	25/160	.75% HALAD 322, 10% SALT, 1/2#SK FLC/SAME.

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
1/1.5	6407-6420, 6429-6466, CIBP @ 6125.	ACID: 2500 GAL 7 1/2% HCL.	6407-6466 (OA)
2	6025-6031, 6035-6047.	ACID: 900 GAL 7 1/2% HCL.	6025-6047 (OA)
		FRAC: 39400 GAL FOAMED GEL & 87000# 16/30	6025-6047 (OA)
		SD.	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj. 1/6/99 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 8000 Mcf	Water 32 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 6025-6047 (OA)

JOB SUMMARY 4239-1

TICKET # **382078** TICKET DATE **9-29-98**

REGION North America	NWA/COUNTRY MID CENTRAL	BDA / STATE KS	COUNTY SEWARD
MBU ID / EMP # MCLT 0121 E0568	EMPLOYEE NAME S. TATE E0568	PSL DEPARTMENT Z.I.	ORIGINAL
LOCATION 025540 LIBERTY KS	COMPANY ANADARKO Pet.	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE 01	API / UWI #	
WELL LOCATION N/ADIRWAY KS	DEPARTMENT Z.I.	JOB PURPOSE CODE 010	
LEASE / WELL # ADams Well A-5	SEC / TWP / RNG 11-34S-34W		

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 E3601							
S. TATE E0568							
J. TATE H4569							

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54038 77941	18						
420995	18						
52947 6611	64						
52276 7649	64						

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
	9-29-98	9-29-98	9-29-98	9-29-98
TIME	0355	0700	1121	1240

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar insert 8 5/8	1	Howco
Float Shoe Full T.L.B.	1	"
Guide Shoe Rel 8 5/8	1	Howco
Centralizers rog "	5	"
Bottom Plug		
Top Plug 5W "	1	"
Head		
Packer		
Other Basket "	1	"

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	new	23#	8 5/8	KB	1694	
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	In
Pertpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason
39.71		Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	382	mc3	Bulk	32cc, 1/2 FLD, 1/2 FLD	2.87	11.4
2	100	PF	"	25cc, 1/4 FLD	1.32	14.8

Circulating Breakdown	Displacement	Preflush:	Gal - BBI	Type H=O
Average	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	Frac Gradient	Treatment	Gal - BBI	Disp: BBI Gal 105
5 Min	15 Min	Cement Slurr	Gal - BBI	LC 195.5 - 235 BBL F.C.
		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: *Jan [Signature]*

JOB SUMMARY 4239-1

TICKET # 384199
TICKET DATE 10-10-98

REGION: North America
NWA/COUNTRY: Mid CONTINENT
BDA / STATE: KS
COUNTY: SEWARD
 MBU/D/EMP #: 1-104 62573
EMPLOYEE NAME: JOHN WOODROW
PSL DEPARTMENT: ZONAL ISOLATION
 LOCATION: LIBERAL KS
COMPANY: ANADARCO PETROLEUM
CUSTOMER REP / PHONE: ORIGINAL
 WELLS TYPE: 02
API / UWI #: 035-5/2 LONG STRING
 WELL LOCATION: 11 LIBERAL
DEPARTMENT: CEMENT
 LEASE/WELL: ADAMSON A-5
SEC / TWP / RING: 11-34S-34W

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. WOODROW 62573			
A.L.O L140 M6960			
A. FISKEW 35602			
S. GRANT 114639			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218/76900	16						
52823/6610	32						

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 INSERT 5/2	1	
Guide Shoe	1	O
Centralizers REG 5/2	1	O
Bottom Plug 5-91 5/2	12	
Top Plug 5-60	1	
Head	1	
Packer P/G	1	C
Other		O

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		

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
10-9-98	1830	10-9-98	10-9-98	10-10-98	10-10-98

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5/2	66	6600	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

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

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	15	PREM 4/20 PR A		2.8 TOTAL GEL 75% HLLD 322, 10% SALT, 1% FLOCC	3.00	10.5
	160	PREM 3/30 PR B		2.8 TOTAL GEL 75% HLLD 322, 1% FLOCC	1.28	14.4

Circulating	Displacement	Preflush:	Gal (BB)	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	26
Average	Frac Gradient	Treatment	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min	Cement Slurr	Gal (BB)	Disp (BB) Gal
	15 Min	Total Volume	Gal - BBI	157

11-07 SUPCE 10.5
235 LC 367 TG