

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

API NO. 15- 189-22293-0000
County STEVENS
APPX- SW - SW - SE Sec. 25 Twp. 32 Rge. 38 X W

Operator: License # 4549

350 Feet from X (S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

2300 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 CHARITY "A" Well # 2

Purchaser: ANADARKO ENERGY SERVICES 9-24-98

Field Name PANOMA

Operator Contact Person: DAVID W. KAPPLER

Producing Formation COUNCIL GROVE

Phone (316) 624-6253

Elevation: Ground 3153.6 KB _____

Contractor: Name: CHEYENNE DRILLING

Total Depth 3180 PBTD 3143

License: 5382

Amount of Surface Pipe Set and Cemented at 647 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, 9-29-98 U.C.
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 5200 ppm Fluid volume 400 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 _____ PBTD
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

7-6-98 7-9-98 7-28-98
Spud Date Date Reached TD Completion Date

_____ 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.

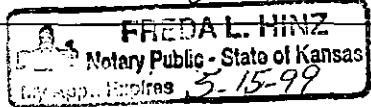
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey
Title DRILLING TECHNICAL ASSISTANT Date 9-22-98

Subscribed and sworn to before me this 22nd day of September 19 98.

Notary Public Freda L. Hinz

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C X Wireline Log Received
C _____ Geologist Report Received
Distribution
X KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION

Lease Name CHARITY "A"

Well # 2

Sec. 25 Twp. 32 Rge. 38
 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, DIL, CNL-LDT.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
B/STONE CORRAL	1754	
CHASE	2526	
COUNCIL GROVE	2860	

CASING RECORD							
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	647	P+ MIDCON 2/ PREM PLUS	120/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	3180	MIDCON 2/ MIDCON 2.	190/100	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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		Amount	Depth
2	2780-2900.	ACID: 1500 GAL 7% FEHCL.	2870-2900
		FRAC: 65700 GAL FOAMED GEL & 147000#	2870-2900
		12/20 SD.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2851		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
8-7-98	<input type="checkbox"/> Flowing <input checked="" 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
		400			

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: 2870-2900



ORIGINAL

JOB SUMMARY

TICKET # **383092** TICKET DATE **7-8-98**

REGION North America	NW/COUNTRY Mid CONTINENT	BDA / STATE KS	COUNTY STEVENS
MBU ID / EMP # LE104 62573	EMPLOYEE NAME JOHN WOODROW	PSL DEPARTMENT ZONAL ISOLATION	
LOCATION MICHAELSON'S	COMPANY ANADARKO PET	CUSTOMER REP / PHONE STEVE RIDENOUR	
TICKET AMOUNT \$ 8116.08	WELL TYPE 02	API / UWI # 15-189-22293	
WELL LOCATION N HUGOTON	DEPARTMENT CEMENT	JOB PURPOSE CODE 030- 8 7/8 SURFACE	
LEASE / WELL # CHARITY "A-2"	SEC / TWP / RNG 25-32S-38W		

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
S. GRANT H4639	7.5						
D. FULK J0763	7.5						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
53554/76900	72						
52276/7649	7						

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
7-6-98	2000	7-6-98	2300	7-7-98
TIME				0530

TOOLS AND ACCESSORIES

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

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23	8 7/8	GL		
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						
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	
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET 47	CEMENT LEFT IN PIPE	Reason SHOE JOINT

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	120	pt micron	B	38CC 1/4 Flocell	3.22	11.1
	100	pt	B	28CC 1/4 Flocell	1.32	14.8

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 68.1C 23.5 TC	
		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
[Signature]



JOB LOG 4239-5

ORIGINAL

TICKET # 383092 TICKET DATE 7-6-78

REGION North America	NWA/COUNTRY MID CONTINENT	BDA / STATE KS	COUNTY STEVENS
MBU ID / EMP # L5104 62573	EMPLOYEE NAME JOHN WOODROW	PSL DEPARTMENT ZONAL ISOLATION	
LOCATION HALLIBURTONS	COMPANY ANADARKO PET	CUSTOMER REP / PHONE STEVE RIDGEMAN	
TICKET AMOUNT \$ 8616.08	WELL TYPE O2	API / UWI # 15-189-22293	
WELL LOCATION AT HUGGONN	DEPARTMENT CEMENT	JOB PURPOSE CODE C.I.D. 8 3/8 SURFACE	
LEASE / WELL # CHARRI A-2	SEC / TWP / RNG 25-325-38W		

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
G. GRANT H4637 1/2 1/2	D. FULK J074 3/6 1/2		

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0000							JOB READY CALLED OUT FOR JOB
	2300					7.5 7.0		PUMP TRUCK ON LOCATION / HAVE PRE JOB SITE ASSESSMENT MEETING / SPOT PUMP TRUCK / RIG UP / RIG STILL DRILLING
	0130							RIG THROUGH DRILLING / ON BOTTOM CIRCULATING
	0230							TRIP OUT DRILL PIPE /
	0330							START RUNNING 8 3/4 SURFACE CSG + FLT EQUIP
	0430							CASING ON BOTTOM 647' HOOK UP 8 3/4 P/C + CIRCULATING FROM
	0440 0450							START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								JOB PROCEDURE
	0456	7.5	86				1182	START MIXING LEAD CMT AT 11.1 GAL
	0510		23.5				178	MIX TAIL CMT AT 24.2 GAL
	0515 0516		109 6.0				68	THROUGH MIXING CMT / SHUT DOWN RELEASE PLUG / START DISPLACING (HAVE 30 BBL'S OUT) HAVE CMT RETURNS TO SURFACE
	0530		41.0					PLUG DOWN / RELEASE FLOAT FLOAT HELD CIRCULATED (10 BBL'S 20 STS TO PIT) ✓
								THANK YOU FOR CALLING HALLIBURTON
								WOODY & CREW



ORIGINAL

JOB SUMMARY

ORDER NO. 70006

TICKET #	383978	TICKET DATE	7-10-98
BDA / STATE	Ks	COUNTY	STEVENS
PSL DEPARTMENT	21	CUSTOMER REP / PHONE	Jim Barlow
API / UWI #	15-189-222930000	JOB PURPOSE CODE	035

REGION	North America	NWA/COUNTRY	MidCont USA
MBU ID / EMP #	MCL10110 H3115	EMPLOYEE NAME	Nick Karbe
LOCATION	Liberal	COMPANY	Anadarko Pet. Corp
TICKET AMOUNT	\$11715.05	WELL TYPE	02
WELL LOCATION	NW of Hugoton	DEPARTMENT	Cement
LEASE / WELL #	Charity A-2	SEC / TWP / RNG	25-32S-38W

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
N. Karbe H3115	7						
S. Tate E0568	7						
B. Humphries J6170	7						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420049	80						
52947/75496	80						
5338/25817	12						

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
7-10-98	0130	7-10-98	0900	1000

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar <i>insert</i>	1	H
Float Shoe <i>filltube</i>	1	H
Guide Shoe <i>guide</i>	1	O
Centralizers <i>S-4</i>	15	W
Bottom Plug		
Top Plug <i>S-W</i>	1	L
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	155	5 1/2	0	3182	3000
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	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
7-10-98	6 hrs	7-10-98	1 hrs	035
TOTAL	6 hrs	TOTAL	1 hrs	

HYDRAULIC HORSEPOWER
 ORDERED _____ Avail. _____ Used _____
 TREATED _____ AVERAGE RATES IN BPM
 Disp. _____ Overall _____
 FEET 34' CEMENT LEFT IN PIPE Reason *sh jt*

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
L	190	MidCon P.P.	B	2% CC, 1/4" floccle	3.22	11.1
T	100	MidCon P.P.	B	2% CC, 1/4" floccle	2.00	12.8

Circulating Breakdown	Displacement Maximum	Preflush: Gal - BBI	Type
Average	Frac Gradient	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Shut In: Instant	5 Min 15 Min	Treatment Gal - BBI	Disp: BBI - Gal 75
		Cement Slurr Gal - BBI 145	
		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 *[Signature]*



ORIGINAL

JOB LOG

ORDER NO. 70006

TICKET #	383978	TICKET DATE	7-10-98
REGION	North America	NWA/COUNTRY	MidCont USA
MBU ID / EMP #	MCL10110 H3115	BDA / STATE	Ks
LOCATION	Liberal	PSL DEPARTMENT	21
TICKET AMOUNT	\$11715.05	COMPANY	Amadarko Pet Corp
WELL LOCATION	NW of Hugoton	CUSTOMER REP / PHONE	Jim Barlow
LEASE / WELL	Charity A-2	WELL TYPE	02
		API / UWI #	15-109-222930000
		DEPARTMENT	Cement
		JOB PURPOSE CODE	086 334
		SEC / TWP / RNG	25-32S-38W

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
Ni Korbe H3115	7						
S Tate E0568	7						
B. Humphries J6170	7						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0130							called out
	0430							on loc held safety mtg setup Trk
								rig laying down D.P.
	0530							prime Trk
	0700							start FE
	0810							drop ball
	0820							Break circ
	0830	1	3			0		Plug RH 15 sks MidCon PP 12.8"
	0835	1	2			0		Plug MH 10 sks MidCon PP 12.8"
	0852	5	0			200		st. Pro flushes wtr
	0854	5	8/0			200		superflush
	0856	5	10/0			225		wtr
	0858	6	8/0			250		st L cont. 190 sks MidCont 11.1"
	0920	6	109/0			200		st T cont 100 sks MidCon PP 12.8"
	0926		36					end cont
	0927							wash pump line
	0929							release plug
	0931	7	0			200		start dist
	0937	6	38			300		catch cement
	0949	2	75			550/950		Bump Plug
	0951	05				3000		pres csg release pres float held

OILFIELD SERVICES
 VICTOR L. KENNEDY
 201-261-7333
 201-261-7334

washup Trk
 tackup Trk
 Job complete
 Thank you
 Nick, Soony, Buck