

CONFIDENTIAL

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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: CHEYENNE DRILLING

License: 5382

Wellsite Geologist: _____

Designate Type of Completion FROM CONFIDENTIAL

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

Comingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

4-2-97 4-11-97 5-5-97

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21613-00-00

County SEWARD

- C - NE - NE Sec. 5 Twp. 34 Rge. 31 X E W

660 Feet from (X) (circle one) Line of Section

660 Feet from (X) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(NE) SE, NW or SW (circle one)

Lease Name MCCLURE "I" Well # 1

Field Name ARKALON

Producing Formation MORROW

Elevation: Ground 2592.8 KB _____

Total Depth 6250 PBT 5945

Amount of Surface Pipe Set and Cemented at 1597 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 ALT 1 9/8 5-15-98

(Data must be collected from the Reserve P X)

Chloride content 1300 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite:

rec'd 7-17-97

Operator Name KCB

Lease Name _____ License No. _____

1 Quarter 5 Sec. 1 Twp. 34 S Rng. 31 E/W

County SEWARD Docket No. _____

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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 7-15-97

Subscribed and sworn to before me this 15th day of July 19 97.

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 Plug Other
(Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name MCCLURE "1" Well # 1

Sec. 5 Twp. 34 Rge. 31 East West County SEWARD

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, DIMLL, CNL-LDT-ML,

Name	Top	Datum
CHASE	2483	
COUNCIL GROVE	2902	
HEEBNER	4175	
TORONTO	4212	
LANSING	4344	
MARMATON	5034	
CHEROKEE	5230	
MORROW SHALE	5572	
CHESTER	5714	
STE. GENEVIEVE	6035	
ST. LOUIS	6148	

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	1597	P+ MIDCON 2/ P+	375/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6010	VERSASET	105	.6% HALAD 322, 5%, KCL, .9% VERSASET, 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
3	5690-5702.	ACID: 600 GAL 7 1/2% FeHCL.	5690-5702
		FRAC: 17200 GAL FOAMED GLD KCL WTR &	5690-5702
		59600# 16/30 SD.	

TUBING RECORD Size 2 3/8 Set At 5680 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 5-14-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		304	10		

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 5690-5702

ORIGINAL

ANADARKO PETROLEUM CORPORATION
McCLURE #1 Z-1
SECTION 5-T34S-R31W
SEWARD COUNTY, KANSAS

CONFIDENTIAL

15-175-21613

COMMENCED: 04-02-97
COMPLETED: 04-13-97

RELEASED

SEP 28 1999

SURFACE CASING: 1586' OF 8 5/8" CMTD
W/215 SKS PREMIUM PLUS MIDCON + 3% CC
+ 1/4 #/SK FLOCELE. TAILED IN W/100 SKS
PREMIUM PLUS + 2% CC + 1/4 #/SK FLOCELE.

FROM CONFIDENTIAL

FORMATION

DEPTH

SURFACE HOLE

0 - 1587

RED BED

1587 - 2514

LIMESTONE & SHALE

2514 - 6250 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.



WRAY VALENTINE

RECEIVED
KANSAS CORP COMM
1997 JUL 17 A 11:16

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 16TH DAY OF APRIL, 1997.

JOLENE K. RUSSELL


NOTARY PUBLIC



KCC

JUL 15

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REGION North America	NWA/COUNTRY MID CONTINENT USA	BDA / STATE MID CONTINENT KS	COUNTY SEWARD
MBU ID# EMP # 11104 42078	EMPLOYEE NAME JASON NICHOLAS	PSL DEPARTMENT CEMENT	ORIGINAL
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE OR	API / UWI #	
WELL LOCATION 5-345-R311J	DEPARTMENT CEMENT 5001	JOB PURPOSE CODE	
LEASE / WELL # MICURE H-1	SEC / TWP / RNG 5-345-R311J		

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. NICHOLAS 02:00			
J. NICHOLAS 02:57			
E. CHAMBERS 14:43			
C. PATTON 1:11			

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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1430							Called out -
	1445							ON LOCATION - DRILLING
								RELEASED
								SEP 28 1999
	2113							Rig up to circulate to pit
								FROM CONFIDENTIAL
	2134	5.4	163			0/120		Pump LEAD CEMENT - 11.1#
	2204	4.7	23.5			100/150		Pump TAIL CEMENT - 14.8#
	2209							SHUT DOWN - DROP PLUG
	2210	5.5	99.78			0/750		Pump Displacement - H ₂ O
	2226					100/252		PLUG SLOW DOWN
	2228							PLUG LANDED - FLOAT HELD.
								Circulated 104565 CEMENT TO RT.

THANK YOU FOR
CALLING HALLIBURTON

JUL 15
CONFIDENTIAL

01 17 11 10 11
 11 17 11 10 11
 11 17 11 10 11
 11 17 11 10 11



JOB SUMMARY 4239-1

TICKET # 183880 TICKET DATE 4-13-97

REGION North America NWA/COUNTRY MID CONTINENT USA BDA/STATE MID CONTINENT KS COUNTY SEWARD
MBU ID/EMP # L1104 62098 EMPLOYEE NAME JASON NICHOLAS PSL DEPARTMENT CEMENT
LOCATION L. BERAL COMPANY ANADARKO PETROLEUM CUSTOMER REP / PHONE JR. STUCK
TICKET AMOUNT WELL TYPE 02 API / UWI #
WELL LOCATION DEPARTMENT CEMENT 5001 JOB PURPOSE CODE 035 ORIGINAL
LEASE / WELL # McCLURE H-1 SEC / TWP / RNG 5 34S 31W

Table with 4 columns: HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS. Entries include J. NICHOLAS 62098, J. WOODROW 62513, E. CHANCE 413156, G. ASHLEY 44601.

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Table with 8 columns: HES UNIT NUMBERS, R/T MILES. Entries include 420044 (32), 53551-76400 (32), 51981-77031 (88).

FROM CONFIDENTIAL

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

Table with 5 columns: DATE, CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes times like 0500, 0700, 1258.

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY, MAKE. Includes Float Collar, Float Shoe, Guide Shoe, etc.

WELL DATA table with columns: NEW/USED, WEIGHT, SIZE, FROM, TO, MAX ALLOW. Includes Casing, Liner, Tbg/D.P., etc.

MATERIALS table with columns: Treat Fluid, Disp. Fluid, Prop. Type, Acid Type, Surfactant, NE Agent, Fluid Loss, Gelling Agent, etc.

HOURS ON LOCATION and OPERATING HOURS tables with columns: DATE, HOURS. Includes handwritten 'JUL 15' and 'CONFIDENTIAL'.

HYDRAULIC HORSEPOWER and AVERAGE RATES IN BPM tables with columns: ORDERED, TREATED, FEET, Avail., Disp., Reason.

CEMENT DATA table with columns: STAGE, SACKS, CEMENT, BULK/SKS, ADDITIVES, YIELD, LBS/GAL. Includes 1st and 2nd stage data.

Circulating Breakdown, Average, Shut In: Instant, Displacement, Maximum, Frac Gradient, 5 Min, 15 Min, Preflush, Load & Bkdn, Treatment, Cement Slurr, Total Volume, Type SUPER FLUSH, Pad: BBI - Gal, Disp: BBI Gal 1425.

Frac Ring #1, #2, #3, #4. THE INFORMATION STATED HEREIN IS CORRECT. CUSTOMER'S REPRESENTATIVE SIGNATURE.

REGION North America	NWA/COUNTRY USA	BDA/STATE TX	COUNTY DALLAS
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT CONFIDENTIAL	JOB PURPOSE CODE	ORIGINAL
LEASE / WELL #	SEC / TWP / RNG		

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (Psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0500							CALLED OUT -
	0700							ON LOCATION - LDDP. RELEASED
	1100							Run casing - 5 1/2 15.50 # SEP 20 1999
	1258							Rig up circulate to PIT -
	1340	5.2	8			0/400		Pump 8 BBL H ₂ O
		"	10			"		10 BBL SUPERFLUSH FROM CONFIDENTIAL
		"	8			"		8 BBL H ₂ O
	1345							SHUT DOWN
	1348	.9	5.2			0/50		Pump CEMENT RAT & MOUSE HOLES - 15.6 #
	1354							SHUT DOWN
	1356	6.6	26.4			0/300		Pump CEMENT - 14.5 #
	1400							SHUT DOWN - CLEAN PUMPS & LINES - DROP PLUG
	1405	6.0	142.5			0/1250		Pump DISPLACEMENT - 142.5 LOST CIRCULATION 117.057 GOT BACK 134
	1429							PLUG LANDED - FLOAT HELD

RECEIVED
 JUL 17 4 11 PM '99
 HALLIBURTON

THANK YOU FOR CALLING HALLIBURTON

NICHOLAS
WOODROW
CRANE
ASHLEY

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