

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15- 175-21724 ⁰⁰⁰⁰ ORIGINAL
County SEWARD
30'S & 30'E OF _____ E
C - NW - NW - NW Sec. 31 Twp. 34 Rge. 32 X W

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. KAPPL

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING **KCC**

License: 5382

Wellsite Geologist: AUG 26

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: _____

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. _____

5-7-98 5-16-98 6-23-98
Spud Date Date Reached TD Completion Date

350 Feet from (circle one) Line of Section

350 Feet from (circle one) Line of Section

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

Lease Name BLACKMER "A" Well # 4

Field Name CONDIT

Producing Formation CHESTER

Elevation: Ground 2774.5 KB _____

Total Depth 6640 PBT 6410

Amount of Surface Pipe Set and Cemented at 1607 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 ACT 1 DPW 8-14-98
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKEILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name AUG 26 1998 **KCC** 827-98

Lease Name _____ License No. _____

Quarter SE Sec. _____ Twp. _____ S Rng. _____

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 08/26/98

Subscribed and sworn to before me this 26th day of August 19 98.

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
RELEASED
(Specify)
MAY 07 2000
Form ACO-1 (7-91)

FROM CONFIDENTIAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name BLACKMER "A" Well # 4
 Sec. 31 Twp. 34 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: STL-CCL-GR, DIL-MLL, CNL-LDT-ML.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2614	
COUNCIL GROVE	2966	
HEEBNER	4320	
TORONTO	4352	
LANSING	4494	
MARMATON	5186	
CHEROKEE	5435	
MORROW	5788	
CHESTER	6032	
STE. GENEVIEVE	6390	
ST. LOUIS	6550	

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	1607	CLASS C/ CLASS C.	335/100	3%CC, %SK FLC/ 2%CC, %SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6640	50/50 POZ/ 50/50 POZ.	50/260	.75% HALAD 322, 10% SALT, %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	
4	6550-6561, CIBP @ 6410.	ACID: 825 GAL 15% HCL.	6550-6561
3	6324-6332, 6347-6358.	ACID: 950 GAL 7% HCL.	6324-6358 (OA)
		FRAC: 11500 GAL FOAMED GEL & 690# 16/30 SD.	6324-6358 (OA)
		FRAC: 49137 GAL FOAMED GEL & 136505# 16/30 SD.	6324-6358 (OA)
		FRAC: 29000 GAL GEL & 40000# 16/30 SD.	6324-6358 (OA)

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	6360		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 6-26-98		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 3 Bbls.	Gas 65 Mcf	Water 8 Bbls.	Gas-Oil Ratio 21667 Gravity NA

Disposition of Gas: _____ METHOD OF COMPLETION _____ Production Interval _____
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
 (If vented, submit ACO-18.) Other (Specify) _____ 6324-6358 (OA)

Schlumberger

Dowell

Anadarko Petroleum Corp.

**Blackmer "A"-4
SEC 31-34S-32W
Seward County, Ks**

KCC

AUG 26

CONFIDENTIAL

CONFIDENTIAL

Post Job Report

**Prepared for: Mr. Ike Eisenhauer
Job Type: 5 1/2 Longstring
Job Date: May 18, 1998
SIR #: 20060157**

Job Summary:

Pipe was set at 6640 feet with the float at 6595 feet. We pumped, 12 barrels of fresh water, the 16 barrels CW100 followed by 12 more of fresh water. We then pumped 50 sacks 50/50 Poz/H+D20+D44+D60+D29(58bbl. 6.55 yield) as a scavenger, then 260 sacks(59bbl, yeild 1.29) of the same blend for the main slurry. We displaced with 158 barrels water. Plug was bumped to 3300 psi. Calculated lift pressure was 800 psi with an actual pressure of 840 psi. Good circulation was maintained throughout the job. ✓ Plug was down at 1320 hours.

Thank you for using Dowell

KCC

AUG 26 1998

CONFIDENTIAL

Dowell Supervisor: Charley King
Service point: Ulysses, Kansas
204 S. Missouri St.
67880
Business phone: (316)356-1272
Fax (316)356-1911

RECEIVED
KANSAS CORP CO. 11
1998 AUG 27 A 11:12

RELEASED

MAY 07 2000

FROM CONFIDENTIAL

ORIGINAL

Fluid Systems:

CONFIDENTIAL

System: Wash 16bbbls CW100

Density: Thickening Time:
 Yield: ft³/sk Viscosity:
 H2O: 0 Break Time:
 Eq. Sack Weight: 0 lb

Dowell Code	Conc/ Amount	Unit	Total Quantity

System: Cement 310 sks 50/50 Poz/H+D20+D44+D60+D29

Density: 14.6 lb/gal Thickening Time:
 Yield: 1.29 ft³/sk Viscosity: cp
 H2O: 1767 gal Break Time:
 Eq. Sack Weight: 86.5 lb

Dowell Code	Conc/ Amount	Unit	Total Quantity
D029	0.25	lbs/sk	77.5
D044	10	% BWOW	1473.678
D060	0.75	% BWOB	201.1125
D020	2	% BWOB	536.3
D132	155	sacks	155
D909	155	sacks	155

KCC
 AUG 26 1998
 CONFIDENTIAL

RELEASED

MAY 07 2000

FROM CONFID

ORIGINAL

Schlumberger Dowell

Anadarko Petroleum Corp:

**Blackmer "A"-4
SEC 31-34S-32W
Seward County, Ks**

Post Job Report

KCC

AUG 26 1998

CONFIDENTIAL

**Prepared for: Mr. Jim Barlow
Job Type: 8 5/8 Surface
Job Date: May 8, 1998
SIR #: 20057438**

CONFIDENTIAL

Job Summary:

Pipe was set at 1622 feet with the float at 1578. We pumped, 5 barrels of fresh water ahead. We then pumped 355 sacks Class C+D79+D46+D29(203bbl. 3.22 yield) Lead, then 100 sacks Class C+S1+D29(24bbl. Yield 1.32) Tail. We displaced with 101 barrels water. Plug was bumped to 990 psi.

Calculated lift pressure was 306 psi with an actual pressure of 325 psi.

18 barrels (31 sacks) were circulated to the pit.

Good circulation was maintained throughout the job. ✓

Thank you for using Dowell

**Dowell Supervisor: Charley King
Service point: Ulysses, Kansas
204 S. Missouri St.
67880
Business phone: (316)356-1272
Fax: (316)356-1911**

RELEASED

MAY 07 2000

FROM CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

Fluid Systems:

System: Tail 100 sks C+S1+D29

Density:	14.8	lb/gal	Thickening Time:	
Yield:	1.32	ft ³ /sk	Viscosity:	cp
H2O:	636	gal	Break Time:	
			Eq. Sack Weight:	94 lb

Dowell Code	Conc/ Amount	Unit	Total Quantity
D029	0.25	lbs/sk	25
S001	2	% BWOB	188
D903	100	sacks	100

System: Lead 355 sks C+D79+D48+D29

Density:	11.1	lb/gal	Thickening Time:	
Yield:	3.22	ft ³ /sk	Viscosity:	cp
H2O:	7206.5	gal	Break Time:	
			Eq. Sack Weight:	94 lb

Dowell Code	Conc/ Amount	Unit	Total Quantity
D029	0.25	lbs/sk	88.75
D048	0.2	% BWOB	66.74
D079	3	% BWOB	1001.1
D903	355	sacks	355

KCC
AUG 26 1998
CONFIDENTIAL

RELEASED
MAY 07 2000
FROM CONFIDENTIAL