

ORIGINAL

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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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO TRADING COMPANY

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING COMPANY

License: 5382

Wellsite Geologist: _____

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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2-3-97 2-5-97 3-14-97
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21,491-00-00

County MORTON

NE - NE - SW - SE Sec. 29 Twp. 34 Rge. 39 X W E

1250 Feet from X(S) (circle one) Line of Section

1390 Feet from (E)X (circle one) Line of Section

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

Lease Name HAYWARD "J" Well # 3

Field Name PANOMA COUNCIL GROVE

Producing Formation COUNCIL GROVE "A"

Elevation: Ground 3317.1 KB _____

Total Depth 3140 PBSD 3089

Amount of Surface Pipe Set and Cemented at 544 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 12-24-97 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 15,100 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. _____

RECEIVED
KANSAS CORP COM
MORTON CO
APR 25 4 11 PM '97

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 4-24-97

Subscribed and sworn to before me this 24 day of April 19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Exp. 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)

ORIGINAL
SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HAYWARD "J" Well # 3

Sec. 29 Twp. 34 Rge. 39 East County MORTON
 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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: <p style="text-align: center;">CCL-GR-CBL</p>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>GLORIETTA</td> <td>1260 - 1436</td> <td></td> </tr> <tr> <td>B/STONE CORRAL</td> <td>1770</td> <td></td> </tr> <tr> <td>CHASE</td> <td>2580</td> <td></td> </tr> <tr> <td>KRIDER</td> <td>2604</td> <td></td> </tr> <tr> <td>WINFIELD</td> <td>2684</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2916</td> <td></td> </tr> </table>	Name	Top	Datum	GLORIETTA	1260 - 1436		B/STONE CORRAL	1770		CHASE	2580		KRIDER	2604		WINFIELD	2684		COUNCIL GROVE	2916	
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CASING RECORD							
Report all strings set-conductor, surface, intermediate, production, etc.							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
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	544	CLASS C	100/100	3%CC D29, 2%D46, 2% SALT & 1/4 PPS D29/ 2% SALT+1/4 PPS D29
PRODUCTION	7-7/8"	5-1/2"	15.5	3126	CLASS C	200/100	3% D79, 2%D46, 2%CC, 1/4#SK FLC/ 3% D79, 2%D46, 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	
	2	2930-70		ACID: 2000 GAL 15% FEHCL
			FRAC: 61,631 GAL N2 FOAMED X-LNKD GEL/	
			170,000# 12/20 SND	2930-70

TUBING RECORD	Size 2 3/8	Set At 2973	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 3-21-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 137	Water Bbls. 36	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. Commingled Other (Specify) _____ Production Interval 2930-70