

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: NATIONAL COOPERATIVE REFINING ASSOCIATION

Operator Contact Person: CRAIG R. WALTERS, P.E.

Phone (316) 624-6253

Contractor: Name: _____

License: _____

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: ANADARKO PETROLEUM CORP

Well Name: HJV CROCKER A-1

Comp. Date 9-13-2000 Old Total Depth 5700

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back 5685 PBT
 Commingled Docket No. PENDING
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

1-28-2002 - 2-6-2002
Spud Date Date Reached TD Completion Date

API NO. 15- 067-21466

County GRANT

5' N & 5' W OF _____ E
C - SE - SE Sec. 35 Twp. 29S Rge. 35 X W

335 Feet from X/S (circle one) Line of Section

335 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 HJV CROCKER "A" Well # 1

Field Name RYIUS E.

Producing Formation KANSAS CITY "A"

Elevation: Ground 3021.4 KB _____

Total Depth 5700 PBTD 5685

Amount of Surface Pipe Set and Cemented at 1840 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3238 Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ 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 Craig R. Walters
CRAIG R. WALTERS, P.E.

Title DIVISION PRODUCTION ENGINEER Date 4/22/2002

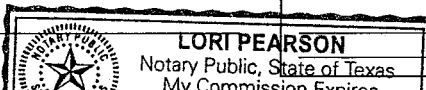
Subscribed and sworn to before me this 22 day of April

20 02
Notary Public Lori Pearson

Date Commission Expires 2/26/05

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 HJV CROCKER "A" Well # 1

Sec. 35 Twp. 29S Rge. 35 East West County GRANT

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.) List All E.Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> <tr> <td>CHASE</td> <td>2506</td> <td></td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2834</td> <td></td> </tr> <tr> <td>B/HHEEBNER</td> <td>4000</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4706</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5283</td> <td></td> </tr> <tr> <td>STE. GENEVIVE</td> <td>5606</td> <td></td> </tr> </table>	Name	Top	Datum	CHASE	2506		COUNCIL GROVE	2834		B/HHEEBNER	4000		MARMATON	4706		MORROW	5283		STE. GENEVIVE	5606	
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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"	24.0	1840	CLASS C/ CLASS C.	450/100	3%D29, 2%D46, 1/2#/SK CF/2%D29, 1/2#/SK CF.
PRODUCTION	7-7/8"	5-1/2"	15.5	6365	15/85 POZ C/ CLASS H.	190/75	8%GEL, 10%SALT, 1/2#/SK CF/2%GEL, 10%SALT, 1/2#/SK CF.
			PORT COLLAR @	3238	15/85 POZ C/ 50/50 POZ C.	50/50	NONE/.75%FLAC, 10% SALT, 2%GEL, 1/2#/SK CF.

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

TUBING RECORD	Size 2-7/8"	Set At 5432	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. RESUMED: 2-4-2002		Producing Method <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 130 Bbls.	Gas 9 Mcf	Water 35 Bbls.	Gas-Oil Ratio 69.2307692 Gravity

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled 4540-5394 OA

Other (Specify) _____

Production Interval