

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1993  
Form Must Be Used

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**COPY**

Operator: License # 4549  
Name: ANADARKO PETROLEUM CORPORATION  
Address: 701 S. TAYLOR STREET, SUITE 400  
City/State/Zip: AMARILLO, TEXAS 79101  
Purchaser: NCRA  
Operator Contact Person: JOHN VIGIL  
Phone: (806) 457-4600  
Contractor: Name: MURFIN DRILLING CO., INC.  
License: 30606  
Wellsite Geologist: MARVIN T. HARVEY, JR.

API No. 15-067-21515  
County: GRANT  
AP W/2 NE SE NW Sec. 12 Twp. 30 S. R. 35  East  West  
1650 feet from S (N) (circle one) Line of Section  
2177 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: H.V. HARPER Well #: 3  
Well Name: RYUS E.  
Producing Formation: MORROW

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  KANSAS CORPORATION COMMISSION  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows: **APR 14 2003**

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_ **CONSERVATION DIVISION WICHITA, KS**  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

<u>2-8-2003</u>	<u>2-17-2003</u>	<u>3-5-2003</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

2004  
Elevation: Ground: 2999 Kelly Bushing: \_\_\_\_\_  
Total Depth: 5700 Plug Back Total Depth: 5504  
Amount of Surface Pipe Set and Cemented at 1779 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 cm.

**Drilling Fluid Management Plan** ACE 1 W 8-19-03  
(Data must be collected from the Reserve Pit)  
Chloride content 1100 ppm Fluid volume 700 bbis  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
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 of 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. Marie Harvey  
Title: Engg. Tech III Date: 4-11-03  
Subscribed and sworn to before me this 11th day of April, 2003.  
Notary Public: Wickie J. Scantlin  
Date Commission Expires: 2-15-05

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received **Release**  
 Geologist Report Received **MAY 14 2004**  
 UIC Distribution **From Confidential**

Operator Name: ANADARKO PETROLEUM CORPORATIO Lease Name: HJV HARPER "A" Well #: 3

Sec. 12 Twp. 30 S. R. 35 East  West County: GRANT

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**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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, DIL, CNL-LDT, ML, SONIC.

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
CHASE	2515	484
COUNCIL GROVE	2826	173
B/HIEBNER	3988	-989
MARMATON	4724	-1725
MORROW	5286	-2287
STE. GENEVIEVE	5590	-2591

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"	21.8	1779	C/D	440/100	3%D79, 1/4#/SK CF/ 2%CC, 1/4#/SK CF.
PRODUCTION	7-7/8"	5-1/2"	15.5	5700	50/50 POZ	25/150	.25% D167, .2 % D46 1/4PPS D29/ 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
6	5306-20.	1800 GAL DIESEL.	5306-20
		36000GAL FOAM & 903 SKS 20/40 SAND	5306-20

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	5334		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
3-6-2003	<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
	100	TSTM		TSTM	

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 5306-5320