

FORM MUST BE TYPED

RECEIVED
KANSAS CORPORATION COMMISSION

ORIGINAL

Ind

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

SEP 09 2002

CONFIDENTIAL

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address 701 S. TAYLOR, SUITE 400

City/State/Zip AMARILLO, TEXAS 79109

Purchaser: NCRA

Operator Contact Person: JOHN VIGIL

Phone (806) 457-4600

Contractor: Name: MURFIN DRILLING

License: 30606

Wellsite Geologist:

Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SLOW ☐ 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 ☐ PBTD
☒ Commingled ☐ Docket No. PENDING
☐ Dual Completion ☐ Docket No.
☐ Other (SWD or Inj?) ☐ Docket No.

05-29-2002 06-04-2002 07-05-2002
Spud Date Date Reached TD Completion Date

API NO. 15- 067-21484

County GRANT

AP. N/2-S/2 - NE - NE Sec. 3 Twp. 30S Rge. 35 X W

800 Feet from N/X (circle one) Line of Section,

660 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. AMERN "A" Well # 1

Field Name RYUS E.

Producing Formation MARMATON/MORROW

Elevation: Ground 2995 KB

Total Depth 5700 PBTD 5655

Amount of Surface Pipe Set and Cemented at 1792 Feet

Multiple Stage Cementing Collar Used? Yes X 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 EN 9-10-02
(Data must be collected from the Reserve Pit)

Chloride content 1900 ppm Fluid volume 700 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 L. Marc Harvey

Title ENGINEERING TECHNICIAN III Date

Subscribed and sworn to before me this 4 day of September

2002

Notary Public Lori Pearson

Date Commission Expires 2/26/05



K.C.C. OFFICE USE ONLY		
F	<u>YES</u>	Letter of Confidentiality Attached
C	<u>YES</u>	Wireline Log Received
C	<u>NO</u>	Geologist Report Received
Distribution		
<input type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)
From		

Form ACO-1 (7-91)

Operator Name ANADARKO PETROLEUM CORPORATIONLease Name HJV AHERN "A"Well # 1Sec. 3 Twp. 30S Rge. 35☐ EastCounty GRANT☒ 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, and the 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.)☒ Log Formation (Top), Depth and Datums ☐ SampleSamples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E.Logs Run: CBL, DIL, CNL-LDT, ML, SONIC.

Name	Top	Datum
B/STONE CORRAL	1790	
CHASE	2486	
COUNCIL GROVE	2784	
ADMIRE	2976	
TOPEKA	3475	
B/HEEBNER	3946	
TORONTO	3958	
LANSING	4010	
KANSAS CITY	4520	
MARMATON	4660	
CHEROKEE	4868	
MORROW	5240	
CHESTER	5476	
ST. GENEVIEVE	5546	

CASING RECORD

☒ New ☐ 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	1792	P+ MIDCON/ PREM PLUS.	445/100	3%CC, .1%FWCA, %#/SK FC/2%CC, 1/8#/SK FC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5698	50/50 POZ/ 50/50 POZ.	25/120	2%GEL, 10%SALT, .2#/SK DAIR, .5%HALAD322, %#/SK FC/SAME.
			DV TOOL @	4922	50/50 POZ/ 50/50 POZ.	25/170	SAA/SAA.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	5361-76, 5321-29.	ACID: 1800 GAL 7-1/2% HCL.	5321-76 (OA)
		FRAC: 24860 GAL GEL & 53000# 20/40 SD.	5321-76 (OA)
4	4703-08.	ACID: 1500 GAL 15%	4703-08.
TUBING RECORD	Size 2-3/8"	Set At 5318	Packer At
			Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. 07-17-2002		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 190 Bbls.	Gas 20 Mct	Water 93 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled☐ Other (Specify) _____4703-5376 (OA)