

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 701 S. TAYLOR, STE. 400

City/State/Zip AMARILLO, TEXAS 79101

Purchaser: ANADARKO ENERGY SERVICES

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

Phone (806) 457-4600

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

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 CORPORATION

Well Name: Morrison A-1

Comp. Date 5-10-1991 Old Total Depth 5950

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. E-28,131

4-3-2003 -- 4-7-2003
Spud Date Date Reached TD Completion Date

API No. 15- 129-21076-0002

County MORTON

- C - SW - SE Sec. 33 Twp. 32 Rge. 4D E W

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

1980 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 SERU Well # 17-1

Field Name STIRRUP ENHANCED RECOVERY UNIT

Producing Formation MORROW

Elevation: Ground 3297 KB --

Total Depth 5950 PBD 5387

Amount of Surface Pipe Set and Cemented at 1539 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 Workover Unit 7-2-02
(Data must be collected from the Reserve Pit)
NOT APPLICABLE

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. _____

RECEIVED
6-9-03
JUN 09 2003

KCC WICHITA

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

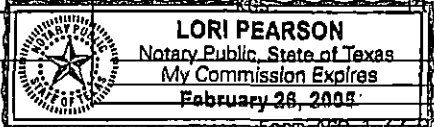
Title DIVISION PRODUCTION ENGINEER Date 6/3/03

Subscribed and sworn to before me this 3 day of June 2003.

Notary Public Lori Pearson

Date Commission Expires 2/20/05

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)
LORI PEARSON
Notary Public, State of Texas
My Commission Expires
February 26, 2005



ORIGINAL

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name SERU Well # 17-1

Sec. 33 Twp. 32S Rge. 40 East West County MERU

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.) Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run (Submit Copy.) Yes No
List All E.Logs Run:

Log Formation (Top), Depth and Datums Sample
Name Top Datum

SEE ATTACHMENT

** Original Completion 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	1539		775	
** PRODUCTION	7-7/8"	5-1/2"	15.5	5428		215	

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD Size 2-7/8 Set At 5190 Packer At 5190 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. SI WAITING ON AUTHORIZATION FOR INJECTION Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 5264-5304 OA Production Interval Other (Specify)

COPY

ORIGINAL

County Morton
 C SW SE Sec. 33 Twp. 32S Rge. 40

660 Ft. North from Southeast Corner of Sec
1980 Ft. West from Southeast Corner of Sec
 (NOTE: Locate well in section plat be

Lease Name Morrison "A" Well # 1

Field Name Stirrup

Producing Formation U. Morrow

Elevation: Ground 3296.9 NA

Total Depth 5950 PBTD 5387

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P.O. Box 351

City/State/Zip Liberal, Kansas 67905-0351

Purchaser: Texaco Trading & Transportation

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Gabbert-Jones, Inc.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

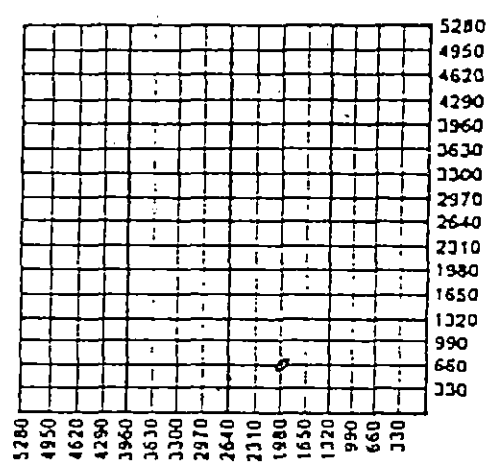
Mud Rotary Air Rotary Cable

3-22-91 4-3-91 5-10-91
 Spud Date Date Reached TD Completion Date

RECEIVED

JUN 09 2003

KCC WICHITA



Amount of Surface Pipe Set and Cemented at 1539 Ft.

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Ft.

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cm

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-111 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Beverly J. Williams
 Title Engineering Technician Date 5-23-91

Subscribed and sworn to before me this 23rd day of May, 1991.

Notary Public Cheryl Steers

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 C Wireline Log Received
 C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name Anadarko Petroleum Corporation Lease Name Morrison "A" Well
 Sec. 33 Twp. 32S Rge. 40 East West County Morton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests g interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra 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	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name Top Bottom SEE ATTACHMENT
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input 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	

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	1539	Pozmix & Common	775	4% gel 2% c
Production	7 7/8	5 1/2	15.5	5428	Pozmix & Thixset Premium "H"	215	1/4# Flocele 5#/sk Gilson

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5300-04	A/750 gal 7-1/2% fe acid.	5300-04

TUBING RECORD	Size 2-3/8	Set At 5285	Packer At 5285	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production 4-20-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 127 Bbls.	Gas 1384 Mcf	Water - Bbls.	Gas-Oil Ratio 10,900	38.9 @ 60° Gravity
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Disposition of Gas: **METHOD OF COMPLETION** Production Interval:

Vented Sold Used on Lease Open Hole Perforation Dually Completed Commingled
 (If vented, submit ACO-18.) Other (Specify) _____ 5300-04

ATTACHMENT

MORRISON A-1
Section 33-32S-40W
Morton County, Kansas

<u>NAME</u>	<u>DEPTH</u>	<u>SUBSEA</u>
B/STONE CORRAL	1550	+1747
TOP CHASE GROUP	2252	+1045
TOP COUNCIL GROVE	2536	+761
TOP ADMIRE	2778	+519
TOP WABAUNSEE	2970	+327
TOP TOPEKA	3212	+85
TOP HEEBNER	3698	-401
TOP TORONTO	3714	-417
TOP LANSING	3806	-509
TOP KANSAS CITY	4188	-891
TOP MARMATON	4476	-1179
TOP CHEROKEE	4634	-1337
TOP MORROW	5066	-1769
TOP MORROW "D" SANDSTONE	5264	-1967
TOP LOWER MRROW	5408	-2111
TOP STE. GENEVIEVE	5622	-2325
TOP ST. LOUIS	5765	-2468
RTD	5950	-2653
LTD	5952	-2655