

ORIGINAL

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 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 SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: MOOREHEAD 1-13

Comp. Date 8-9-91 Old Total Depth 5900

Deepening Re-perf. Conv. to SWD
 Plug Back 5675 PBDT
 Commingled Docket No. PENDING
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

11-14-2000 -- 11-29-2000
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21497-00-01

County STEVENS

SW-SW Sec. 13 Twp. 31 Rge. 35 E W

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

510 Feet from X/W (circle one) Line of Section

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

Lease Name MOOREHEAD Well # 1-13

Field Name CHURCHMAN-BIBLE

Producing Formation KANSAS CITY, CHESTER

Elevation: Ground 2961 KB --

Total Depth 5900 PBDT 5675

Amount of Surface Pipe Set and Cemented at 1836 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 ALTI WITHM 8-10-06
(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
KANSAS CORPORATION COMMISSION

MAY 21 2001

CONSERVATION DIVISION

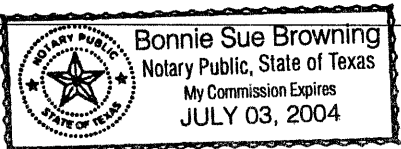
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 5/10/2001

Subscribed and sworn to before me this 15 day of May
20 01.

Notary Public Bonnie Sue Browning
Date Commission Expires



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 MOOREHEAD Well # 1-13

Sec. 13 Twp. 31 Rge. 35 East County STEVENS
 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum SEE ATTACHED DRILLERS LOG
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** 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"		1836			
** PRODUCTION	7-7/8"	5-1/2"	15.5	5899		225	

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
4	4642-4654	ACID W/ 1200 GAL 15% FeHCl	4642-4654

TUBING RECORD	Size 2 3/8"	Set At 5565	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. RESUMED: 11-29-2000		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 2 Bbls.	Gas 0 Mcf	Water 0 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 4642-5592 OA
 Other (Specify) _____

Production Interval _____

1-13 MOORHEAD

State: KANSAS
 County: STEVENS
 Operator: MESA OPER LTD PRTNRS
 API: 1518921497000 IC:
 Initial Class: WO
 Target Objective: OIL
 Final Well Class: WOE
 Status: OIL
 Field: LAHEY
 Permit: on APR 30, 1991

Abandonment Date:

Projected TD: 6050 Formation: CHESTER
 Hole Direction:
 IP Summary: Oil Gas Water Top Form
 133 BPD 62 MCFD 60 BBL CHESTER

Location

Section, Twp., Range: 13 31 S 35 W
 Spot Code: SW SW
 Footage NS, EW: 510 FSL 4772 FEL CONGRESS SECTION
 Surface remark:
 Principal Meridian: 6TH PRINCIPAL MRD

Lat/Long: 37.3452500 / -101.0840000 TS

PBHL:

PHBL remark:

ABHL:

ABHL remark:

ABHL:

From Surface: TVD:

Location Narrative:

Type	Remark
LOCATION	1/2 N PROD 7 MI NE MOSCOW, KS
DST_FIELD	1/2 N PROD
DST_TOWN	7 MI NE MOSCOW, KS

Dates and Depths

Spud: JUN 03, 1991 Spud Date Code:
 TD: 5900 on JUN 16, 1991
 LTD:
 PlugBack Depth: 5665
 Completed: AUG 09, 1991
 Formation @ TD: 359MSSP Name: MISSISSIPPIAN
 Ref. Elevation: 2972 KB
 KB. Elevation: 2972
 Ground Elevation: 2961 GR
 Contractor: ZENITH DRILLING CORPORATION
 Rig Release Date: Rig #

IP # 001

Top Formation: CHESTER
 Base Formation: CHESTER
 Oil: 133 BPD Condst:
 Gas: 62 MCFD Water: 60 BBL
 Interval: 5544 - 5592 Method: PUMPING
 Duration of Test: Hours Choke:
 Oil: Gravity: * 45.1 GOR:
 Prod Method: PERF
 Perforations: Interval Cnt Type Shots/Ft Top Formation
 5544 - 5592 354CSTR CHESTER

Treatments: 1 Interval: 5544 - 5592
 Fluid: 7600 GAL ACID Type: A
 Additive:
 Prop Agent:
 Formation Break Down Pressure:
 Average Injection Rate:
 Stages: Remarks: ACID:ORIG TREATMENT CD

Treatments: 2 Interval: 5544 - 5592
 Fluid: 80000 GAL FRAC Type: W
 Additive:
 Prop Agent: SAND 168000 LB
 Formation Break Down Pressure:
 Average Injection Rate:
 Stages: Remarks: SGFR:ORIG TREATMENT CD

Casing, Liner, Tubing

Casing 8 5/8 IN @ 1836 w/ sx
 Casing 5 1/2 IN @ 5899 w/ 225 sx
 Tubing 2 3/8 IN @ 5608 TUBING

Formations and Logs

Top Formation	Measured Depth	Top TVD	Base Depth	Base TVD	Source	Lithology	Age code
CHASE	2562				LOG		451
COUNCIL GROVE	2877				LOG		451
LANSING	4110				LOG		405
KANSAS CITY	4632				LOG		405
MARMATON	4810				LOG		404
CHEROKEE	5000				LOG		404
ATOKA /LM/	5130				LOG		403
MORROW	5338				LOG		402
CHESTER	5520				LOG		354
ST GENEVIEVE	5628				LOG		353
ST LOUIS /LM/	5684				LOG		353

Dwights Energydata Narrative

Accumulated through 1997

IP: (Chester 5544-5592) P 133 BOPD grav 45; 62 MCFGPD; 60 BWPD
 Perfs: 5544-5592 (Chester)
 Perfs: (CHEST) 5544-5592, W / 2 SPF, AC 7600 GAL (15% HCL/FE), FRAC 80,000
 Perfs: GAL CROSS-LINK GEL & 168,000# 20/40 SD
 Dst: None
 Cores: None
 Dwights number: K2224070

Operator Address

Street or PO Box: BOX 2009
 ATTN: PRODUCTION RECORDS

City: AMARILLO
 State, Zip: TX , 79189
 Country: USA
 Phone: 8063781000 Fax:
 E-Mail:
 Agent Name: Agent Code:

Operator Address

Agent Remark: