

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

API NO. 15- 189-21552

County Stevens

- C - SE - SW Sec. 13 Twp. 31S Rge. 35 X <sup>E</sup><sub>W</sub>

660 Feet from SW (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

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

Lease Name Moorhead "C" Well # 2

Field Name Lahey

Producing Formation Chester/St. Louis

Elevation: Ground 2946.4 KB NA

Total Depth 5900 PBTD 5791

Amount of Surface Pipe Set and Cemented at 1745 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 cnt.

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

Chloride content 1200 ppm Fluid volume 7000 bbls

Dewatering method used Natural Evaporation

Location of fluid disposal if hauled offsite:                     

Operator Name                     

Lease Name                      License No.                     

                     Quarter Sec.                      Twp.                      S Rng.                      E/W

County                      Docket No.                     

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, Kansas 67905-0351

Purchaser: Texaco Trading & Transportation Co.

Operator Contact Person: J.L. Ashton

Phone (316) 624-6253

Contractor: Name: Norseman Drilling, Inc.

License: 03779

Wellsite Geologist: NA

Designate Type of Completion

X New Well                      Re-Entry                      Workover

X Oil                      SWD                      SIOW                      Temp. Abd.

                     Gas                      ENHR                      SIGW

                     Dry                      Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator:                     

Well Name:                     

Comp. Date                      Old Total Depth                     

                     Deepening                      Re-perf.                      Conv. to Inj/SWD

                     Plug Back                      PBTD

                     Commingled                      Docket No.                     

                     Dual Completion                      Docket No.                     

                     Other (SWD or Inj?) Docket No.                     

7-26-93 8-4-93 11-22-93

Spud Date                      Date Reached TD                      Completion Date                     

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

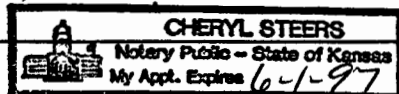
Signature Beverly J. Williams

Title Technical Assistant Date 12-7-93

Subscribed and sworn to before me this 7th day of December 19 93.

Notary Public Cheryl Steers

Date Commission Expires                     



K.C.C. OFFICE USE ONLY		
F	<u>                    </u> Letter of Confidentiality Attached	
C	<u>                    </u> Wireline Log Received	
C	<u>                    </u> Geologist Report Received	
Distribution		
<u>                    </u> KCC	<u>                    </u> SWD/Rep	<u>                    </u> NGPA
<u>                    </u> KGS	<u>                    </u> Plug	<u>                    </u> Other (Specify)

Operator Name Anadarko Petroleum Corporation Lease Name Moorhead "C" Well # 2Sec. 13 Twp. 31S Rge. 35  
☐ East  
☒ WestCounty Stevens

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 ☐ Yes ☒ No  
(Attach Additional Sheets.)Samples Sent to Geological Survey ☒ Yes ☐ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No  
(Submit Copy.)

List All E.Logs Run:

☒ Log Formation (Top), Depth and Datum ☐ Sample  
Name Top Datum

SEE ATTACHMENT

## 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#	1745	Pozmix & Class "H"	825	4% tot gel 2% cc
Production	7 7/8	5 1/2	15.50#	5881	Pozmix	375	6% gel . 75% fric Reducer 1#/sx flocc 5#/sx gel 10% salt
			FO TOOL	3118	Pozmix	150	

## 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	4819-23	Class "H"	50	
<input type="checkbox"/> Plug Back TD	4617-31	Thixset	50	
<input type="checkbox"/> Plug Off Zone	4653-58	Class "H"	70	
	Drill out CIBP to 5791			

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
2	5685-92, 5665-68; CIBP @ 5645	A/600 gals 28% fe acid w/100 gal per 2' setting.	5665-68 5685-92
2	5548-5555; CIBP @ 5500	Brk dwn w/500 gals 15% HCL acid. F/43,544 gals 35# Borate x-linked 2% KCL wtr + 164,712# 16/30 sd.	5548-55
2	4819-23	A/800 gals 15% fe acid.	4819-23
2	4653-58; CIBP @ 4635	A/950 gals 15% fe acid + 12 BS.	4653-58
2	4617-22	A/750 gals 15% fe acid + 12 BS.	
2	4622-31; CIBP @ 4770	A/1500 gals 15% fe acid + 33 BS.	
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	2 3/8 5717		

Date of First, Resumed Production, SWD or Inj.	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 22 Bbls. Gas - Mcf Water 13 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  
☐ Other (Specify)

Production Interval

5548-5555

5665-5692

ATTACHMENT

Moorhead "C" No. 2  
Section 13-31S-35W  
Stevens County, Kansas

<u>NAME</u>	<u>TOP</u>
B/STONE CORRAL	1762
WELLINGTON	2208
CHASE GROUP	2569
COUNCIL GROVE	2854
WABAUNSEE	3244
TOPEKA	3595
HEEBNER	4028
TORONTO	4050
LANSING	4137
KANSAS CITY	4405
MARMATON	4802
CHEROKEE	4965
ATOKA	5146
MORROW FORMATION	5311
CHESTER	5410
CHESTER SAND	5520
STE. GENEVIEVE	5608
ST. LOUIS	5657
LTD	5902

WELL NAME: **MOOREHEAD C-2**  
 LEGAL **660' FSL & 1980' FWL**  
 SS-TWN-RNG **13-31S-35W**  
 FIELD **LAHEY**  
 COUNTY, STATE **STEVENS, KANSAS**  
 WI: **100.000000**  
 RI: **87.500000**

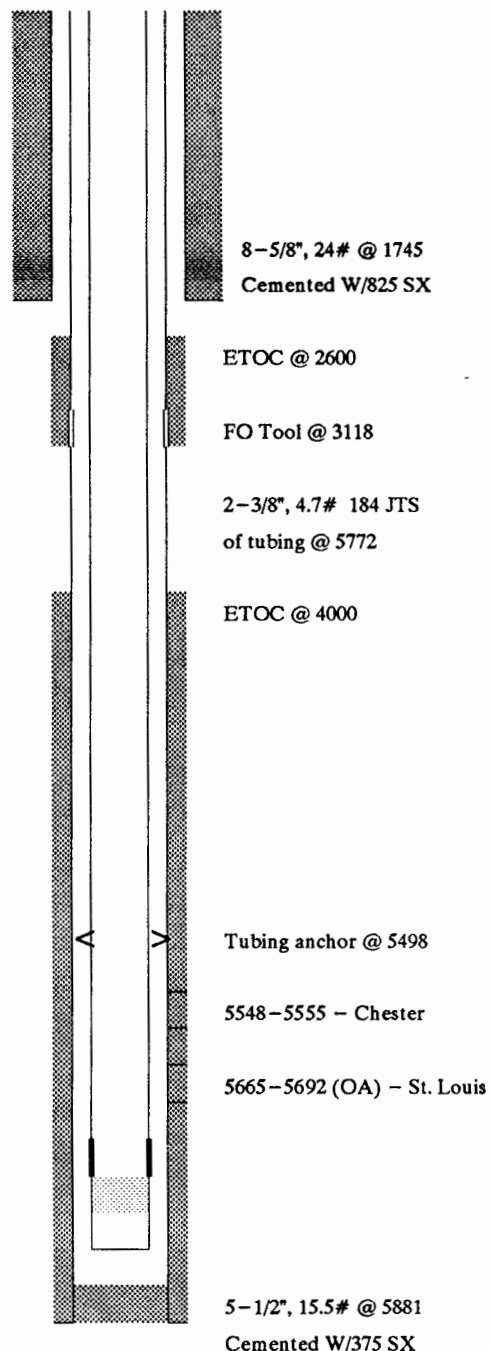
01-Dec-93

**CURRENT & PROPOSED WELLBORE DIAGRAM**

SURFACE CASING: **8-5/8", 24# @ 1745**  
 PROD CASING: **5-1/2", 15.5# @ 5881**  
 TUBING: **2-3/8", 4.7# 184 JTS**  
 GL: **2946**  
 KB: **2956**  
 TD: **5900**  
 PBTD: **5791**

**PRODUCING INTERVALS**

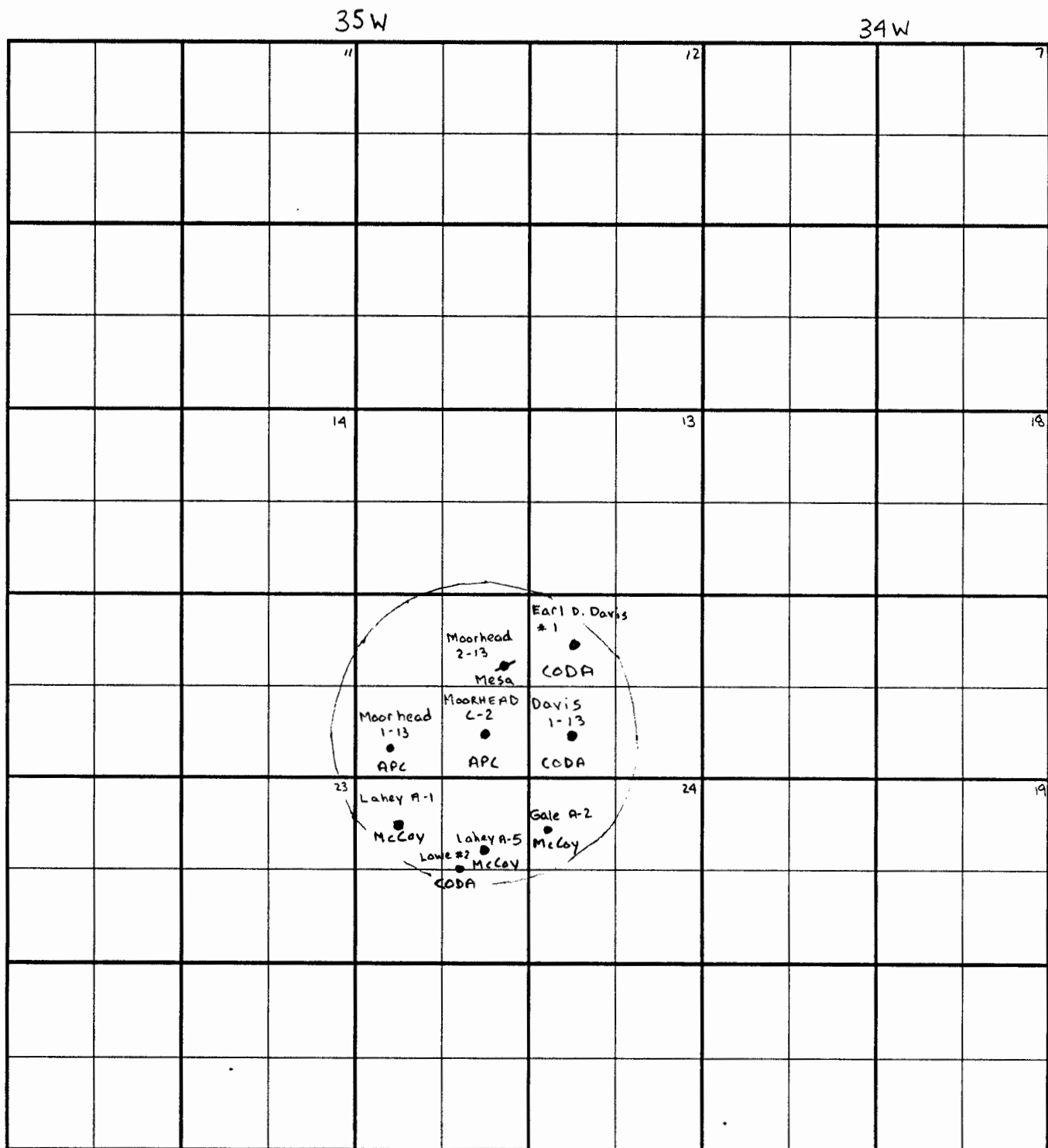
FORMATION	INTERVAL	SPF
CHESTER	5548-5555	2
ST. LOUIS	5665-5668	2
ST. LOUIS	5685-5692	2



OPERATOR Anadarko Petroleum Corp. DOCKET # \_\_\_\_\_ DATE 12/15/93  
 ADDRESS P. O. Box 351 OPERATOR'S LICENSE # \_\_\_\_\_  
Liberal, KS 67905-0351 API NO. 15- 189-21552-0000  
 LEASE Moorhead "C" WELL NO. 2  
 QUARTER SW SEC 13 TWP 31S RGE 35 E \_\_\_\_\_  
 W X

COMMINGLING 82-3-123

- X 1. Description of the well.  
 A plat showing:  
 a) Location of subject well.  
 b) Location of other wells on the lease.  
 c) Location of offsetting wells and operator's name.
- X 2. Names and upper and lower limits of the source of supply involved.
- |                         |                          |
|-------------------------|--------------------------|
| (NAME) <u>Chester</u>   | (PERFS) <u>5548-5555</u> |
| (NAME) <u>St. Louis</u> | (PERFS) <u>5665-5692</u> |
| (NAME) _____            | (PERFS) _____            |
- X 3. Wireline log of the subject well.
- X 4. A complete ACO-1 form.
- X 5. Expected production, oil-gas-water, for each source of supply.
- |                                |                |               |                |
|--------------------------------|----------------|---------------|----------------|
| FORMATION <u>Chester</u>       | BOPD <u>10</u> | MCF <u>20</u> | BWPD <u>10</u> |
| FORMATION <u>St. Louis</u>     | BOPD <u>10</u> | MCF <u>10</u> | BWPD <u>0</u>  |
| FORMATION _____                | BOPD _____     | MCF _____     | BWPD _____     |
| FORMATION _____                | BOPD _____     | MCF _____     | BWPD _____     |
| ESTIMATED COMBINED TOTAL _____ | BOPD <u>20</u> | MCF <u>30</u> | BWPD <u>10</u> |
- X 6. Application shall be supported by an Affidavit and shall contain a certificate showing service of a copy of the application without attachments to the offsetting operators. You are responsible for this. Unless waivers are obtained, applications are held for fifteen days to give offsetting operators time to file objections. If waivers are obtained, applications can be processed immediately. If objections are filed, applications are then set for hearing.



• PRODUCING WELL

• PLUGGED WELL