

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

ORIGINAL

API NO. 15- CONFIDENTIAL 189-21552-0000

County Stevens

C - SE - SW Sec. 13 Twp. 31S Rge. 35 X E

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 **KCC**

Wellsite Geologist: NA **DEC 7**

Designate Type of Completion

New Well Re-Entry Conversion

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 PBD
 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

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

1980 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S/W (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 PBDT 5791

Amount of Surface Pipe Set and Cemented at 1745 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 cat.

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 _____ **RELEASED**

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. FEB 14 1995 E/W

County _____ **FROM CONFIDENTIAL**

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, 1993.

Notary Public Cheryl Steers

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C _____ Wireline Log Received
C _____ Geologist Report Received
Distribution _____
KCC _____ SWDX Rep _____
KGS _____ Plug _____
STATE CORPORATION COMMISSION
DEC 00 1995
CONSERVATION DIVISION
Wichita, Kansas

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

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 SEE ATTACHMENT

CASING RECORD Now 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 3% cc
Production	7 7/8	5 1/2	15.50#	5881	Pozmix	375	6% gel... 75% frac Reducer 1#/sx flocc 5#/sx gll 10% salt
			FO TOOL	3118	Pozmix	150	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
Perforate					
Protect Casing	4819-23		Class "H"	50	
Plug Back TD	4617-31		Thixset	50	
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.
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
 Size 2 3/8 Set At 5717 Packer At _____
 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift 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

CONFIDENTIAL

ORIGINAL

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

API# 15-189-21552

KCC

DEC 7

CONFIDENTIAL

<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

RELEASED

FEB 14 1995

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
DEC 08 1993
CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER COPY

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046



HALLIBURTON
ENERGY SERVICES

CONFIDENTIAL

INVOICE

ORIGINAL

INVOICE NO.	DATE
507322	07/27/1993

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
MOOREHEAD "C" 2	STEVENS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	NORSEMAN #1	CEMENT SURFACE CASING	07/27/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
019595	JOHN SHILLING		33876
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			54192

KCC

DIRECT CORRESPONDENCE TO:

ANADARKO PETROLEUM CORP
P. O. BOX 351
LIBERAL, KS 67905-0351

DEC 7

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

CONFIDENTIAL

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	20	MI	2.75	55.00
		1	UNT		
001-016	CEMENTING CASING	1766	FT	1,105.00	1,105.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	8	5/8 IN	120.00	120.00
		1	EA		
12A	GUIDE SHOE - 8 5/8" 8RD THD.	1	EA	216.00	216.00
825.217					
24A	INSERT FLOAT VALVE - 8 5/8" 8	1	EA	171.00	171.00
815.19502					
27	FILL-UP UNIT 7"- 8 5/8" RELEASED	1	EA	55.00	55.00
815.19415					
40	CENTRALIZER 8-5/8" X 12.25" FEB 14 1995	3	EA	72.00	216.00
807.93059					
320	CEMENT BASKET 8 5/8" FROM CONFIDENTIAL	1	EA	122.00	122.00
800.8888					
350	HALLIBURTON WELD-A	1	LB	14.50	14.50
890.10802					
504-131	CEMENT - 50/50 POZMIX PREMIUM	625	SK	6.82	4,262.50
507-277	HALLIBURTON-GEL BENTONITE	11	SK	15.50	170.50
504-043	CEMENT - PREMIUM	200	SK	8.69	1,738.00
509-406	ANHYDROUS CALCIUM CHLORIDE	16	SK	28.25	452.00
500-207	BULK SERVICE CHARGE	879	CFT	1.25	1,098.75
500-306	MILEAGE CMTG MAT DEL OR RETU	747.3	MI	.85	635.21

INVOICE SUBTOTAL

DISCOUNT-(BID)

INVOICE BID AMOUNT

*-KANSAS STATE SALES TAX

***** CONTINUED ON NEXT PAGE *****

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DEC 08 1993
CONSERVATION DIVISION
Wichita, Kansas

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CUSTOMER COPY

INVOICE

HALLIBURTON ENERGY SERVICES ORIGINAL CONFIDENTIAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO:	DATE
507322	07/27/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
MOOREHEAD "C" 2		STEVENS		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL	NORSEMAN #1	CEMENT SURFACE CASING		07/27/1993	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876	COMPANY TRUCK	54192

ANADARKO PETROLEUM CORP
P. O. BOX 351
LIBERAL, KS 67905-0351

KCC
DEC 7
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	*--SEWARD COUNTY SALES TAX				\$4.28

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*2756-2040
14*

John Shilling
5 3 73

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DEC 08 1993
CONSERVATION DIVISION
Wichita, Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

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REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046



HALLIBURTON ENERGY SERVICES ORIGINAL CONFIDENTIAL

INVOICE

INVOICE NO.	DATE
507574	08/04/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
MOOREHEAD C-2		STEUENS		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL	NORSEMAN	APL-15-11-2152		08/04/1993	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019598	JOHN SMILING		33874	COMPANY TRUCK	54509

KCC
DEC 7
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

ANADARKO PETROLEUM CORP
P. O. BOX 351
LIBERAL, KS 67905-0351

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	19	MI	2.75	52.25
		1	UNT		
001-016	CEMENTING CASING	5881	FT	1,650.00	1,650.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5	1/2 IN	60.00	300.00
		1	EA		
018-315	MUD FLUSH	1260	GAL	.65	819.00
218-738	CLAYFIX II	2	GAL	21.50	43.00
504-131	CEMENT - 50/50 POZMIX PREMIU	325	SK	6.82	2,216.50
507-153	CFR-3	33	LB	4.55	150.15
507-210	FLOCELE	81	LB	1.40	113.40
508-291	GILSONITE BULK	1625	LB	.40	650.00
509-968	SALT	1516	LB	.13	197.08
504-118	CEMENT - HALL LIGHT PREMIUM	50	SK	7.89	394.50
500-207	BULK SERVICE CHARGE	436	CFT	1.25	545.00
500-306	MILEAGE CMTG MAT DEL	339.234	MI	.85	288.37

RELEASED
FEB 14 1995

FROM CONFIDENTIAL

INVOICE SUBTOTAL	7,179.25
DISCOUNT-(BID)	2,512.70-
INVOICE BID AMOUNT	4,666.55
* KANSAS STATE SALES TAX	140.72
* SEWARD COUNTY SALES TAX	28.72

2756-2040
KA

RECEIVED
STATE COMMISSION
FEB 11 1993

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** 4,835.99

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