

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

KCC

OCT 21

CONFIDENTIAL

API NO. 15-

CONFIDENTIAL

189-21,551-0000

County

Stevens

2

NE

NW

Sec. 13

Twp. 31S

Rge. 35

X

E

Operator: License # 4549

660 Feet from S(8) (circle one) Line of Section

Name: Anadarko Petroleum Corporation

2310 Feet from E(4) (circle one) Line of Section

Address P. O. Box 351

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

City/State/Zip Liberal, KS 67905-0351

Lease Name Hanke "A" Well # 1

Purchaser: Texaco Trading & Transportation

Field Name Lahey

Operator Contact Person: J. L. Ashton

Producing Formation Morrow

Phone (316) 624-6253

Elevation: Ground 2943 KB NA

Contractor: Name: Norseman Drilling

Total Depth 5900 PBD 5670

License: 03779

Amount of Surface Pipe Set and Cemented at 1760 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well Re-Entry Workover

If Alternate II completion, cement circulated from _____

X Oil SWD S10W Temp. Abs.

feet depth to _____ w/ _____ sx cmt.

Gas ENHR SIGW

Drilling Fluid Management Plan ALT 1 12-14-93
(Data must be collected from the Reserve Pt)

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

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

Chloride content 800 ppm Fluid volume 5000 bbls

Operator: _____

Dewatering method used Natural Evaporation

Well Name: _____

Location of fluid disposal if hauled offsite:

Comp. Date _____ Old Total Depth _____

Operator Name RELEASED

Deepening Re-perf. Conv. to Inj/SWD

Lease Name _____ License No. _____

Plug Back PBD

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

Commingled Docket No. _____

County FROM CONFIDENTIAL

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

7-14-93 7-24-93 9-8-93
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.

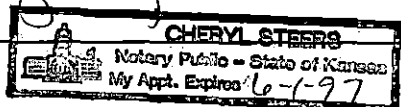
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Beverly J. Williams
Title Technical Assistant Date 10-19-93

Subscribed and sworn to before me this 19th day of October 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 SWD/Rep NGPA
KGS Plug Other (Specify)

Operator Name Anadarko Petroleum Corporation Lease Name Hanke "A" Well # 1
 County Stevens
 Sec. 13 Twp. 31S Rge. 35
 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.)

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

List All E.Logs Run: FASTLOOK GAMMA/SP *KCC*
COMPENSATED DENSITY *JH*
MICRO-RESISTIVITY
DUAL INDUCTION
SONIC

CASING RECORD <input checked="" type="checkbox"/> Now <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#	1760	Pozmix & Class "H"	825	4% tot gel 2% cc 3% cc
Production	7 7/8	5 1/2	15.50#	5900	Pozmix	415	6% gel; .75% fric rec 1#/sk flocele, 5#/sk. gi.
		FO TOOL		3106	Pozmix	125	6% gel

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	MOORE				

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	5702-12		A/in 2' intervals w/100 gals acid/ft. Total Acid 1000 gals.
2	Set CIBP @ 5670 5364-76		A/in 2' intervals w/100 gals 7 1/2% fe acid/ft. Frac w/18300 gal 35# Borate x-linked 2% KCL wtr & 32,000# 16/30 sd. Frac w/2796/gals 35# Borate x-linked 2% KCL wtr & 81,000# 16/30 sd.	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8	5368	-	
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)		
8-31-93					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	90	92	4	1022	39.5° API

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 5364-76

ATTACHMENT

CONFIDENTIAL

HANKE "A" NO. 1
SECTION 13-31S-35W
STEVENS COUNTY, KANSAS
API # 15-189-21551

ORIGINAL

KCC
OCT 21
CONFIDENTIAL

<u>NAME</u>	<u>TOP</u>
B/STONE CORRAL	1772
WELLINGTON	2207
CHASE GROUP	2551
COUNCIL GROVE	2855
WABAUNSEE	3164
TOPEKA	3610
HEEBNER	4044
TORONTO	4063
LANSING	4155
KANSAS CITY	4466
MARMATON	4799
CHEROKEE	5000
ATOKA	5171
MORROW FORMATION	5322
MORROW SAND	5364
CHESTER	5384
STE. GENEVIEVE	5593
ST. LOUIS	5669
LTD	5901

RELEASED

NOV 21 1994

FROM CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 25 1993
CONSERVATION DIVISION
WICHITA, KS

INVOICE

KCC



HALLIBURTON
ENERGY SERVICES

OCT 21

CONFIDENTIAL

INVOICE NO.	DATE
507239	07/16/1993

CONFIDENTIAL

ORIGINAL

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
HANKE "A" 1		STEVENS		KS	ANADARKO
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL	NORSEMAN	CEMENT SURFACE CASING		07/16/1993	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876	COMPANY TRUCK	53412

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

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

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KANSAS CORPORATION COMMISSION
OCT 25 1993
CONSERVATION DIVISION
WICHITA, KS

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE	20 MI		2.75	55.00
001-016	CEMENTING CASING	1760 FT		1,105.00	1,105.00
12A	GUIDE SHOE - 8 5/8" BRO THD.	1 EA		216.00	216.00
24A	INSERT FLOAT VALVE - 8 5/8" 8	1 EA		171.00	171.00
27	FILL-UP UNIT 7"- 8 5/8"	1 EA		55.00	55.00
40	CENTRALIZER 8-5/8" X 12.25	3 EA		72.00	216.00
320	CEMENT BASKET 8 5/8"	1 EA		122.00	122.00
350	HALLIBURTON WELD-A	1 LB		14.50	14.50
030-018	CEMENTING PLUG.5W, PLASTIC T	8 5/8 IN		130.00	130.00
504-131	CEMENT - 50/50 POZMIX PREMIU	625 SK		6.82	4,262.50
507-277	HALLIBURTON-GEL BENTONITE	11 SK		15.50	170.50
509-406	ANHYDROUS CALCIUM CHLORIDE	16 SK		28.25	452.00
504-043	CEMENT - PREMIUM	200 SK		8.69	1,738.00
500-207	BULK SERVICE CHARGE	879 CFT		1.25	1,098.75
500-306	MILEAGE CHTG MAT DEL OR RETU	746.91 TMI		.85	634.87

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INVOICE SUBTOTAL

10,441.12

DISCOUNT-(BID)
INVOICE BID AMOUNT

4,346.65-
6,094.47

*-KANSAS STATE SALES TAX

266.21

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

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



ORIGINAL
HALLIBURTON
ENERGY SERVICES

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

INVOICE

CONFIDENTIAL

INVOICE NO.	DATE
507239	07/16/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
HANKE "A" 1		STEVENS		KS	ANADARKO
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		NORSEMAN	CEMENT SURFACE CASING		07/16/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876	COMPANY TRUCK	53412

FILE # 19-11-21551

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

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	SEWARD COUNTY SALES TAX				54.34

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OCT 25 1993
CONSERVATION DIVISION
WICHITA, KS

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FROM CONFIDENTIAL

Jim Bowen

2755-2040
KA

7/30/93

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$6,415.02

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

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



INVOICE

INVOICE NO.	DATE
507212	07/24/1993

OCT 2 1

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
HANKE "A" 1		STEVENS		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		NONE	CEMENT PRODUCTION CASING		07/24/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR ID	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		876	COMPANY TRUCK	54003

CONFIDENTIAL

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OCT 2 5 1993
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

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

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

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	21 MI		2.75	57.75
		1 UNT			
001-016	CEMENTING CASING	5904 FT		1,650.00	1,650.00
		1 UNT			
030-018	CEMENTING PLUG SW, PLASTIC T	5 1/2 IN		65.00	65.00
		1 EA			
018-315	MUD FLUSH	1260 GAL		.65	819.00
218-738	CLAYFIX II	5 GAL		21.50	107.50
504-118	CEMENT - HALL, LIGHT PREMIUM	50 SK		7.89	394.50
504-131	CEMENT - 50/50 POZMIX PREMIU	365 SK		6.82	2,489.30
507-210	FLOCELE	91 LB		1.40	127.40
507-153	CFR-3	33 LB		4.55	150.15
508-291	GILSONITE BULK	1825 LB		.40	730.00
500-207	BULK SERVICE CHARGE	458 CFT		1.25	572.50
500-306	MILEAGE CMTG MAT DEL OR RETU	397,246 TMI		.85	337.66

INVOICE SUBTOTAL	7,500.76
DISCOUNT-(BID)	1,500.15-
INVOICE BID AMOUNT	6,000.61
*-KANSAS STATE SALES TAX	190.77
*-SEWARD COUNTY SALES TAX	38.93

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FROM CONFIDENTIAL

2755-2040
KH

5-4-93

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$6,230.31

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.

CONFIDENTIAL

NORSEMAN DRILLING, INC.
WICHITA, KANSAS
DRILLERS' WELL LOG

ORIGINAL
KCC

WELL NAME: HANKE "A" #1
SECTION 13-31S-35W
STEVENS COUNTY, KANSAS

OCT 21

CONFIDENTIAL

COMMENCED: JULY 14, 1993

COMPLETED: JULY 24, 1993
API# 15-067-21232

OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth From	To	Formation	Remarks
0	1192	Sand & Redbed	Ran 43 jts of 24#
1193	1409	Glorietta Sand	8 5/8" csg set @
1410	2485	Redbed	1760"; w/625 SX of.
2486	5900	Lime-Shale	50/50 pozmix-4% Gel-2%CC Tailed with 200 SX Class H-3%CC Job complete at 2:45 p.m. 07/16/93.

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KANSAS CORPORATION COMMISSION

OCT 25 1993

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CONSERVATION DIVISION
WICHITA, KS

NOV 21 1994

FROM CONFIDENTIAL

Ran 5 1/2" 15.50#,
Set @ 5900"; Cement
w/50 SX 65/35 Pozmix
Class H; 6% D-20 +
.075 D-60; Tailed
w/365 SX 50/50
Pozmix; 1/4# Flocel;
5# Gelsonite; Plug
down @ 10:45 a.m. on
07/24/93

STATE OF KANSAS

)I, the undersigned, being duly sworn on
)oath, state that the above Drillers' Well
)Log is true and correct to the best of my
)knowledge and belief and according to the
)records of this office.

COUNTY OF SEDGWICK

NORSEMAN DRILLING, INC.

James P. Reilly
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

July 27, 1993

My Appointment Expires:

August 25, 1996

Mary F. Combs
Mary F. Combs, Notary Public
8515 S. West Street
Wichita, KS 67233

