

ORIGINAL

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

API NO. 15-

CONFIDENTIAL

189,21563-0000

County Stevens

Appx. -W/2 - NW Sec. 13 Twp. 31S Rge. 35 XX ^E

Operator: License # 4549

1335 Feet from S (circle one) Line of Section

Name: Anadarko Petroleum Corporation

810 Feet from E (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 # 3

Purchaser: Texaco Trading & Transportation Co.

Field Name Lahey

Operator Contact Person: J. L. Ashton

Producing Formation Chester

Phone (316) 624-6253

Elevation: Ground 2964.7 KB NA

Contractor: Name: Norseman Drilling, Inc.

Total Depth 5871 PBDT 5650

License: 03779

Amount of Surface Pipe Set and Cemented at 1762 Feet

Wellsite Geologist: None **KCC**

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

New Well Re-Entry Workover

Alternate II completion, cement circulated from _____

Oil SWD SIOW Temp. Abdr. CEIVED
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

_____ w/ _____ sx cnt.

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

Drilling Fluid Management Plan ALT 1 JH 8-10-94
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 1000 ppm Fluid volume 5000 bbls

Well Name: _____

Dewatering method used Natural Veaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

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

Operator Name RELEASED

Lease Name _____ License No. _____

9-25-93 10-4-93 1-11-94

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

Spud Date Date Reached TD Completion Date

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.

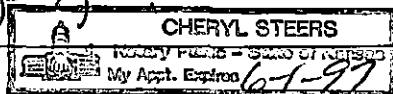
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Beverly J. Williams
Title Technical Assistant Date 1-27-94

Subscribed and sworn to before me this 27 day of January, 1994.

Notary Public Cheryl Steers

Date Commission Expires _____



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

Operator Name Anadarko Petroleum Corporation

Lease Name Hanke "A"

Well # 3

East

County Stevens

Sec. 13 Twp. 31S Rge. 35

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: DUAL INDUCTION
COMPENSATED NEUTRON
MINI
BOREHOLE COMPENSATED ACOUSTIC

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#	1762	Pozmix & Class "H"	825	4% gel, 2% cc 3% cc
Production	7 7/8	5 1/2	15.50#	5812	Pozmix	415	1#/sx flocele 5#/sx gilsonite 10% salt
			DV TOOL	3096	Pozmix	125	1#/sx flocele 5#/sx gilsonite 10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
Perforate					
Protect Casing					
Plug Back TD					
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	
	2	5773-81, 5704-11, 5682-89. CIBP @ 5761		A/3300 gal 28% fe acid & 53 BS.
2	CIBP @ 5670 5574-87		Dmp 2 sxs cmt on top of CIBP. A/1000 gal 15% fe acid + 30 BS. Frac w/700 gal 15% fe acid, 2000 gal 2% KCL wtr + 47,100 gal 35% Borate x-linked 2% KCL wtr + 185,000# 16/30 Ottawa sd.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5609		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
11-4-93	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	102	15	5	148	38.2° @ 60°

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: 5574-87

ATTACHMENT

CONFIDENTIAL

KCC

FEB 7

CONFIDENTIAL

HANKE A-3
SECTION 13-31S-35W
STEVENS COUNTY, KANSAS

API #15-189-21563

ORIGINAL

<u>NAME</u>	<u>TOP</u>
B/STONE CORRAL	1780
CHASE GROUP	2572
COUNCIL GROVE	2872
WABAUNSEE	3180
TOPEKA	3612
HEEBNER	4052
TORONTO	4070
KANSAS CITY "A"	4610
KANSAS CITY "B"	4662
MARMATON	4804
CHEROKEE	4995
ATOKA	5134
MORROW FM.	5328
CHESTER	5429
CHESTER-MARKER	5510
CHESTER SAND	5571
STE. GENEVIEVE	5629
ST. LOUIS	5678
TD	5900

RECEIVED
STATE CORPORATION COMMISSION

FEB - 9 1994

CONSERVATION DIVISION
Wichita, Kansas

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

DATE
 7 25 73

JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.	LEASE	JOB TYPE	TICKET NO.			
ANADARKO PET CORP		A-3	HANKE	8 3/4 SURFACE CSG	207712			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							CALLED OUT READY 1430
	1530							ON LOCT. L.B.D.P.
	1715							FEB 7
	1830							CONFIDENTIAL
	2015							HOOK UP HEAD TO CIRCULATE CIRCULATION TO PIT
	2020							HOOK UP CMT LINE
	2024	6	160				200	START LEAD CMT 13.5" / GAL
	2050	5	38				250	START TAIL CMT 16.4" / GAL
	2058	0	0				0	SHUT DOWN - DROP TAIL PLUG
	2100	10	100				200	START D.S. PLACEMENT H ₂ O
	2117	2	(110)				550	SLOW RATE DOWN 110 TOTAL
	2123						1100	PLUG LANDED = FLOAT HELD
								LIBERAL WS.
								THANK YOU FOR CALLING HALLIBURTON ENERGY SERVICES TIM BROADBENT OF CREW
								ORIGINAL
								RELEASED
								MAY 24 1995
								FROM CONFIDENTIAL
								STATE OF KANSAS ENERGY COMMISSION AUG 12 1994 CONSERVATION DIVISION WICHITA, KANSAS

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

LIBERAL KS.

BILLED ON TICKET NO.

57

FIELD LARRY Units SEC A3 TWP. B WELLS RING. 315 COUNTY STEVENS STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT FEB 7

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 7/8	G.L.	1763	
LINER						
TUBING						
OPEN HOLE			12 1/4	G.L.	1763	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
INSERT 3 7/8	1	H
FILLUP "	1	O
GUIDE SHOE REGULAR "	1	W
CENTRALIZERS S-4 "	3	C
BOTTOM PLUG		O
TOP PLUG 5W Alum "	1	
CEMENT BASKET "	1	
HOWCO WELD "A" 1LB	1	
OTHER		

PERSONNEL AND SERVICE UNITS

DATE	TIME	ON LOCATION	DATE	TIME	JOB STARTED	DATE	TIME	JOB COMPLETED
9-25-73	1200	9-25-73	1530	9-25-73	2024	9-25-93	2130	

NAME	UNIT NO. & TYPE	LOCATION
BROADBENT	44604	LIBERAL KS
POYER	48120	"
MARIN	4549	HUGOTON KS
	52276	"
	76900	"
	50866	"
	75817	"
	4461	"
	4515	"

CONFIDENTIAL

ORIGINAL

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB 8 7/8" SURFACE CSG.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X John Sk...

HALLIBURTON OPERATOR John Burdick

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	625	PREM 5 7/8 B2		B	4% GEL - 2% C.C.	1.44	13.5
1	200	PREM		B	2% C.C.	1.06	16.4

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 42 91 REASON SHOE JT.

SUMMARY

PRESLUSH: BBL _____ TYPE _____

LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

TREATMENT: BBL-GAL. _____ DISPL BBL-GAL. 1103

CEMENT SLURRY BBL-GAL. 160 - 38

TOTAL VOLUME: BBL-GAL. _____

FROM CONFIDENTIAL

RAMARKS

55 BBL CMT PIT

195 SKS.

MAY 24 1995

AUG 1 1994

CONSERVATION DIVISION

MINNER PET. CORP. LEASE HANKE WELL NO. A-3 JOB TYPE SURFACE CSG 8 7/8



CHARGE TO:
ANADARKO PETROLEUM CORP.
 ADDRESS:
P.O. Box 351
 CITY, STATE, ZIP CODE:
LIBERAL KS. 67901

COPY

TICKET

No.

507912 - 9

ORIGINAL

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS 1. LIBERAL KS.	WELL/PROJECT NO. A-3	LEASE HANKE	COUNTY/PARISH STEVENS	STATE Ks.	CITY/OFFSHORE LOCATION	DATE 9-25-93	OWNER ANADARKO
2. HUGOTON KS.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR NORSEMAN DRILL	RIG NAME/NO. NORSEMAN 1st	SHIPPED VIA P.U.	DELIVERED TO LOCATION	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION	TECHNICAL DIVISION AUG 19 1994 OPERATIONS DIVISION WICHITA, KANSAS	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
000-117	KCC FEB 7 CONFIDENTIAL	CONFIDENTIAL				MILEAGE ADC PUMP TRUCK	20	mi	1	UNIT	2.75	55.00
001-016						Pump CHARGE			6	HR		1220.00
030-016						ALUMINUM TOP PLUG	8 5/8	IN	1	EA		120.00
12A						825.317	REGULAR GUIDE SHOE	"	"	"	"	216.00
24A						815.19502	INSERT	"	"	"	"	171.00
27						815.19415	FILLUP	"	"	"	"	55.00
40						807.93059	S-4 CENTRALIZER	"	"	3	EA	72.00
320	800.8888	CONFIDENTIAL				CEMENT BASKET	1	EA			122.00	
350	890.10802					Howco WELD "A"	1	LB	"	"	14.50	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: **X John Shea**

DATE SIGNED: **9-25-93** TIME SIGNED: **1700**

do do not require IPC (Instrument Protection). Not offered

SUB-SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 2251.50
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>		
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 10762.34
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>		
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>		
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) John Shilling	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X John Shea	HALLIBURTON OPERATOR/ENGINEER Jim Bradford 04604	EMP #	HALLIBURTON APPROVAL
---	--	--	-------	----------------------

DATE 10-4-93
TICKET NO. 507928

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
<u>ANADARKO</u>		<u>A-3</u>		<u>HANKE</u>		<u>5 1/2 DULS</u>		<u>507928</u>	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBU) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				ST	CC	TUBING	CASING		
	<u>0900</u>								<u>MAILED - REQUESTED 1300</u>
	<u>1230</u>								<u>On Location - Pump Run Csg</u>
	<u>1545</u>								<u>250 psi. Hook up To Other Pump</u>
	<u>1600</u>								<u>Shut Pumping - SAFETY OFF</u>
	<u>1655</u>								<u>Shut Mud Pump Down Hook up To Air Line</u>
	<u>1700</u>	<u>5</u>	<u>20</u>				<u>250</u>		<u>Pump 20 BBL 29% KCL</u>
	<u>1704</u>	<u>5</u>	<u>30</u>				<u>250</u>		<u>Pump 30 BBL mud flush</u>
	<u>1710</u>	<u>5</u>	<u>20</u>				<u>250</u>		<u>Pump 20 BBL 29% KCL</u>
	<u>1714</u>	<u>5</u>	<u>20</u>				<u>250</u>		<u>Pump 50 SX Searched</u>
	<u>1718</u>	<u>5</u>	<u>90</u>				<u>250</u>		<u>Pump Searched & 14" - Good Return</u>
	<u>1740</u>								<u>Searched in Shut Down - Drop Bottom Pump -</u>
									<u>WASH UP TRIP & Loss</u>
	<u>1745</u>	<u>5</u>	<u>63.5</u>				<u>50</u>		<u>Displace w/ H₂O</u>
	<u>1759</u>	<u>5</u>	<u>74</u>				<u>100+</u>		<u>Displace w/ mud - Good Return</u>
	<u>1812</u>	<u>5.3-2</u>					<u>200/200</u>		<u>Slow Rise - 64 BBL mud loss</u>
	<u>1823</u>		<u>137</u>				<u>200/200</u>		<u>Pump Down - Release Pres - Fluids Holding</u>
	<u>1830</u>								<u>Drop Operating Pressure - 6200 Closing Pump</u>
	<u>1857</u>						<u>0-1250-200</u>		<u>Open Tool - Pumped 12 BBL mud</u>
	<u>1900</u>								<u>Shut Down - Mix mud flush</u>
	<u>1906</u>	<u>5</u>	<u>10</u>				<u>200</u>		<u>Pump 10 BBL 29% KCL - Good Return</u>
	<u>1908</u>	<u>5</u>	<u>20</u>				<u>200</u>		<u>Pump 20 BBL mud flush - " "</u>
	<u>1912</u>	<u>5</u>	<u>10</u>				<u>200</u>		<u>Pump 10 BBL 29% KCL - " "</u>
	<u>1914</u>	<u>5</u>	<u>31</u>				<u>200</u>		<u>Pump 125 SX Searched & 14" - " "</u>
	<u>1920</u>								<u>Searched in Shut Down - Drop Closing Pump &</u>
									<u>Displace w/ acid up</u>
	<u>1925</u>	<u>5</u>					<u>50</u>		<u>Displace w/ H₂O - Good Return</u>
	<u>1937</u>	<u>5-2</u>	<u>100</u>				<u>200/200</u>		<u>Slow Rise -</u>
	<u>1940</u>		<u>74</u>				<u>250/200</u>		<u>Pump Down - Tool Losses @ 1200 PSI</u>
									<u>Release Pres - Holding</u>
									<u>Recovered From Location</u>

CONFIDENTIAL

FEB 7

CONFIDENTIAL

ORIGINAL

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

WELL DATA

FIELD _____ SEC. 13 TWP. 315 RNG. 35W COUNTY Greene STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE DV Cement SET AT 3096

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5870

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5.5	15	5302	
LINER						
TUBING						
OPEN HOLE			7 7/8	0 3/8	5570	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>INSERT IN PIPE</u> 5 1/2	1	<u>Hercules</u>
GUIDE SHOE <u>1 7/8</u>	1	
CENTRALIZERS <u>5.4</u>		
BOTTOM PLUG		
TOP PLUG <u>SET-DV</u>	1	
HEAD		
PACKER		
OTHER <u>BASKET</u>	1	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-4</u>	DATE <u>10-4</u>	DATE <u>10-4</u>	DATE <u>10-4</u>
TIME <u>0900</u>	TIME <u>1230</u>	TIME <u>1615</u>	TIME <u>2030</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Kruschel</u>	<u>C1313</u>	<u>38242</u>
<u>Edwards</u>	<u>D4604</u>	<u>75416</u>
<u>Tate</u>	<u>ENGLE</u>	<u>5302</u>
<u>MARR</u>	<u>F4549</u>	<u>75017</u>

KCC
FEB 7

CONFIDENTIAL

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API

DISPL. FLUID _____ DENSITY _____ LB./GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN.

NE AGENT TYPE _____ GAL. _____ IN.

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN.

GELLING AGENT TYPE _____ GAL.-LB. _____ IN.

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN.

BREAKER TYPE _____ GAL.-LB. _____ IN.

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN.

PERFAC BALLS TYPE _____ GAL.-LB. _____ IN.

OTHER 50 PBL LAMP FLUID

OTHER 5 GAL. Med. Exp II

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

DEPARTMENT 5001

DESCRIPTION OF JOB 5 1/2 INCHES

ORIGINAL

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Joh 6522

HALLIBURTON OPERATOR Kruschel

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	50	5 1/2 x 5 7/8" Ann		B	2 1/2 Taper Gel - 76% DEF-3	1.84	107
2	365	5 1/2 x 5 7/8" Ann		B	3 1/2 Enpac - 5% Guars - 10% SGT	1.35	14
3	125	5 1/2 x 5 7/8" Ann		B	4 1/2 Enpac - 5% Guars - 10% SGT	1.38	14

SUMMARY

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. 60 = 50 TYPE 22-1/4" Ann Press

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 127 = 74

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 106 = 81

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 45 REASON Sube Joint

REMARKS

4 DV Cement @ 3096'



COPY

TICKET

No.

507923 - 9

CHARGE TO: ANADARKO

ADDRESS:

CITY, STATE, ZIP CODE:

PAGE 1 OF 1

FORM 1908 R-12

SERVICE LOCATIONS 1. <u>25540</u>	WELL/PROJECT NO. <u>A-3</u>	LEASE <u>HAWKE</u>	COUNTY/PARISH <u>STEELES</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>10-4-93</u>	OWNER <u>Shale</u>
2. <u>25535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <u>Norseman 41</u>	SHIPPED VIA <u>HAWKO</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>Int 56 LSL</u>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
000-717					MILEAGE	32	MI	2	EA	2.75	176.00
007-013					1 ST STAGE Pumpjack	6	HR	5312			1850.00
007-161					2 ND STAGE Pumpjack						1295.00
018-315					MUD FLOSD	2100	GAL			65	1365.00
218-738					CLA-FIX II	5	GAL			24.00	120.00
12A	825,205				GUIDE SHOOTS	1	EA	52			121.00
24A	815,19251				WISLET	1	EA				110.00
27	815,19311				FILLUP	1	EA				55.00
40	807,93022				CENTRALIZERS	16	EA			44.00	704.00
320	800,5883				BASKET	1	EA				110.00
71	813,80300				DV CEMENTER	1	EA				2450.00
75	813,16510				PUG SET	1	EA				460.00

ORIGINAL

RELEASED

FROM CONFIDENTIAL

FEB 7

CONFIDENTIAL

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <u>X John Shilling</u>	DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	TYPING SIZE	TYPING PRESSURE	WELL DEPTH	SURVEY	AGREE	UN-DECIDED	DJS-AGREE	PAGE TOTAL	8816.00
								OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>			FROM CONTINUATION PAGE(S)	7038.12
								WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>				
								OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>				
								WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>				
								ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			SUB-TOTAL	15,854.12
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered								<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				APPLICABLE TAXES WILL BE ADDED ON INVOICE	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>John Shilling</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X John Shilling</u>	HALLIBURTON OPERATOR/ENGINEER <u>Paul [Signature]</u>	EMP # <u>C1873</u>	HALLIBURTON APPROVAL
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HALLIBURTON ENERGY SERVICES CONFIDENTIAL

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

INVOICE

INVOICE NO:	DATE
509912	10/07/1993

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
HANKE A-3	STEVENS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	NORSEMAN DRILG	CEMENT SURFACE CASING	09/25/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
019595	JOHN SWILLING	33876	
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			57505

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

FEB 7
CONFIDENTIAL
 DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
 210 WEST PARK AVENUE
 SUITE 2000
 OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	20 MI		2.75	55.00
		1 UNT			
001-016	CEMENTING CASING	1681 FT		1,220.00	1,220.00
		1 UNT			
030-016	CEMENTING PLUG SW ALUM TOP	8 5/8 IN		120.00	120.00
		1 EA			
12A	GUIDE SHOE - 8 5/8" BRD THD.	1 EA		216.00	216.00
825.217		1 EA			
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1 EA		171.00	171.00
815.19502		1 EA			
27	FILL-UP UNIT 7" - 8 5/8"	1 EA		55.00	55.00
815.19415		1 EA			
40	CENTRALIZER 8-5/8" X 12.25"	3 EA		72.00	216.00
807.93059		3 EA			
320	CEMENT BASKET 8 5/8"	1 EA		122.00	122.00
800.8888		1 EA			
350	HALLIBURTON WELD-A	1 LB		14.50	14.50
890.10802		1 LB			
504-043	CEMENT - PREMIUM	200 SK		8.95	1,790.00
504-131	CEMENT - 50/50 POZMIX PREMIUM	625 SK		6.92	4,325.00
507-277	HALLIBURTON-GEL BENTONITE	11 SK		15.50	170.50
509-406	ANHYDROUS CALCIUM CHLORIDE	14 SK		28.25	395.50
500-207	BULK SERVICE CHARGE	878 CFT		1.35	1,181.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	745.90 TRIP		0.95	708.61

INVOICE SUBTOTAL

RELEASED

CONSERVATION DIVISION
Wichita, Kansas

10,760.36

MAY 24 1995

DISCOUNT (BID)

3,720.00

INVOICE BID AMOUNT

6,974.04

FROM CONFIDENTIAL

*-KANSAS STATE SALES TAX

501.72

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



HALLIBURTON ENERGY SERVICES

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

INVOICE

CONFIDENTIAL

INVOICE NO. DATE

507912 10/07/1993

WELL LEASE NO./PROJECT WELL/PROJECT LOCATION STATE OWNER

HANKE A-3 STEVENS KS SAME

SERVICE LOCATION CONTRACTOR JOB PURPOSE TICKET DATE

LIBERAL NORSEMAN DRIG CEMENT SURFACE CASING 09/25/1993

ACCT. NO. CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE NO.

019595 JOHN SHILLING 23876 COMPANY TRUCK 57505

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

KCC
FEB 7
CONFIDENTIAL

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

REFERENCE NO. DESCRIPTION QUANTITY UNIT PRICE AMOUNT

*--SEWARD COUNTY SALES TAX 61.59

ORIGINAL

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

STATE OF KANSAS
OCCUPATION DIVISION
Wichita, Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$7,387.69

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HALLIBURTON
ENERGY SERVICES

INVOICE

RELEASED

INVOICE NO.	DATE
507923	10/04/1993

CONFIDENTIAL

WELL LEASE NO./PROJECT: 4 1995

WELL/PROJECT LOCATION:

STATE

OWNER

HANKE "A" 3	STEVENS	KS	SAME
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SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	NORSEMAN #1	CEMENT PRODUCTION CASING	10/04/1993

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
019595	JOHN SHILLING		33876	COMPANY TRUCK	57548

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

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CONFIDENTIAL

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

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	32	MP	2.75	176.00
		2	UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	5812	FT	1,850.00	1,850.00
001-016		1	UNT		
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,295.00	1,295.00
		1	UNT		
018-315	MUD FLUSH	2100	GAL	.65	1,365.00
218-738	CLAYFIX II	5	GAL	24.00	120.00
12A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	121.00	121.00
825,205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	110.00	110.00
815,19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
815,19311					
40	CENTRALIZER 5-1/2" X 7 7/8"	16	EA	44.00	704.00
807,93022					
320	CEMENT BASKET 5 1/2"	1	EA	110.00	110.00
800,8883					
71	MULT STAGE CMTR-5-1/2 BRD	1	EA	2,450.00	2,450.00
813,80300					
75	PLUG-SET - FREE FALL - 2-STAGE	1	EA	460.00	460.00
813,16510					
504-118	CEMENT - HALL. LIGHT PREMIUM	50	SK	8.05	402.50
504-131	CEMENT - 50/50 POZMIX PREMIUM	490	SK	6.92	3,390.80
507-153	CFR-3	33	LB	4.95	160.05
507-210	FLOCELE	123	LB	1.40	172.20
508-291	GILSONITE BULK	2450	LB	.40	980.00
509-948	SALT	2408	LB	.13	313.04
500-207	BULK SERVICE CHARGE	632	CFT	1.35	853.20
500-306	MILEAGE CMTS MAT DEL OR RETURN	817.09	MI	.95	776.24

2777-2040 14

***** 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

P. O. BOX 951046
DALLAS, TX 75395-1046



HALLIBURTON
ENERGY SERVICES
CONFIDENTIAL

INVOICE

ORIGINAL

INVOICE NO.	DATE
507923	10/04/1993

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
HANKE "A" 3	STEVENS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	NORSEMAN #1	CEMENT PRODUCTION CASING	10/04/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
019595	JOHN SHILLING		33876
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	5754E

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

KCC
FEB 7
CONFIDENTIAL

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

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	INVOICE SUBTOTAL				15,864.03
	DISCOUNT-(BID)				3,966.00-
	INVOICE BID AMOUNT				11,898.03
	*-KANSAS STATE SALES TAX				394.89
	*-SEWARD COUNTY SALES TAX				60.60
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$12,373.52

RECEIVED
STATE OF KANSAS
FEB 7 1994
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.