

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 P. O. BOX 351

**ORIGINAL**

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO TRADING COMPANY

Operator Contact Person: J. L. ASHTON

Phone ( 316 ) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

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: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

12-18-94 12-22-94 3-4-95  
Spud Date Date Reached TD Completion Date

API NO. 15- \_\_\_\_\_ 175-21436 -00-00

County SEWARD

SW - SW - NE - NE Sec. 15 Twp. 34S Rge. 34  W

1250 Feet from  N (circle one) Line of Section

1250 Feet from  W (circle one) Line of Section

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

Lease Name CHAMBERS "A" Well # 1H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2919 KB 2929

Total Depth 3050 PBDT 3007

Amount of Surface Pipe Set and Cemented at 661 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 ALT 1 DPW  
(Data must be collected from the Reserve Pit) 4-22-94

Chloride content 1000 ppm Fluid volume 400 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: \_\_\_\_\_

**RELEASED**

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. ADD 3.2 1996

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

**FROM CONFIDENTIAL**

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.

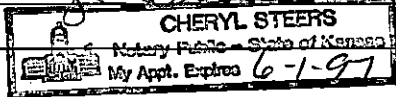
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey  
L. MARC HARVEY  
Title DRILLING TECHNICAL ASSISTANT Date 3-24-95

Subscribed and sworn to before me this 24 day of March, 1995.

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)

RECEIVED  
STATE CORPORATION COMMISSION

MAR 31 1995

CONSERVATION DIVISION  
WICHITA, KANSAS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name CHAMBERS "A" Well # 1H

Sec. 15 Twp. 34S Rge. 34  East  West County SEWARD

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	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum HERRINGTON 2625 KRIDER 2655 WINFIELD 2739 TOWANDA 2799
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

List All E.Logs Run: CCL-CBL-GR, DISFL, ML, NGR, CNL-LDT,

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	24	661	PREMIUM PLUS/ PREMIUM PLUS	225/120	2%CC, / 2%CC
PRODUCTION	7 7/8	5 1/2	15.5	3050	CLASS C/ CLASS C	230/ 40	20%DCD, 2%CC, 1/4#/SXFLC / 10%DCD, 2%CC, 1/4#/SX FLC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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
2	2636-2646', 2660-2676'	ACID W/1300GAL 15% FEHCL, 13 STEPS, 100GAL PER STEP, FL W/270GAL 2%KCL WTR DIVERTA FRAC W/4500GAL 25# LNR GLD 2% KCL WTR & 3000# 40/70 SD. FRAC W/ 13000GAL 25# LNR GLD 2% KCL WTR & 25000# 20/40 SD, LAST 8000# PROBLOCK	2636-2646' & 2660-2676'
2	2676-2727'	NONE	2676-2727'

TUBING RECORD	Size 2 3/8	Set At 2772	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. FIRST PRODUCTION 3-18-95	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas 190 Mcf	Water 3 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: 2636-2727' (OA)

BIG A DRILLING

ORIGINAL

P.O. Box 1856

Liberal, KS. 67905-1856

316-624-1904

RELEASED

APR 22 1996

DRILLERS' WELL LOG

FROM CONFIDENTIAL

WELL NAME: Chambers ALH  
 Section 15/34S/34W  
 Seward County, Kansas

COMMENCED: December 18, 1994

COMPLETED: December 23, 1994

OPERATOR: Anadarko Petroleum Corporation

API# 15-175-21436

Depth		Formation	Remarks
From	To		
0	1144	Sand & Redbed	Ran 16 jts. new 24# 8 5/8 csg. Set @ 661 cement w/360 SX. 75/25 Pozmix, 2% CaCL2 + 1/4# /SK Cellophane. Tail w/150 SX. Common, 2% CaCL2 + 1/4# /SK. Cellophane Plug down @ 8:00 A.M. 12/19/94
1145	1303	Glorietta	
1304	2309	Redbed & Shale	
2310	3050	Lime & Shale	
Ran 72 jts. new 15.50# 5 1/2 csg. Set @ 3049 cement w/230 SX Class C, w/20% Diacel D + 2% CaCL2 + 1/4# /SK Cellophane, tail w/40 SX Class C, w/10% Diacel D, 2% CaCL2 + 1/4# /SK Cellophane Plug Down @ 10:45 A.M. 12/23/94. Rig released @ 11:45 A.M. 12/23/94			

STATE OF KANSAS

COUNTY OF SEWARD

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.

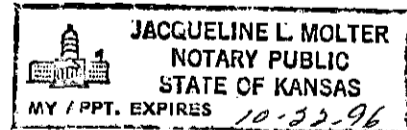
BIG A DRILLING, LC

*William Heskett*

William Heskett, Toolpusher

Subscribed & sworn to before me this

29<sup>th</sup> day of December 1994



My Appointment Expires:

10-22-96

*Jacqueline L. Molter*

Jacqueline L. Molter, Notary Public  
 P. O. Box 1597  
 Liberal, KS 67905-1597



CHARGE TO: AWADARKU  
 ADDRESS: **ORIGINAL**  
 CITY, STATE, ZIP CODE:

COPY  
 No. 705710 - 5  
 TICKET WP  
 PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS 1. 0255410 <u>Luzern</u>	WELL/PROJECT NO. <u>1 H</u>	LEASE <u>C. H. MURKIN #1</u>	COUNTY/PARISH <u>SEWARD</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>12-12-94</u>	OWNER <u>UNION PACIFIC</u>
2. 0255335 <u>Horton</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Big A Drilling</u>	RIG NAME/NO. <u>1</u>	SHIPPED VIA <u>HES</u>	DELIVERED TO <u>LOCARON</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>01</u>	WELL PERMIT NO.	WELL LOCATION	FILED DIVISION MAR 21 1995 WICHITA, KANSAS	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC.	ACCT.	DF		U/M	U/M			
000-117					MILEAGE	1	U	8	25	22 00
001-016					Pump Charge	6	HR	65	9	396 00
030-018					SWITCH TOP PLUG	1	EA			130 00
16 A	230-2171				TEXAS PATH GUIDE	2	EA	1		161 00
20 A	215-19502				INSERT FLOAT	2	EA	1		171 00
27	913 19415				FILL ASSEMBLY	2	EA	1		35 00
40	206-61048				CENTRAL TEERS	2	EA	3	65	195 00
320	206 70060				CMT BASKET	2	EA	1		122 00
350	240-10202				WELD M	1	EA	1		14 50

RELEASED  
 MAR 22 1996  
 FROM CONFIDENTIAL

**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: Jim Barlow

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_

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 <u>1760</u>	FROM CONTINUATION PAGE(S) <u>4,887</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?						
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
WELL DEPTH		ARE YOU SATISFIED WITH OUR SERVICE?		<input type="checkbox"/> YES	<input type="checkbox"/> NO			
TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE				<u>6648</u>	<u>36</u>	
		<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) <u>Jim Barlow</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>Jim Barlow</u>	HALLIBURTON OPERATOR/ENGINEER <u>ROBERT ELWONU</u>	EMP # <u>D. 11360</u>	HALLIBURTON APPROVAL
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# JOB SUMMARY

HALLIBURTON DIVISION M20 Cont  
 HALLIBURTON LOCATION LIBERAL KS

BILLED ON TICKET NO. 25710

## WELL DATA

FIELD \_\_\_\_\_ SEC. 15 TWP. 34 S RING. 3 W COUNTY SCMAD 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 \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 655

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N		8 5/8	K.B.	659	
LINER						
TUBING						
OPEN HOLE			12 1/4	G.L.	655	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-18-94</u>	DATE <u>12-19-94</u>	DATE <u>12-19-94</u>	DATE <u>12-19-94</u>
TIME <u>22:00</u>	TIME <u>00:15</u>	TIME <u>07:20</u>	TIME <u>07:55</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT N/F/11</u>	<u>1</u>	<u>HOWCO</u>
FLOAT SHOE		
GUIDE SHOE <u>Log</u>	<u>1</u>	
CENTRALIZERS <u>S-4</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>S-Wiper</u>	<u>1</u>	
HEAD <u>QCPC</u>	<u>1</u>	
PACKER <u>CNT BASKET</u>	<u>1</u>	
OTHER <u>WELP-A</u>	<u>1</u>	

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. ELWOOD</u>	<u>40075 P.U.</u>	<u>LIBERAL KS</u>
<u>D. NEEFER</u>	<u>52738</u>	<u>"</u>
<u>J. WEDNER</u>	<u>4444</u>	<u>"</u>
<u>D. CARR</u>	<u>63525</u>	<u>HOGAN KS</u>
	<u>Relief</u>	<u>LIBERAL KS</u>

**RELEASED**  
**APR 22 1996**  
**FROM 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 \_\_\_\_\_ 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  
 PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT 5001  
 DESCRIPTION OF JOB 8 3/4 SURFACE  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE [Signature]  
 HALLIBURTON OPERATOR Robert Elwood COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>225</u>	<u>P+ HLC</u>		<u>B</u>	<u>2 3/4 C.C.</u>	<u>2.05</u>	<u>12.3</u>
	<u>120</u>	<u>P+</u>		<u>B</u>	<u>2 3/4 C.C.</u>	<u>1.32</u>	<u>14.8</u>

### 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 41.92 REASON SHOE DOWN

## SUMMARY

## VOLUMES

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. 41  
 CEMENT SLURRY: BBL.-GAL. 82.1 + 28.2  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

REMARKS RECEIVED  
 OPERATOR COMMISSION

**MAR 31 1995**

CONVULSION DIVISION  
 WICHITA KANSAS

CUSTOMER APPROVAL PKT.  
 LEASE CLAMANCES A  
 WELL NO. 1-H  
 JOB TYPE 8 3/4 Surface  
 DATE 12-18-94

FIELD **Hugoton** SEC. **15** TWP. **34S** RNG. **34W** COUNTY **SEWARD** 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 \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH **3050**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.50	5 1/2	GL	3049	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE	1	Howco
GUIDE SHOE	1	
CENTRALIZERS	14	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER		
OTHER		

**JOB DATA**

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <b>12-23-94</b>	DATE <b>12-23-94</b>	DATE <b>12-23-94</b>	DATE <b>12-23-94</b>
TIME <b>0200</b>	TIME <b>0430</b>	TIME <b>0940</b>	TIME <b>1035</b>

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ LB. \_\_\_\_\_  
 GELLING AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ LB. \_\_\_\_\_  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ LB. \_\_\_\_\_  
 BREAKER TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ LB. \_\_\_\_\_  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<b>W. Fox</b>	<b>04437</b>	<b>40078 P.U. Liberal</b>
<b>H. Tadder</b>	<b>56623</b>	<b>7131 RLM</b>
<b>S. Porter</b>	<b>99613</b>	<b>7649 Bulk Hugoton</b>
<b>M. Howe</b>	<b>F7843</b>	<b>7763 Bulk</b>

**RELEASED**  
 APR 22 1996

DEPARTMENT **SPRINT CONFIDENTIAL**  
 DESCRIPTION OF JOB **5 1/2" Production String**  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE **X [Signature]**  
 HALLIBURTON OPERATOR **Wes Fox** COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	230	Rem Plus		B	20% Diacel D- 2% CC- 1/4" Floccle	2.66	12.0
2	40	Rem Plus		B	10% Diacel D- 2% CC- 1/4" Floccle	2.09	13.0

**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 **0** REASON \_\_\_\_\_

**SUMMARY**  
 PRESLURRY **50** TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL. **72.7**  
 CEMENT SLURRY **6** **110 - 14.9 = 114.9**  
 TOTAL VOLUME **2457.6**  
 STATE OF \_\_\_\_\_ REMARKS \_\_\_\_\_  
**SEE JOB LOG**  
**MAR 2 1995**  
 CONSENT \_\_\_\_\_ WICHITA KANSAS

CUSTOMER **Amorlapko**  
 LEASE **Chambers A**  
 WELL NO. **1-H**  
 JOB TYPE **5 1/2" Long String**  
 DATE **12-23-94**



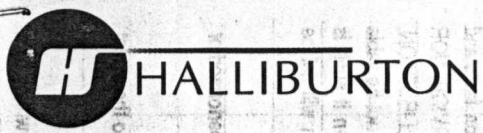


JOB LOG HAL-2013-C

DATE 12-23-94 PAGE NO. 1

CUSTOMER Anadarko WELL NO. 1-H LEASE Chambers A JOB TYPE 5 1/2 Long String TICKET NO. 705977

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(EST)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							Called out
	0430							ON Location - Rig Lay down Drill pipe
	0530							Setup Co. TRUCK
	0535							SAFETY MEETING
	0745							Run 5 1/2" Casing
	0910							Pipe on Bottom
	0915							Hook up Circulating Iron
	0920							BREAK Circulation - Mix Mud Flush
	0939							Hook to Halliburton
	0940	4	10				350	Pump 2% KCL WATER SPACER
	0944	4	30				350	Pump Mud Flush
	0954	4	10				350	Pump 2% KCL WATER SPACER
	0957	7	110				400	Mix 230 SKS LEAD CEMENT AT 12.0 PPG
	1013	7	14.9				400	Mix 40 SKS Tail CEMENT AT 13.0 PPG
	1017							Shut Down - wash pumps & lines
	1020	7	72.7				300	DROP Plug + Displace CEMENT
	1029	7					900	Circulate CEMENT to surface
	1032	7 1/3					800	Slow Rate
	1035	3/0					900 / 1400	Plug Down - Float Held
								Job Complete
								RELEASED
								APR 22 1996
								FROM CONFIDENTIAL
								CEMENT Circulated to P. #1 ✓ 16 Bbl 34 SKS
								ORIGINAL
								Thanks For Calling Halliburton WES & CREW



HALLIBURTON

HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: ANALYSIS  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

COPY

TICKET

No.

705977 - 8

PAGE 1 OF 1

1. SERVICE LOCATIONS: 1-11 WELL/PROJECT NO. 1-11 LEASE 1-11 COUNTY/PARISH SEWARD STATE NE CITY/OFFSHORE LOCATION \_\_\_\_\_ DATE 12/23/11 OWNER 54114

2. TICKET TYPE:  SERVICE  SALES NITROGEN JOB?  YES  NO CONTRACTOR 1-11 RIG NAME/NO. \_\_\_\_\_ SHIPPED/DELIVERED TO VIA \_\_\_\_\_ ORDER NO. \_\_\_\_\_

3. WELL TYPE 02 WELL CATEGORY 01 JOB PURPOSE ANALYSIS WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION \_\_\_\_\_

4. REFERRAL LOCATION \_\_\_\_\_ INVOICE INSTRUCTIONS \_\_\_\_\_

RELEASED APR 22 2 1996 FROM CONFIDENTIAL

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	1	123	12	1	2.72	33.00
001-016					Perm Change	6	205	24	1		1500.00
032-018					500 per 700' Dig	1	1			1.65	65.00
018-315					Mud Flush	1250	1			1.65	819.00
814-163					CLAP A 71	2	100			24.00	48.00
26	847.6318				Inst 824 F1.200 3Kw	1	1	5'			350.00
42	146222				C. 2-1-10-2	14	100			44.00	616.00
27	151931				F 140	1	100				50.00

ORIGINAL

**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.

SUB SURFACE SAFETY VALVE WAS:  PULLED & RETURN  PULLED  RUN

TYPE LOCK \_\_\_\_\_ DEPTH \_\_\_\_\_

BEAN SIZE \_\_\_\_\_ SPACERS \_\_\_\_\_

TYPE OF EQUALIZING SUB. \_\_\_\_\_ CASING PRESSURE \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ TUBING PRESSURE \_\_\_\_\_ WELL DEPTH \_\_\_\_\_

TREE CONNECTION \_\_\_\_\_ TYPE VALVE \_\_\_\_\_

**SURVEY**

AGREE \_\_\_\_\_ UN-DECIDED \_\_\_\_\_ DIS-AGREE \_\_\_\_\_

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? \_\_\_\_\_

WE UNDERSTOOD AND MET YOUR NEEDS? \_\_\_\_\_

OUR SERVICE WAS PERFORMED WITHOUT DELAY? \_\_\_\_\_

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? \_\_\_\_\_

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

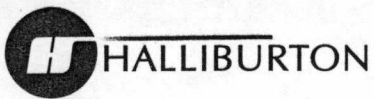
PAGE TOTAL 3486

FROM CONTINUATION PAGE(S) 1468

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 9954

**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) \_\_\_\_\_ CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X [Signature] HALLIBURTON OPERATOR/ENGINEER [Signature] EMP # 29437 HALLIBURTON APPROVAL \_\_\_\_\_



TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 725777

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

116 PLC

CUSTOMER APC

WELL Chambers

DATE 12-23-94 PAGE OF

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-050	516.00265				Premium Plus Cement	270	sk			11.19	3021.30
507-210	890.50071				Flocelex#/270sk	68	lb			1.65	112.20
509-406	890.50812				Calcium Chloride 2%/230sk/10%-40sk	5	sk			36.75	183.75
500-959	70.155 24				Diacel-D 20%/230sk-10%/40sk	4700	lb			42	1974.00
					ORIGINAL						
					RELEASED						
					APR 22 1996						
					FROM CONFIDENTIAL						
					RECEIVED STATE CORPORATION COMMISSION						
					RECEIVED STATE CORPORATION COMMISSION						
					MAR 3 1 1995						
					MAR 3 1 1995						
					CONSERVATION DIVISION WICHITA KANSAS						
500-207					SERVICE CHARGE					CUBIC FEET 561	135 757.35
500-306					MILEAGE CHARGE	TOTAL WEIGHT 26,768	LOADED MILES 33			TON MILES 441.67	95 419.59

No. B 263406

CONTINUATION TOTAL 6418.44