

ORIGINAL

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: NONE \*\*

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING INC

License: 3779

Wellsite Geologist: NA

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  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  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

12-21-94 12-30-94 4-17-95\*\*  
Spud Date Date Reached TD Completion Date  
\*\* WAITING ON PIPELINE

API NO. 15- 129-21318-0000

County MORTON

N/2 - SW - SW Sec. 26 Twp. 32S Rge. 41

990 Feet from  (circle one) Line of Section

660 Feet from  (circle one) Line of Section

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

Lease Name GOING "A" Well # 4H \*

\* PREVIOUSLY NAMED THE GOING "A" 4  
Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3402.4 KB --

Total Depth 3100 PBTB 2400

Amount of Surface Pipe Set and Cemented at 733 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 2745'  
feet depth to surface w/ 340 sx cmt.

Drilling Fluid Management Plan ALT II 1-31-96  
(Data must be collected from the Reserve Pit) DPW

Chloride content 2000 ppm Fluid volume 400 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. \_\_\_\_\_

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.

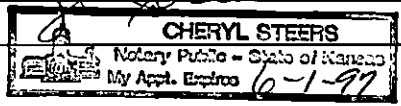
Signature L. Marc Harvey  
L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 4-18-95

Subscribed and sworn to before me this 18 day of April,  
19 95.

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)

Form ACO-1 (7-91)

RECEIVED  
STATE CORPORATION COMMISSION  
4-19-95  
APR 19 1995  
CONSERVATION DIVISION  
WICHITA, KANSAS

Operator Name: ANADARKO PETROLEUM CORPORATION Lease Name GOING "A" Well # 4H 1

Sec. 26 Twp. 32S Rge. 41  East  West  
 County MORTON

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: CBL-CCL-GR, DIL, MSFL, ML, CNL-LDT, NGR.

<input checked="" type="checkbox"/> Log Name	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample Datum
	Top	Datum
KRIDER	2140	
WINFIELD	2192	
TOWANDA	2268	
FT.RILEY	2334	
FLORENCE	2373	
WREFORD	2415	

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	733	PREM PLUS LT/ PREM PLUS	215/120	2%CC/ 2%CC
PRODUCTION	7 7/8	5 1/2	15.5	2746	CLASS C/ CLASS C	300/40	20%DCD, 2%CC 1/4#/SX FLC/ 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 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	2194-2204', 2152-2158'	ACID: 800GAL 7 1/2% FEHCL & 40 BS. FRAC: 4500GAL 25# LNR GLD 2% KCL WTR & 3000# 40/70 SD. FRAC 14000GALS 25# LNR GLD 2% KCL WTR & 37500# 20/40 SD.	2194-2204' & 2152-2158'
2	2204-2208' 2216-2226'	NONE	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	2250'			

Date of First, Resumed Production, SWD or Inj. **	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 50 Mcf	Water 10 Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: \*\* METHOD OF COMPLETION Production Interval  
 Vented  To Be Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_ 2152-2204' (OA)

\*\* WAITING ON PIPELINE

ORIGINAL

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

WELL NAME: GOING A-4  
SECTION 26-32S-41W  
MORTON COUNTY, KANSAS  
COMMENCED: DECEMBER 20, 1994  
COMPLETED: DECEMBER 31, 1994 API#15-129-21318  
OPERATOR: ANADARKO PETROLEUM CORPORATION

Depth		Formation	Remarks
From	To		
0	1123	Sand & Redbed	Ran 19 jts of 24# 8 5/8" csg set @ 733'; w/215 SX of Premium Plus Light; Class H; 2% CC; Tailed w/120 SX Premium Plus; 2% CC; Plug down at 8:30 p.m. on 12/21/94.
1124	1239	Glorietta Sand	
1240	1979	Redbed & Shale	
1980	3100	Lime - Shale	

Ran 64 jts 5 1/2" 15.5#, Set @ 2745'; w/300 SX  
Premium; 20% Diacel D; 2% CC; 1/4# Flocele; Tailed  
w/40 SX Premium; 10% Diacel D; 2% CC; 1/4# SX Flocele;  
Plug down at 11:40 a.m., on 12/31/94.

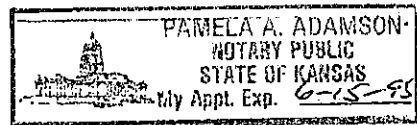
STATE OF KANSAS ) I, the undersigned, being duly sworn on  
oath, state that the above Drillers' Well  
Log is true and correct to the best of my  
knowledge and belief and according to the  
COUNTY OF SEDGWICK ) records of this office.

NORSEMAN DRILLING, INC.

*James P. Reilly*  
JAMES P. REILLY, PRESIDENT

Subscribed & sworn to before me this

January 9, 1995



My Appointment Expires:

June 15, 1995

*Pamela A. Adamson*  
Pamela A. Adamson, Notary Public  
340 Seville  
Wichita, KS 67209

RECEIVED  
STATE OF KANSAS  
COMMISSION

APR 19 1995

CONSERVATION DIVISION  
WICHITA, KANSAS



# JOB SUMMARY

HALLIBURTON DIVISION Mid Cont  
 HALLIBURTON LOCATION Liberal, KS

BILLED ON TICKET NO. 635450

FIELD Dunkle SEC 26 TWP 32S RNG 41W COUNTY Morton 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 734

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>24</u>	<u>8 5/8</u>	<u>KB</u>	<u>730</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-21-94</u>	DATE <u>12-21-94</u>	DATE <u>12-21-94</u>	DATE <u>12-21-94</u>
TIME <u>1230</u>	TIME <u>1530</u>	TIME <u>2006</u>	TIME <u>2034</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<del>Float</del> <u>Insert Float</u>	<u>1</u>	<u>Howco</u>
Float shoe		
Guide shoe	<u>1</u>	
Centralizers	<u>3</u>	
Bottom plug		
Top plug	<u>1</u>	
Head	<u>1</u>	
<del>Head</del> <u>Basket Weld</u>	<u>1</u>	
Other	<u>1#</u>	

### 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 \_\_\_\_\_

NAME	UNIT NO. & TYPE	LOCATION
<u>W. Fox</u>	<u>04437</u>	<u>40076 P.U. Liberal</u>
<u>HiTadder</u>	<u>56623</u>	<u>7131 RCM</u>
<u>M. Howe</u>	<u>4673</u>	<u>Butk Hugoton</u>

DEPARTMENT 5001 - CEMENT  
 DESCRIPTION OF JOB 8 5/8 SURFACE PIPE

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X John Kelly  
 HALLIBURTON OPERATOR Wes Fox COPIES REQUESTED \_\_\_\_\_

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>215</u>	<u>Prem Plus Lt</u>		<u>B</u>	<u>2% CC</u>	<u>2.06</u>	<u>12.3</u>
<u>2</u>	<u>120</u>	<u>Prem Plus</u>		<u>B</u>	<u>2% CC</u>	<u>1.32</u>	<u>14.8</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL. 43.9  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY BBL. = 79 - 2812  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME BBL. = 151.1  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 40.14 REASON SHOE Joint

SEE JOB LOG

REMARKS STATE CORPORATION COMMISSION

RECEIVED  
 APR 19 1995

CONSERVATION DIVISION  
 WICHITA, KANSAS

CUSTOMER Aradarko  
 LEASE Grains  
 WELL NO. 14  
 JOB TYPE 8 5/8 Surface Pipe  
 DATE 12-21-94



JOB LOG HAL-2013-C

DATE 12-27-94 PAGE NO. 1

CUSTOMER Anadarko WELL NO. #4 LEASE Going "A" JOB TYPE 8 5/8 Surface Pipe TICKET NO. 635450

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							Called out for 1530
	1530							ON LOCATION Rig Drilling at 592
	1600							Setup Co. Truck
	1605							SAFETY MEETING
	1745							Rig Surface TD + Circulate
	1800							Stand Back Drill Pipe
	1900							Run 8 5/8 casing
	1945							Pipe on bottom - Change Elevators
	1955							Hook up circulating iron
	2000							Break Circulation
	2005							Hook to Halliburton
	2006	7	79				300	Mix 215 SKS Lead Cement @ 12.3 PPG
	2017	7	28.2				300	Mix 120 SKS Tail Cement @ 14.8 PPG
	2023							Shut Down
	2024	6	45				250	Drop Plug + Displace Cement
	2028	6					250	Circulate Cement to Surface - 64 SKS
	2031	6/3					300	Slow Rate
	2034	3/0					350/300	Plug Down - Float Held
								Job Complete
								Cement Circulated to Pit ✓
								24 Bbl - 64 SKS
								Thanks For Calling
								Halliburton
								UES + CREW

ORIGINAL

RECEIVED STATE CORPORATION COMMISSION

APR 13 1995

CONSERVATION DIVISION WICHITA, KANSAS



CHARGE TO: *Am... ..*

ADDRESS: *...*

CITY, STATE, ZIP CODE: *...*

COPY

TICKET

No.

635450 - 2

PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <i>...</i>	<i>1121</i>	<i>...</i>	<i>...</i>	<i>K</i>	<i>...</i>	<i>12/21/94</i>	<i>...</i>
2. <i>...</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3. <i>...</i>	<input type="checkbox"/>	<input type="checkbox"/>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>
4. <i>...</i>	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	RECEIVED BY CORPORATION CLERK	
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M.	QTY.	U/M.	UNIT PRICE	AMOUNT
002-117			MILEAGE 7.51	1	EA	1		2.5	2.5
001-016			Pump Change	7300	EA	1		1.2	8760
033-18			Service Trip	1	EA	1		130	130
316-08	602 2171		TRIP PUMP - 602 2171	1	EA	1		121	121
324-08	602 2171		TRIP PUMP - 602 2171	1	EA	1		171	171
413	602 2171		TRIP PUMP - 602 2171	1	EA	1		193	193
537	602 2171		TRIP PUMP - 602 2171	1	EA	1		122	122
5350	602 2171		TRIP PUMP - 602 2171	1	EA	1		4	4
5378	602 2171		TRIP PUMP - 602 2171	1	EA	1		50	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**

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  A.M.  P.M.

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

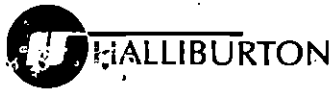
SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			
TYPE OF EQUALIZING 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	<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): \_\_\_\_\_ CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **X**

HALLIBURTON OPERATOR/ENGINEER: \_\_\_\_\_ EMP #: \_\_\_\_\_ HALLIBURTON APPROVAL: \_\_\_\_\_





# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Mid Cont  
Liberal, KS

BILLED ON TICKET NO. 705979

FIELD Dunkle SEC. 26 TWP. 32S RING. 41W COUNTY Morton 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 2745

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	GL	2745	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-30-94</u>	DATE <u>12-31-94</u>	DATE <u>12-31-94</u>	DATE <u>12-31-94</u>
TIME <u>2300</u>	TIME <u>0230</u>	TIME <u>1035</u>	TIME <u>1140</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE	<u>1</u>	<u>Howo</u>
GUIDE SHOE		
CENTRALIZERS	<u>14</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER		
OTHER		

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. Fox</u>	<u>04437</u>	<u>40078 P.U. Liberal</u>
<u>H. Tedder</u>	<u>56623</u>	<u>7131 RCM</u>
<u>R. Anderson</u>	<u>68213</u>	<u>75817 Bulk Hugoton</u>
<u>P. Boone</u>	<u>69614</u>	<u>75505 Bulk</u>

### 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 - 5001  
DESCRIPTION OF JOB 5 1/2 Long 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.
<u>1</u>	<u>300</u>	<u>Prem Plus</u>		<u>B</u>	<u>20% Diacet-D / 2% CC / 1/4# Flocc</u>	<u>2.69</u>	<u>12.0</u>
<u>2</u>	<u>40</u>	<u>Prem Plus</u>		<u>B</u>	<u>10% Diacet-D / 2% CC / 1/4# Flocc</u>	<u>2.09</u>	<u>13.0</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 0 REASON \_\_\_\_\_

### SUMMARY

PRESLURRY BBL 50 TYPE \_\_\_\_\_  
LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL. BBL 65.3  
CEMENT SLURRY BBL 143.7 - 14.9  
TOTAL VOLUME: BBL-GAL. 273.9

### REMARKS

SEE Job Log  
STATE CORPORATION COMMISSION  
APR 7 9 1995

CUSTOMER: Avadafx  
LEASE: going "A"  
WELL NO.: 44  
JOB TYPE: 5 1/2 Long String  
DATE: 12-31-94





CUSTOMER Anadarko	WELL NO. #4	LEASE Goina "A"	JOB TYPE 5 1/2 Long String	TICKET NO. 705979
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							Called out for 0300
	0230							ON Location - Rig LDDP
	0330							Setup Co. Tractor
	0335							Safety Meeting
	0500							Nipple Down
	0800							Rig up CASERS ORIGINAL
	0830							Fix Tongs
	0840							Run 5 1/2 Casing in Hole
	1010							Pipe on Bottom
	1017							Hook up Circulating Iron
	1019							Break Circulation - Mix mud Flush
	1034							Hook to Halliburton
	1035	4	10				500	Pump 2% KCL H2O SPACER
	1037	5	30				600	Pump Mud Flush
	1044	4	10				500	Pump 2% KCL H2O SPACER
	1048	7	143				600	Mix 300 SKS LEAD CEMENT AT 12PPG
	1111	7	14.9				500	Mix 40 SKS Tail CEMENT AT 13PPG
	1125							Shut Down - Change H2O HOSE - <del>leaking</del>
	1122							WASHUP PUMPS & LINES
	1125	6	65.3				700	Drop Plug + Displace CEMENT
	1134	6					800	Circulate CEMENT To SURFACE - 20 Bbl.
	1136	6/3					1000/800	Slow Rate - LAST 10 Bbl
	1140	3/6					900/400	Plug Down - Float Held
								Job Complete
								CEMENT Circulated to P/A ✓ 20 Bbl - 42 SKS
								Plug Landing PSI - 900 PSI Bump to - 1400 PSI
								Thanks For Calling Halliburton WES HEW

# HALLIBURTON

## HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO:  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. 705979 - X

PAGE 1 OF 1

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
600-117					MILEAGE 7131	1	hr	115	hr	378	12
05-2-01					Part 3	270	hr	6	hr	1415	
010-310					...	1	hr	5	hr	8	1
...					...	1	hr	100	hr	817	
...					...	2	hr	24	hr	18	
...	347-031				...	1	hr	3	hr	10	
...	...				...	1	hr	1	hr	10	
...	...				...	1	hr	1	hr	10	
...	...				...	3	hr	230	hr	735	

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.

**CUSTOMER OR CUSTOMER'S AGENT SIGNATURE**  
 X *Equival Br*

**DATE SIGNED** \_\_\_\_\_ **TIME SIGNED** \_\_\_\_\_

A.M.  P.M.

do not require IPC (Instrument Protection).  Not offered

**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** 4/429

**FROM CONTINUATION PAGE(S)** 3184

**SUB-TOTAL** 12613

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)** \_\_\_\_\_ **CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)** X *Equival Br*

**HALLIBURTON OPERATOR/ENGINEER** \_\_\_\_\_ **EMP #** \_\_\_\_\_ **HALLIBURTON APPROVAL** \_\_\_\_\_

