

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: ANADARKO TRADING COMPANY

Operator Contact Person: J. L. ASHTON

Phone ( 316 ) 624-6253

Contractor: Name: GABBERT-JONES

License: 5842

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. \_\_\_\_\_

1-24-96 2-7-96 \*\*  
Spud Date Date Reached TD Completion Date  
\*\* WAITING ON COMPLETION

RELEASED

JUL 31 1997

FROM CONFIDENTIAL

API NO. 15- 189-22038

County STEVENS

C - SE - SE - NW Sec. 31 Twp. 33S Rge. 38

2310 Feet from  (circle one) Line of Section

2310 Feet from  (circle one) Line of Section

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

Lease Name LIGHT "F" Well # 2

Field Name GENTZLER SW

Producing Formation MORROW

Elevation: Ground 3230.4 KB --

Total Depth 6400 PBTB 6324

Amount of Surface Pipe Set and Cemented at 1742 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3095 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) 6-14-94

Chloride content 900 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: KCC

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

Lease Name \_\_\_\_\_ License No. MAY 2 1

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S CONFIDENTIAL

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 David W. Kapple

Title DIVISION DRILLING ENGINEER Date 5/20/96

Subscribed and sworn to before me this 20th day of May, 19 96.

Notary Public L. Marc Harvey

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

RECEIVED Form ACO-1 (7-91)  
KANSAS CORPORATION COMMISSION

MAY 22 1996

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name: LIGHT "F" Well # 2

Sec. 31 Twp. 35S Rge. 38  East  West

County STEVENS

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: SBT-CCL-GR, DIL, ML, EMI, SONIC, CNL-LDT.

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
B/STONE CORRAL	1740	
CHASE	2550	
COUNCIL GROVE	2880	
HEEBNER	4144	
LANSING	4276	
MARMATON	4968	
MORROW	5764	
CHESTER	6280	

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
CONDUCTOR		20		76	PREM PLUS	400	2%CC
SURFACE	12-1/4	8-5/8	24	1742	MIDCON/P+	580/160	3%CC, 1/4#SKFLC/ 2%CC, 1/4#SKFLC
PRODUCTION	7-7/8	5-1/2	15.5	6375	VERSASET	270	.6%HALAD-322, 5% KCL, .9%VERSASET 1/4#SKFLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD F.O. TOOL @ 3095 P+/MIDCON 60 NONE

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 checked="" type="checkbox"/> Plug Off Zone	5976-5982	CLASS H	50	.6% HALAD 322

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	5976-5988', SQD	NONE	5976-5988'
4	6225-6231', CIBP @ 6238', 6291'	3000 GAL 75 Q N2 & 750 GAL 7-1/2%FEHCL	6225-6231'

TUBING RECORD **	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. \*\* Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil ** Bbls.	Gas ** Mcf	Water ** Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 Method of Production:  Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

\*\* WAITING ON COMPLETION

Kcc

GABBERT-JONES, INC.  
WICHITA, KANSAS

ORIGINAL

DRILLER'S WELL LOG

WELL NAME: Light F-2  
Sec 31-33S-38W  
Stevens County, Kansas

CONFIDENTIAL

COMMENCED: January 24, 1996  
COMPLETED: February 9, 1996  
OPERATOR: Anadarko Petroleum Corporation

DEPTH		FORMATION	REMARKS
From	To		
0	118	Sand	Ran 42 jts New 24#
118	935	Sand,Redbed	8 5/8" Csg (1742')
935	1210	Redbed,Gypsum	LD @ 1729' Cem w/565
1210	1414	Sand	sk's Prem + Midcon
Re-drill			3% CC 1/4# FS 160 sk's
76	1414		Prem + 2% CC 1/4# FS
1414	1729	Redbed,Gypsum	Did Not Circ
1729	2130	Anhy,Redbed,Shale	PD @ 10:15AM 01/29/96
2130	2533	Shale	1" to 100' w/200 sk's CH
2533	2740	Shale	2% CC PD @ 12:30PM 01/29/96
2740	2990	Lime & Shale	1" to 80' w/200 sk's CH
2990	3250	Lime & Shale	2% CC PD @ 3:30PM 01/29/96
3250	3450	Lime & Shale	
3450	3605	Lime & Shale	
3605	3840	Lime & Shale	
3840	4035	Lime & Shale	
4035	4200	Shale & Lime	
4200	4380	Lime & Shale	
4380	4560	Lime & Shale	
4560	4700	Shale & Lime	
4700	4840	Lime & Shale	
4840	4961	Lime & Shale	
4961	4995	Shale & Lime	
4995	5145	Lime & Shale	
5145	5305	Shale & Lime	
5305	5430	Lime & Shale	Ran 153 jts New 15.5# 5 1/2" Csg (6390')
5430	5575	Lime & Shale	LD @ 6375' w/FO Tool @ 3095' Cem w/270 sk's
5575	5735	Shale & Lime	9% Veraset .6% Hailid #322 1/4# CF
5735	5865	Lime & Shale	PD @ 9:30AM 02/09/96
5865	6005	Shale & Lime	RR @ 10:20AM 02/09/96
6005	6128	Lime & Shale	15 Sk's Cement in Rat Hole
6128	6235	Lime & Shale	15 Sk's Cement in Mouse Hole
6235	6345	Lime & Shale	
6345	6400	Lime & Shale	

KCC  
MAY 21  
CONFIDENTIAL

RELEASED

MAY 31 1997

FROM CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION  
WICHITA, KS

[STATE OF KANSAS]  
[COUNTY OF SEDGWICK]

Subscribed and sworn to before me this  
13<sup>th</sup> day of February, 1996.

*Shirley A. Pelz*  
Shirley A. Pelz, Notary Public  
My commission expires:  
October 18, 1997

I, the undersigned, being sworn on oath, state that  
the above Driller's Well Log is true and correct to  
the best of my knowledge and belief and according  
to the records of this office.  
GABBERT-JONES, INC.

*Jack W. Gabbert*  
Jack W. Gabbert - President





# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION  
Wichita, KS

BILLED ON TICKET NO. 919656  
KCC

## WELL DATA

FIELD \_\_\_\_\_ SEC. 21 TWP. 23S RNE. 38W 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 \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U		20	31	20	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-26-96</u>	DATE <u>1-26-96</u>	DATE <u>1-26-96</u>	DATE <u>1-26-96</u>
TIME <u>1130</u>	TIME <u>1330</u>	TIME <u>1830</u>	TIME <u>1940</u>

## TOOLS AND ACCESSORIES

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

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Tom Payer</u>	<u>3824</u>	<u>Liberal, KS</u>
<u>Sandy Tate</u>	<u>48120</u>	<u>Liberal, KS</u>
<u>Sharon Porter</u>	<u>E0568</u>	<u>Liberal, KS</u>
<u>Bill Hightower</u>	<u>75505</u>	<u>Liberal, KS</u>

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
 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 \_\_\_\_\_

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 MAY 21 1997  
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DEPARTMENT 5001  
 DESCRIPTION OF JOB Set Conductor Pipe

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

CUSTOMER REPRESENTATIVE [Signature]  
 HALLIBURTON OPERATOR [Signature]  
 COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>400</u>	<u>P7</u>		<u>B</u>	<u>2% CC, 1/4 3/16 Flaccle</u>	<u>132</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 \_\_\_\_\_ REASON \_\_\_\_\_

SUMMARY  
 PRESLUSH 4 BBL. GAL. TYPE H2O  
 LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. GAL. \_\_\_\_\_  
 TREATMENT: BBL. GAL. \_\_\_\_\_ DISP. 26 BBL. GAL.  
 CEMENT SLURRY BBL. GAL. 94  
 TOTAL VOLUME: BBL. GAL. \_\_\_\_\_

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 KANSAS CORPORATION COMMISSION  
 MAY 22 1996  
 MAY 22 1996

CONSERVATION DIVISION  
 WICHITA, KS

CONSERVATION DIVISION  
 WICHITA, KS

CUSTOMER AND DATE  
 LEASE 1997 F  
 WELL NO. 2  
 JOB TYPE 005  
 DATE 5-26-96



JOB LOG HAL-2013-C

CUSTOMER		WELL NO.	LEASE	JOB TYPE		TICKET NO.
Anadarko Pet		Light #E2	Light "F"	005		919656
CHART NO.	TIME	RATE (BPM)	VOLUME (BBB) (GAL)	PUMPS T C	PRESSURE (PSI) TUBING CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1130					Called out - Requested man
	1420					on loc. - hole cased in - in on road
	1500					Drilling
	1600					Run csg. ORIGINAL
						wait on relief welders
						Csg on Bottom
						Hook up to cmt.
	1826	0-2	4	✓	920	Pump H <sub>2</sub> O
	1830	2	94	✓	20	Pump cmt.
	1914	2	26	✓	20	Pump H <sub>2</sub> O - Displacement
	1940	2-0		✓	40	Shut in
						Flow back to lower casing ✓
						<u>Good circulation + Cement to surface</u>

Thank you!

Tom, Seamy, Shawn

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MAY 21 1996 CONFIDENTIAL

RELEASED JUL 31 1997

FROM CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION WICHITA, KS



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO:

Andrako Petroleum Corp.

ADDRESS

CITY, STATE, ZIP CODE

CUSTOMER COPY

TICKET

No:

919656 - 1

PAGE OF

1 2

Vertical text on the left edge of the page, including '10023' and '10023'.

SERVICE LOCATIONS 25540 25535	WELL/PROJECT NO.	LEASE Light F	COUNTY/PARISH Stearns	STATE KS	CITY/OFFSHORE LOCATION Fritchville	DATE 1-26-96	OWNER
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR R&W	RIG NAME/NO.	SHIPPED VIA Hes	DELIVERED TO wellsite	ORDER NO.	
WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 005		WELL PERMIT NO. AP11518-9220320000	WELL LOCATION Land (31-332-3811)		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

CONFIDENTIAL  
MAY 22 1996

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	R/T	EA mi	40 mi		2.85	1140.00
000-119					Crew mileage	R/T	EA mi	40 mi		1.50	600.00
001-016					Pump change						585.00

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MAY 31 1997

FROM CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION  
WICHITA, KS

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: Jan 26 1996 TIME SIGNED: 10:00

A.M.  P.M.

do  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

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  AGREE  UN-DECIDED  DIS-AGREE

WE UNDERSTOOD AND MET YOUR NEEDS?  AGREE  UN-DECIDED  DIS-AGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  AGREE  UN-DECIDED  DIS-AGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  AGREE  UN-DECIDED  DIS-AGREE

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	933.00
FROM CONTINUATION PAGE(S)	6350.76
SUB-TOTAL	7283.76
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>Jan Beckow</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Jan Beckow</u>	HALLIBURTON OPERATOR/ENGINEER <u>Steve Pappas</u>	EMP # <u>48170</u>	HALLIBURTON APPROVAL
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HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

TICKET CONTINUATION

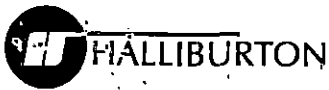
CUSTOMER COPY

TICKET No. 919656

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-050	516.00265				Premium Plus Cement	400	sk			12.62	5048.00
509-406	890.50812				Calcium Chloride 2% w/all	8	sk			36.75	294.00
507-210	890.50071				Flocele 1/4# w/all	100	#			1.65	165.00
ORIGINAL					CONFIDENTIAL					RECEIVED KANSAS CORPORATION COMMISSION MAY 22 1996 CONSERVATION DIVISION WICHITA, KS	
CONFIDENTIAL					RELEASED JUL 31 1997 FROM CONFIDENTIAL						
500-207					SERVICE CHARGE						
500-306					MILEAGE CHARGE	TOTAL WEIGHT 38302	LOADED MILES 15	CUBIC FEET 423	TON MILES 287.27	1.35 .05	571.05 272.01

No. B 219687

CONTINUATION TOTAL



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

*Mid Cont*  
*Liberal Ks*

BILLED ON TICKET NO. *919891*

FIELD \_\_\_\_\_ SEC. *31* TWP. *33S* RNG. *38W* 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 \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	23	08 5/8	K.B	1729	
LINER						
TUBING						
OPEN HOLE			12 1/4	G.L	1729	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>1-27</i>	DATE <i>1-27</i>	DATE <i>1-29-96</i>	DATE <i>1-29-96</i>
TIME <i>1630</i>	TIME <i>1915</i>	TIME <i>08150</i>	TIME <i>0600</i>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
Float collar <i>08 5/8</i>		
Float collar <i>Insert Float</i>	<i>1</i>	<i>3/8 Howco</i>
Float collar <i>Fillup</i>	<i>1</i>	<i>1 3/8</i>
Guide shoe <i>Res</i>	<i>1</i>	<i>5 3/8</i>
Centralizers	<i>6</i>	<i>2 1/2</i>
Bottom plug <i>Insert Float + Fillup</i>	<i>1</i>	<i>8 1/4</i>
Top plug	<i>1</i>	<i>8 1/4</i>
Head	<i>1</i>	<i>8 1/4</i>
Packer <i>Basket</i>		<i>5 3/8</i>
Other <i>Hex-wire A</i>	<i>1/43</i>	

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  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Jones</i>	<i>420041</i>	<i>Liberal Ks</i>
<i>D. Magruder</i>	<i>59179</i>	<i>52938 A</i>
<i>S. Pietre</i>	<i>61499</i>	<i>7848</i>
<i>ALVARDO</i>	<i>4461</i>	<i>ASSOS</i>
<i>R. Scott</i>	<i>9937</i>	<i>75817</i>
<i>R. Elwood</i>	<i>H 2270</i>	<i>75817</i>
	<i>R. 4360</i>	<i>P.U.</i>

DEPARTMENT *Cement*  
DESCRIPTION OF JOB *13 3/8*  
MAY 2 1996

RELEASED  
JUL 5 1997  
FROM CONFIDENTIAL

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
CUSTOMER REPRESENTATIVE *X O G Stubb*  
HALLIBURTON OPERATOR *Dennis Cooper*  
COPIES REQUESTED \_\_\_\_\_

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>280</i>	<i>Mid Cont</i>	<i>Prem Plus</i>		<i>3% CC 1/4" Floccle</i>	<i>3.22</i>	<i>11.1</i>
	<i>160</i>	<i>Prem Plus</i>			<i>2% CC 1/4" Floccle</i>	<i>1.32</i>	<i>14.8</i>
	<i>400</i>	<i>Premium</i>	<i>H</i>	<i>B</i>	<i>2% C.C.</i>	<i>1.06</i>	<i>14.4</i>

PRESSURES IN PSI \_\_\_\_\_ SUMMARY \_\_\_\_\_ MAY 2 1996  
CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ WICHITA, KS \_\_\_\_\_ DISPL. BBL.-GAL. *108.1*  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY BBL.-GAL. *332.6 + 38.2 + 75.4*  
HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET *42'* REASON *Shoe stuck*

REMARKS  
*M.S.D.S. Given to Company MAN*

CUSTOMER *Ambarco Pipe Corp*  
LEASE *Light*  
WELL NO. *2*  
JOB TYPE *8 5/8*  
DATE *1-27-96*





JOB LOG HAL-2013-C

CUSTOMER *Anadarko Petro.* WELL NO. *2#* LEASE *Light F* JOB TYPE *13 3/8* TICKET NO. *919891*

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T. C. PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

1630 Time Called  
 1700 Time Ready  
 1915 Time on loc.  
 Rig Dabbling Hole

2200 ORIGINAL Start Pumping Casing 13 3/8  
 2300 Hookup Casing To Circulate down  
 Circulate The Hole in Mud To Wash Down  
 Shut Down 4 Back Lose FROM Casing  
 Rig Trap 13 3/8 OUT OF Hole  
 Release FROM Loc.

1-29-96 03:00 CONFIDENTIAL Time Called MAY 21  
 05:00 Time Ready Now CONFIDENTIAL  
 Time on loc. Rig TO-H.

07:00 START Csg  
 08:15 Csg on Bottom  
 08:25 Hook up Casing with Rig  
 08:35 Hook to Halliburton  
 08:38 1.2 33.28 FROM CONFIDENTIAL 250 START LEAD Cmt @ 11.1 #/gal  
 09:31 2.9 38.18 125 START TAIL Cmt @ 14.8 #/gal  
 09:18 250 Loss Circulation WITH 2000 Cmt OUT  
 09:23 200 Slow Rate to 3 BPM.  
 09:44 0 SHUT DOWN  
 09:45 0 Drop 5 WEAR Top Plug  
 09:45 4 108 0 START Displacement wash Pumps & gears  
 10:07 250 Pressure up to 250  
 10:14 300 Plug Down  
 10:15 0 RELEASE BACK FLOAT NOT Holding  
 10:17 400 Pressure up close MATED  
 10:10 ORDER 1" Ann Cmt  
 11:25 Cmt on loc. MAY 22 1996  
 11:35 Run 100' 1" pipe  
 11:55 Hook to Halliburton CONSERVATION DIVISION  
 12:00 1.8 37.8 450 START Cmt @ 16.4 #/gal WICHITA, KS  
 12:11 450 Break Circulation with Drill Also 2200 Cmt OUT



JOB LOG HAL-2013-C.

DATE 1-29-96 PAGE NO. 2

CUSTOMER ANADARKO PET WELL NO. 2 LEASE LEGHT F JOB TYPE 8 3/8 SURFACE TICKET NO. 919891

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:20							0 SHUT DOWN CIRCULATED 17° mud out of hole
	12:25							0 Pull 1" Pipe
	12:45							0 ORDER MORE CMT ORIGINAL
	14:32							CMT ON LOC.
	14:45							RUN IN '021" Pipe
	14:55							0 Hook to Halliburton
	15:00	1.8	37.7					450 START CMT @ 16.4 #/gal
	15:16							450 Circulate CMT to SURF 28° CMT Pumped
	15:20							0 SHUT DOWN
	15:30							Pull 1" Pipe
	15:50							Job Complete
								CMT TO PIT
								9.7 B.
								50 SKS
								NOU
								MAY 21
								CONFIDENTIAL
								CONFIDENTIAL
								THANK YOU FOR CALLING HALLIBURTON
								DENNIS CARR & ROBERT ELWOOD
								& CREW
								RELEASED
								JUL 31 1997
								FROM CONFIDENTIAL
								RECEIVED
								KANSAS CORPORATION COMMISSION
								MAY 22 1996
								CONSERVATION DIVISION
								WICHITA, KS
								Time on Loc 18 Hrs Total
								Pump time 1104 MEN. Total



CHARGE TO: Amadara Petroleum Corp.  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

DUNCAN COPY

TICKET No. 919891 - 5

HAL-1906-N

SERVICE LOCATIONS: 1 25540 Lisak Ks WELL/PROJECT NO. 2# Light F LEASE STOUEN COUNTY/PARISH Ks STATE Ks CITY/OFFSHORE LOCATION loc DATE 1-27-98 OWNER Amadara  
 2 25535 Hesperon Ks TICKET TYPE SALES NITROGEN JOB?  YES  NO CONTRACTOR Garrett RIG NAME/NO. Garrett rig 12 SHIPPED VIA loc DELIVERED TO loc DIVISION WICHITA Ks ORDER NO. \_\_\_\_\_  
 3. \_\_\_\_\_ WELL TYPE \_\_\_\_\_ WELL CATEGORY \_\_\_\_\_ JOB PURPOSE 8 3/4" Surface WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION SW of FERRIS Ks  
 4. REFERRAL LOCATION \_\_\_\_\_ INVOICE INSTRUCTIONS 0103 010 8 3/4" Surface

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOG ACCT DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
000-117	RELEASE 31	1	MILEAGE	84	miles	1-27		2.88	239.12
000-119		1	Crew Mileage	84	"			1.50	126.00
001-016		1	Pump change	1242	FT				1320.00
030-018		1	5w Top Plug	1	End		81.8%	1330.00	1330.00
000-119		1	Crew mileage	84	miles	1-28		1.50	126.00
001-018		1	Additional Hours	4	Hours	1-27		235.00	940.00
24A	815-19701	1	Tursect Float	1	End		13.7%	864.00	864.00
27	815-19615	1	Fillup	1	"		"	65.00	65.00
12A	825-217	1	Guide Shoe	1	End		8.5%	216.00	216.00
24A	815-19508	1	Tursect Float	1				195.00	195.00
27	815-19415	1	Fillup	1				64.00	64.00

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X O.J. Stuck  
 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	4,285.40
FROM CONTINUATION PAGE(S)	21,031.20
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	25,316.60

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) O.J. Stuck CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X O.J. Stuck HALLIBURTON OPERATOR/ENGINEER Dennis EMP # 59179 HALLIBURTON APPROVAL \_\_\_\_\_



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 919891

FORM 1911 R-10

CUSTOMER APC WELL Light F DATE 1-27-96 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-282		2			Midcon Premium Plus	280		sks		16.76	4692.80
507-285	70.15250										
508-127	516.00335										
504-050	516.00265	2			Premium Plus Cement	160		sks		12.62	2019.20
509-406	890.50812	2			Calcium Chloride 3% w/280 midcon 2% w/160 prem plus	11		sks		36.35	404.25
507-210	890.50071	2			Flocele 1/4# w/all	110		#		1.65	181.50
<del>504-282</del>		2			Midcon	300		SK		16.76	5021.20
504050	516.00265					300		SK			
507285	70.15250					564		LB			
504127	516.00335					6		SK			
507210	890.50071	2				9		SK			320.12
509406	890.50812	2				75		LB		1.65	123.75
141	806-61048	1			Centralizers	6		ENL	8 1/2	61.00	366.00
320	806-71480	1			Basket	1		"	1	124.00	124.00
350	890-10802	1			Howo weld A	1		LB		16.75	16.75
001-012		1			ADDITIONAL Hours Feb 1-29-96	1		HR	3 EA	235.00	705.00
500-207					SERVICE CHARGE						
500-306					MILEAGE CHARGE						
					TOTAL WEIGHT	43396		73426			
					LOADED MILES			10			
					TON MILES	216.98		367.32			
					CUBIC FEET					1.35	1192.33
										.95	652.102
											206.14

ORIGINAL

RELEASED

MAR 31 1997

FROM CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL  
MAY 21 1996

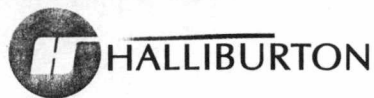
RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION  
WICHITA, KS

CONTINUATION TOTAL 15444.33

No. B 219694



TICKET CONTINUATION CUSTOMER COPY

TICKET No. 919891

HALLIBURTON ENERGY SERVICES

CUSTOMER <b>APC</b>	WELL <b>Latht</b>	DATE <b>1-29-96</b>	PAGE <b>3</b>	OF <b>3</b>
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
504043	516.00272	2			Premium Cut.	200	sk	11 08		2216 00
509406	890.50812	2			Calcium Chloride 2%-100sk/2%-100sk <i>1 1/2" 1" 4000</i>	4	sk	36 75		147 00
<i>504043</i>	<i>516.00272</i>				<i>2 1/2" 4000</i>					
		2			<i>Premium Cut</i>	200	<i>SKs</i>	11 08		2216 00
<i>509406</i>	<i>890.50812</i>	2			<i>Calcium Chloride 2%</i>	4	<i>SKs</i>	36 75		147 00
019-200		1			1" Pipe	1	FT	1 25		1 25 00
500207					SERVICE CHARGE					550 80
500306					MILEAGE CHARGE					275 00
					TOTAL WEIGHT					180 34
					LOADED MILES	10				90 02
					CUBIC FEET	408				
					TON MILES	204				
						189 50				

ORIGINAL

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MAY 21 1996  
KCC

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KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION  
WICHITA, KS

CONTINUATION TOTAL 5,581.84

No. B 219700

CUSTOMER: ANDRILKO PETROLEUM  
LEASE: LECHIT  
WELL NO: 2  
JOB TYPE: 5 1/2 LONG STR. HG. DATE: 2-9-96

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 31 TWP. 33S RNG. 38W 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 6375

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	KB	6390	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLER OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
2-9-96	2-9-96	2-9-96	2-9-96
TIME 0100	TIME 0345	TIME 0805	TIME 0730

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE INSERT 5/2	1	H
GUIDE SHOE REG 5/2	1	
CENTRALIZERS 14 REG 4 FM 5/2	18	O
BOTTOM PLUG		
TOP PLUG 5-W 5/2	1	W
HEAD P/C 5/2	1	
PACKER		C
OTHER BASKET 5/2	1	O

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
J. WINDROW		
D. McLANE	NUU	
S. PIETER	MAY 21	
CONFIDENTIAL		

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. \_\_\_\_\_ 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 \_\_\_\_\_

DESCRIPTION OF JOB CEMENT 5 1/2 PRODUCTION GSC  
(MIX 50 SCS AS SCUMBER AT 11.1 LB/100)

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

CUSTOMER REPRESENTATIVE X J. J. J.

HALLIBURTON OPERATOR J. Windrow COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	275	PREMIUM URSASFT	HALCO	B	7% URSASFT	1.41	14.5

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES KS**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRES LUSH (BBL) - GAL. 10 TYPE SUPER FLUSH

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL - GAL. \_\_\_\_\_ PAD: BBL - GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL - GAL. \_\_\_\_\_ DISPL (BBL) - GAL. 151

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY (BBL) - GAL. 74

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL - GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS LEFT MSDS SHEETS ON RIG

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 42 REASON 5/10T JOINT



**JOB LOG** HAL-2013-C

CUSTOMER: ANADARKO PET WELL NO.: 2 LEASE: LIGHT 'E' JOB TYPE: 5 1/2 LONG STRING

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							JOB READY
	0630							CALLED OUT FOR JOB
	0345							PUMP TRUCK ON LOCATION
	"							RIG READY TO RUN CASING
	0400							START RUNNING 5 1/2" CSG + FLT EQUIP
	0530							PLACE FO TOOL ON "74 FT 3095"
	0700							FINISH RUNNING CASING TO BOTTOM
	0715							CASING ON BOTTOM 6390'
	0730							HOOK UP P/C + CIRCULATING IRON
	0750							START CIRCULATING WITH RIG PUMP
								HOLD SAFETY PRELIM
	0730							LAY DOWN R-H + M-H
	0800							THROUGH CIRCULATING - HOOK UP TO PUMP TRUCK
								<u>JOB PROCEDURE</u>
	0805	5.0	8.0				0/150	pump 8 BPS FRESH WATER SPACER
	0808	5.0	10.0				150/200	pump 10 BPS SPACER FLUSH
	0815	5.0	8.0				100/110	pump 8 BPS FRESH WATER SPACER
								SHUT DOWN
	0830		10.000					PLUG M-H + R-H WITH 25 SKS CMT
		6.0	40.0				100/125	START MIXING SCAVENGER CMT SOAKS IT 11.1
	0838	6.0	55.0				100/200	START MIXING 220 SKS, AT 14.5 LB/GAL
	0852		115.0					THROUGH MIXING CEMENT - SHUT DOWN
	0853							RUSH OUT PUMP + LINES, RELEASE PLUG
	0851	6.0						START DISPLACING
	0910						80/100	HAVE 100 BBS IN - BITTING CMT LIFT
	0930		152.0				1500'	PLUG DOWN - RELEASE FLOAT
								FLOAT HELD
								MAX LIFT PRESSURE 850 LB/PS
	1030							OFF LOCATION
								THANK YOU!
								FOR CALLING BIG RED
								WOODY + DANNY

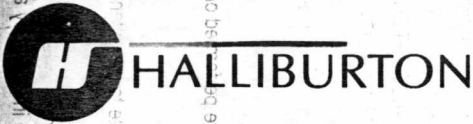
MAY 21  
CONFIDENTIAL  
ORIGINAL  
CONFIDENTIAL

RELEASED  
JUL 31 1997

FROM CONFIDENTIAL RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION  
WICHITA, KS



**HALLIBURTON**

**HALLIBURTON ENERGY SERVICES**

HAL-1906-N

CHARGE TO  
*ANADARKO PETROLEUM*

ADDRESS

CITY, STATE, ZIP CODE

DUNCAN COPY

TICKET

No.

919763 - 9

PAGE 1 OF 2

SERVICE LOCATIONS 1 <i>025540 LBERAL</i> 2 <i>025535 HUCOTON</i>	WELL/PROJECT NO. <i>2</i>	LEASE <i>LIGHT "F"</i>	COUNTY/PARISH <i>STEVENS</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION <i>GENTLER SOUTH</i>	DATE <i>2-9-96</i>	OWNER <i>SAME</i>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>GABRIEL &amp; JONIS #12</i>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <i>WELL SITE</i>	ORDER NO.	
WELL TYPE <i>01 OIL</i>	WELL CATEGORY <i>01 DEVELOPMENT</i>	JOB PURPOSE <i>035' 5 1/2' LONG STRING</i>	WELL PERMIT NO.	WELL LOCATION <i>LAND</i>			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-117</i>		<i>1</i>			<i>MILEAGE</i>	<i>40</i>	<i>M</i>	<i>2.74</i>		<i>2.85</i>	<i>228.00</i>
<i>000-117</i>		<i>1</i>			<i>CREW MILEAGE</i>	<i>40</i>	<i>M</i>	<i>2.00</i>		<i>1.50</i>	<i>120.00</i>
<i>001-016</i>		<i>1</i>			<i>PUMP CHARGE</i>	<i>6390</i>	<i>FT</i>			<i>2.070</i>	<i>2070.00</i>
<i>030-016</i>		<i>1</i>			<i>5" W TOP PLUG</i>	<i>1</i>	<i>EA</i>	<i>5 1/2 IN</i>		<i>60.00</i>	<i>60.00</i>
<i>018-317</i>		<i>1</i>			<i>SUPER FLUSH</i>	<i>10</i>	<i>BBIS</i>	<i>10</i>	<i>SKS</i>	<i>100.00</i>	<i>1000.00</i>
<i>12A</i>	<i>825-205</i>	<i>1</i>			<i>REGULAR GUIDE SHOE</i>	<i>1</i>	<i>EA</i>	<i>5 1/2 IN</i>		<i>121.00</i>	<i>121.00</i>
<i>24A</i>	<i>815-17251</i>	<i>1</i>			<i>INSERT FLOAT VALVE</i>	<i>1</i>	<i>EA</i>	<i>5 1/2 IN</i>		<i>110.00</i>	<i>110.00</i>
<i>27</i>	<i>815-19311</i>	<i>1</i>			<i>FILL UP ASSY</i>	<i>1</i>	<i>EA</i>	<i>1.00</i>	<i>IN</i>	<i>67.00</i>	<i>67.00</i>
<i>40</i>	<i>806-60122</i>	<i>1</i>			<i>CENTRALIZER</i>	<i>14</i>	<i>EA</i>	<i>5 1/2 IN</i>		<i>60.00</i>	<i>840.00</i>
<i>50</i>	<i>806-60122</i>	<i>1</i>			<i>FLUID MASTER</i>	<i>4</i>	<i>EA</i>	<i>5 1/2 IN</i>		<i>75.00</i>	<i>300.00</i>
<i>320</i>	<i>806-71430</i>	<i>1</i>			<i>BASKET</i>	<i>1</i>	<i>EA</i>	<i>5 1/2 IN</i>		<i>104.00</i>	<i>104.00</i>

MAY 21 1996  
CONFIDENTIAL

ORIGINAL

RECEIVED  
KANSAS CORPORATION COMMISSION  
MAY 22 1996  
WICHITA, KS

FROM CONFIDENTIAL  
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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: *2-9-96* TIME SIGNED: *0500*

A.M.  P.M.

do  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**

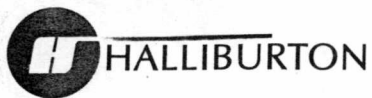
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>	AGREE	UN-DECIDED	DIS-AGREE
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>	AGREE	UN-DECIDED	DIS-AGREE
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>	AGREE	UN-DECIDED	DIS-AGREE
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

PAGE TOTAL	<i>50</i>	<i>22</i>	<i>100</i>
FROM CONTINUATION PAGE(S)	<i>62</i>	<i>66</i>	<i>50</i>
SUB-TOTAL 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) <i>John Shores</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP # <i>62513</i>	HALLIBURTON APPROVAL
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HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 719763

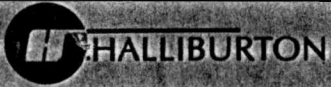
FORM 1911 R-10

CUSTOMER APC WELL Light "F" DATE 2-9-96 PAGE OF

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504043	516.00272				Premium Cmt.	290	sk			11 08	3268	60
508095	516.00789				Versaset 9/10%	249	lb			3 90	971	10
507775	516.00144				Halad-322 6/10%	166	lb			7 00	1162	00
508002	70.15302				KCL 5%	840	lb			27	199	80
507210	890.50071				Flo 1/3	74	lb			1 65	122	10
<p>ORIGINAL</p> <p>CONFIDENTIAL</p> <p>RELEASED JUL 31 1997</p> <p>FROM CONFIDENTIAL</p> <p>RECEIVED KANSAS CORPORATION COMMISSION MAY 2 2 1996</p> <p>CONSERVATION DIVISION WICHITA, KS</p>												
500207					SERVICE CHARGE							
500306					MILEAGE CHARGE							
					TOTAL WEIGHT							
					LOADED MILES							
					CUBIC FEET							
					TON MILES							
						300				1 35	405	00
						145.29				95	138	00

No. B 219736

CONTINUATION TOTAL 6266 50



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATIONMID CONTINENT  
LIBERTY, KS

BILLED ON TICKET NO. 919765

KCC

## WELL DATA

FIELD \_\_\_\_\_ SEC. 31 TWP. 33S RNG. 24W 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 FO TOOL SET AT 3285

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	<u>LS</u>	<u>2 3/8</u>	<u>150</u>	<u>3285</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-10-96</u>	DATE <u>2-10-96</u>	DATE <u>2-10-96</u>	DATE <u>2-10-96</u>
TIME <u>1500</u>	TIME <u>0800</u>	TIME <u>1058</u>	TIME <u>1200</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. WOODROW 62573</u>		
<u>D. MCCLINE</u>		
<u>G. MCEL</u>		

CONFIDENTIAL

DEPARTMENT CEMENT

DESCRIPTION OF JOB RECEMENT FO TOOL

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

CUSTOMER REPRESENTATIVE X John Shoop

HALLIBURTON OPERATOR John Woodrow COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>60</u>	<u>PT mid con</u>	<u>Midco</u>	<u>B</u>	<u>2 1/2 cc 1/4 floccul</u>	<u>3.22</u>	<u>111</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 \_\_\_\_\_ REASON \_\_\_\_\_

## SUMMARY

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 185

CEMENT SLURRY: BBL.-GAL. 344

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

REMARKS \_\_\_\_\_

### REMARKS

CUSTOMER AMHARCO  
LEASE LIGHT F  
WELL NO. 2  
JOB TYPE Cement fo tool DATE 2-10-96

**JOB LOG** HAL-2013-C

 CUSTOMER: ANADARKO PCT  
 WELL NO.: 2  
 LEASE: LIGHT 'F'  
 JOB TYPE: Recemem EG TOOL  
 TICKET NO.: 919715

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0930							JOB Ready
	0950							CALLER OUT FOR JOB
	0900							PUMP TRUCK ON LOCATION
								RIC RUNNING IN 2 7/8 TUB
								LOCATE PORT COLLAR 3285'
	1054			✓	✓	1500'	1500'	PRESSURE TEST
	1107							OPEN PORT COLLAR - TAKE INSERCTIONS
		3		✓		300'		RATE - PUMP IS 15 BPM 2 7/8 KGL WATER
	1110	3	39.0			300'		MIX 60 SXS MIDCON 2 AT H.I. 2 1/2"
	1130							START DISPENSING
	1130	3.0	18.5					PUMP 18.5 BPM. SHUT DOWN
						1500'	1500'	CLOSE PORT COLLAR - PRESSURE TEST
								RUN 2 STS TUB
	1155	3.0	25.0	✓	✓	250'	250'	REVERSE OUT
	1200							JOB COMPLETE
	1300							OFF LOCATION

**CONFIDENTIAL**

THANK YOU!  
 CALL AGAIN  
 WOODY DANNY

RELEASED

MAY 31 1997

FROM CONFIDENTIAL

RECEIVED  
 KANSAS CORPORATION COMMISSION

MAY 22 1996

CONSERVATION DIVISION  
 WICHITA, KS



**HALLIBURTON**

**HALLIBURTON ENERGY SERVICES**

HAL-1906-N

CHARGE TO: **ANADARKO PETROLEUM**

ADDRESS:

CITY, STATE, ZIP CODE:

DUNCAN COPY

TICKET

No.

919765 - 0

PAGE 1 OF 2

1. SERVICE LOCATIONS <b>025540 LIBERAL</b>	WELL/PROJECT NO. <b>2</b>	LEASE <b>LIGHT 'F'</b>	COUNTY/PARISH <b>STEVENS</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION <b>FEJERITA</b>	DATE <b>2/10/76</b>	OWNER <b>SAME</b>
2. <b>025535 HUGOTON</b>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>BEST WELL SER.</b>	RIG NAME/NO.	SHIPPED VIA <b>GT</b>	DELIVERED TO <b>WELL SITE</b>	ORDER NO.
3.	WELL TYPE <b>01 OIL</b>	WELL CATEGORY <b>01 DEVELOPMENT</b>	JOB PURPOSE <b>205' REAMENT FO TOOL</b>	WELL PERMIT NO.	WELL LOCATION <b>LAND</b>		
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							
000-117		/			MILEAGE	28	mi	2	mi	2.85	159.60
000-117		/			CREW MILEAGE	28	mi	2	mi	1500.00	84.00
009-134		/			PUMP CHARGE					1590.00	1590.00
<p><b>RELEASED</b></p> <p><b>FROM CONFIDENTIAL</b></p> <p><b>CONFIDENTIAL</b></p> <p><b>RECEIVED</b></p> <p><b>MAY 2 2 1996</b></p> <p><b>KANSAS CORPORATION COMMISSION</b></p> <p><b>CONSERVATION DIVISION</b></p> <p><b>WICHITA, KS</b></p>											

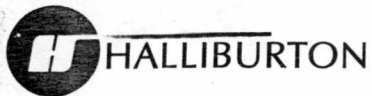
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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED <b>2-10-76</b>	TIME SIGNED <b>0430</b>	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	<b>SUB SURFACE SAFETY VALVE WAS:</b> <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	<b>PAGE TOTAL</b>	<b>1833 60</b>
<input type="checkbox"/> I do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered			<b>TREE CONNECTION</b> <input type="checkbox"/>	<b>TYPE VALVE</b> <input type="checkbox"/>	<b>OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?</b> <input checked="" type="checkbox"/>			<b>FROM CONTINUATION PAGE(S)</b>	<b>1231 20</b>
			<b>TUBING SIZE</b> <input type="checkbox"/>	<b>TUBING PRESSURE</b> <input type="checkbox"/>	<b>WELL DEPTH</b> <input type="checkbox"/>	<b>WE UNDERSTOOD AND MET YOUR NEEDS?</b> <input checked="" type="checkbox"/>			
			<b>TYPE OF EQUALIZING SUB.</b> <input type="checkbox"/>	<b>CASING PRESSURE</b> <input type="checkbox"/>	<b>OUR SERVICE WAS PERFORMED WITHOUT DELAY?</b> <input checked="" type="checkbox"/>			<b>SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE</b>	
			<b>TUBING PRESSURE</b> <input type="checkbox"/>	<b>WELL DEPTH</b> <input type="checkbox"/>	<b>WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?</b> <input checked="" type="checkbox"/>				
			<b>ARE YOU SATISFIED WITH OUR SERVICE?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<b>ARE YOU SATISFIED WITH OUR SERVICE?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO			<b>ARE YOU SATISFIED WITH OUR SERVICE?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO		

**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) <b>John Shimmy</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <b>[Signature]</b>	HALLIBURTON OPERATOR/ENGINEER <b>[Signature]</b>	EMP # <b>62573</b>	HALLIBURTON APPROVAL
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TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 719745

HALLIBURTON ENERGY SERVICES

CUSTOMER <b>AFC</b>	WELL <b>Light F</b>	DATE <b>2-10-96</b>	PAGE	OF
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
504-282					Midcon Premium Plus	60		sks			16.76	1005.60
507-285	70.15250											
508-127	516.00335											
509-406	890.50812				Calcium Chloride 2%	1		sk			36.75	36.75
507-210	890.50071				Flocele 1/4#	15		#			1.65	24.75
<p>ORIGINAL</p> <p>CONFIDENTIAL</p> <p>RELEASED JUL 31 1997 FROM CONFIDENTIAL</p> <p>RECEIVED KANSAS CORPORATION COMMISSION MAY 22 1996 CONSERVATION DIVISION WICHITA, KS</p>												
500-207					SERVICE CHARGE							
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES		CUBIC FEET			
						5871	10		66		1.35	89.10
									29.86		.95	75.00

No. B 219745

CONTINUATION TOTAL

1231.20