

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: CIMARRON RIVER SYSTEM

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: GABBERT-JONES, INC.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOH Temp. Abd.

Gas ENHR SIGW

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

If Workover:

RELEASED

Operator: _____

Well Name: WAD 1 4 1996

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

11/6/94 11/16/94 1/30/95
Spud Date Date Reached TD Completion Date

API NO. 15- 189-21,776-00-00

County STEVENS

SE - SE - NW - NW Sec. 14 Twp. 33S Rge. 38 X E W

1200 Feet from X(N) (circle one) Line of Section

1200 Feet from X(W) (circle one) Line of Section

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

Lease Name DAVIS "D" Well # 2

Field Name GENTZLER

Producing Formation LOWER MORROW

Elevation: Ground 3137.2 KB 3150.2

Total Depth 6235 PBDT 6125

Amount of Surface Pipe Set and Cemented at 1687 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3134 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 99 11-27-95
(Data must be collected from the Reserve Pit)

Chloride content 42,330 ppm Fluid volume 5000 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name KOL

Lease Name WAD 1 4 1996

Quarter Sec. Twp. CON 33S 38 E W

County STEVENS Docket No. CON 111

ORIGINAL

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 Leslie I. Barnes

Title SENIOR TECHNICAL ASSISTANT Date 2/6/95

Subscribed and sworn to before me this 6th day of February, 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 **RECEIVED**
KANSAS CORPORATION COMMISSION

FEB 08 1995

CONSERVATION DIVISION
WICHITA, KS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name DAVIS "D" Well # 2

Sec. 14 Twp. 33S 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 (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
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHMENT		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E.Logs Run: **DUAL INDUCTION
 MICRO CEMENT BOND
 COMPENSATED NEUTRON
 BOREHOLE COMPENSATED SONIC**

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	1687	50/50 POZMIX/ COMMON	600/200	4% TOT GEL, 2%CC/ 2%CC
PRODUCTION	7 7/8	5 1/2	15.5	6217	65/35 POZMIX/ THIXSET	50/160	1/4#/SX FLOCELE/ 5%KCL, 1/4#SX FLOC
		FO TOOL @		3134	PREMIUM PLUS LIGHT	110	1/4#/SX FLOCELE

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	6006-6044	SET PKR @ 6040', ACIDIZE W/2850 GALS 7.5% FE ACID & 57 B.S., RESET PKR @ 5951', ACIDIZE W/2850 GALS 7.5% FE ACID & 110 B.S., FRAC W/26,292 GALS 40# CROSS- LINKED 2% KCL WTR & 103,100# 20/40 SAND 6006-6044

TUBING RECORD	Size 2-3/8	Set At 5982	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 1/26/95	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 1057 Mcf	Water 18, 3 B.C.	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 6006-6044

Production Interval Other (Specify) _____

CONFIDENTIAL

ORIGINAL

ATTACHMENT

DAVIS "D" NO. 2
SECTION 14-33S-38W
STEVENS COUNTY, KANSAS

API#15-189-21776

FORMATION

TOP

B. STONE CORRAL	1694
CARLTON	2382
CHASE	2470
COUNCIL GROVE	2804
ADMIRE	3045
WABAUNSEE	3230
TOPEKA	3491
HEEBNER	4031
TORONTO	4051
LANSING	4156
MARMATON	4854
CHEROKEE	5076
ATOKAN	5406
MORROW	5627
CHESTER	6052

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MAR 14 1996

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FEB 08 1995

CONSERVATION DIVISION
WICHITA, KS

GABBERT-JONES, INC.
WICHITA, KANSAS

DRILLER'S WELL LOG

WELL NAME: Davis D-2
Sec 14-33S-38W
Stevens County, Kansas

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ORIGINAL

MAR 14 1996

COMMENCED: November 6, 1994
COMPLETED: November 17, 1994
OPERATOR: Anadarko Petroleum Corporation

FROM CONFIDENTIAL

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DEPTH		FORMATION	REMARKS
From	To		
0	525	Sand	
525	735	Redbed	Ran 41 jts of 24# 8 5/8"
735	1115	Redbed-Sand	csg LD @ 1687' w/600 sks
1115	1338	Sand	Class H 50/50 Posmix 4% Gel
1338	1550	Redbed-Gyp	2% CC 1/4# Floseal
1550	1688	Redbed-Shale	200 sks Common 2% CC
1688	1710	Anhy	PD @ 2:00PM 11/07/94
1710	2145	Anhy-Shale-Sand	
2145	2450	Shale-Lime	
2450	6235	Lime-Shale	Ran 144 jts 15 1/2# 5 1/2" csg LD @ 6217 w/FO Tool @ 3134'

6235' TD

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FEB 08 1995

CONSERVATION DIVISION
WICHITA, KS

[STATE OF KANSAS]
[COUNTY OF SEDGWICK]

Subscribed and sworn to before me this
22nd day of November, 1994.

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.

James S. Sutton, II
James S. Sutton, II - President



JOB LOG HAL-2013-C

CUSTOMER ANADARKO PETROLEUM WELL NO. 2 LEASE DAVIS "D" JOB TYPE 8 5/8 SURFACE CSG TICKET NO. 635817

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							CALLED OUT READY NOW
	0700							ON LOC. STILL DRILLING
	1150							START RUNNING CSG.
	1300							Hook up HEAD TO CIRCULATE
	1305							CIRCULATION TO PIT. SAFETY MEETING
	1310							Hook up TO CEMENT LINE
	1314	7.6	153			-	260	START LEAD CMT 13.6 #/GAL
	1332	5.4	37.8			-	220	START TAIL CMT 16.4 #/GAL
	1341	0	0			-	0	STOP DROP TOP PLUG.
	1342	5.6	95			-	0/150	START DISPLACEMENT H ₂ O
	1359	2	105.6			-	750/1250	SLOW RATE DOWN 105.6 BBL T. TAL
	1404	0	-			-	1250	PLUG LANDED - FLOAT HELD

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THANKS FOR CALLING
HALLIBURTON ENERGY SERVICES
LIBERAL K.S.
"HAVE A GOOD DAY"

BROADFOOT - MARTINEZ - ANDERSON

Jobbl cmt PIT 79 SKs

KUL

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FEB 08 1995

CONSERVATION DIVISION
WICHITA, KS



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

MID CONTINENT AREA
LIBERAL KS.

BILLED ON TICKET NO.

635817

FIELD **GENTZLER** SEC **14** TWP. **33S** RING. **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 **ORIGINAL** 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	24	8 5/8	KB.	1688+	
LINER						
TUBING						
OPEN HOLE			12 1/4	KB	7688	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 11-7-94 TIME 0500	DATE 11-7-94 TIME 0700	DATE 11-7-94 TIME 1310	DATE 11-7-94 TIME 1430

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR INSERT	1	H
FLOAT SHOE FILLUP	1	
GUIDE SHOE REGULAR	4	O
CENTRALIZERS BLUE	4	
BOTTOM PLUG		W
TOP PLUG 5W	1	
HEAD Howco WELD "A"	1	e
PACKER		
OTHER		O

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. BROADFOOT	D4604	LIBERAL Ks.
R. MARTINEZ	52947	"
R. ANDERSON	3625	HUGOTON Ks.
J.E.	75505	"
	3626	"
	5302	"

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FROM CONFIDENTIAL CEMENT

DEPARTMENT _____

DESCRIPTION OF JOB **CEMENT 8 5/8 SURFACE CSG.**

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN

CUSTOMER REPRESENTATIVE **J. Broadfoot**

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	600	50/50 PREM		B	4% GEL - 22 C.C.	1.43	13.6
1	200	PREM		B	22 C.C.	1.06	16.4

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. _____ DISP: BBL.-GAL. **105.6**

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. **153-37.8**

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

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET **41** REASON **SHOE ITI**

REMARKS

20 BBL CMT PIT - 79 SKs.

CUSTOMER ANADARKO PETROLEUM LEASE AVI'S "A" WELL NO. 2 JOB TYPE 8 5/8 SURFACE CSG. DATE 11-7-94

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CONSERVATION DIVISION
WICHITA, KS



HALLIBURTON ENERGY SERVICES

CHARGE TO: **AMARAKO - PETROBRAS**
 ADDRESS: **Box 351**
 CITY, STATE, ZIP CODE: **LIBERTI KS 67905-0351**

COPY

TICKET No. **635817 - 6**

PAGE 1 OF 2

FORM 1906 R-13

SERVICE LOCATIONS 1. Liberty KS 67905-0351	WELL/PROJECT NO. 2	LEASE DAVIS 'A'	COUNTY/PARISH STEVENSON	STATE Ks	CITY/OFFSHORE LOCATION	DATE 11-7-94	OWNER SAME
2. Liberty KS 67905-0351	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR GABBERT JONES	RIG NAME/NO. GABBERT JONES 12"	SHIPPED VP	DELIVERED TO Liberty KS 67905-0351	ORDER NO.
3.	WELL TYPE 32	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION 14-333-3801		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	10	MI.	1	UNIT	2.75	27.50
001-016					PUMP CHARGE	1688	FT.	6	HR		1320
030-018					TOP PLUG	8-1/2	IN	1	EA		130
12A	323.217				6 1/2 DE SH. REG. HR						216
24A	813.1932				INSERT						171
27	810.19713				FILLUP						53
40	846.61048				BLUE CENTRALIZERS			5	EA	65	325
320	806.70060				CEMENT BASKET			1	EA		122
330	870.13822				WELD 'A'	1	LB				14.50

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

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: **X E Ehlthorn**

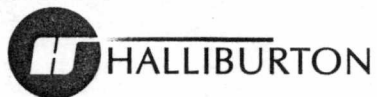
DATE SIGNED: **11-7-94** TIME SIGNED: **1430** A.M. P.M.

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		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 2331
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input checked="" type="checkbox"/>			FROM CONTINUATION PAGE(S) 9131 107	
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>				
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>				
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 11512.47
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) EE Dettmer	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X E Ehlthorn	HALLIBURTON OPERATOR/ENGINEER [Signature]	EMP #	HALLIBURTON APPROVAL
--	---	---	-------	----------------------



TICKET CONTINUATION

CUSTOMER COPY

TICKET No. **635817**

HALLIBURTON ENERGY SERVICES

32 PLC

CUSTOMER **APC**

WELL **DAVIS-D**

DATE **11-7-94**

PAGE **2** OF **2**

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-131					600 cu.ft. 50/50 Premium Poz	600		sk		8.32	4992.00
504-043	516.00272				P	300		sk			
506-105	516.00286					22200		lb			
506-121	516.00259					10		sk			
507-277	516.00259				Add Gel 2%	10		sk		18.60	186.00
504-043	516.00272				Premium Cement	200		sk		10.61	2122.00
509-406	890.50812				Calcium Chloride 2%/800sk	14		sk		36.75	514.50

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 WICHITA, KS

500-207				SERVICE CHARGE		CUBIC FEET	848			1.35	1144.80
500-306				MILEAGE CHARGE	TOTAL WEIGHT 72,322	LOADED MILES	5	TON MILES	180.80	.95	172.76

No. B 263131

CONTINUATION TOTAL

HALLIBURTON

JOB LOG HAL-2013-C

 CUSTOMER: ANADARKO PETROLEUM
 WELL NO.: D-2
 LEASE: DAVIS
 JOB TYPE: 5 1/2" LONG STRING
 TICKET NO.: 705479

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							JOB READY 1100
	0800							CALLED OUT FOR JOB
	1100							PUMP TRUCK ON LOCATION 11 72
	1100							RIG LAYING DOWN DRILL PIPE, SET UP PUMP TRUCK 1
	1200							D. PUMPED DOWN 71
	1255							START RUNNING 5 1/2" CSG & FLOAT EQUIPMENT PLACE TO TOOL ON * 71 ST 3120
	1530		6210					CASING ON BOTTOM 6230'
	1540							HOOKE UP 5 1/2" P/C & CIRCUITING IRON
	1545							START CIRCULATING WITH RIG PUMP THROUGH CIRCUITING, HOOK UP TO PUMP TRUCK
	1610							JOB PROCEDURE:
	1614	6.0	20				375'	START PUMPING 20 BBS 2% KCL WATER
			30					PUMP 30 BBS MUD FLUSH
			20					PUMP 20 BBS 2% KCL WATER
			17.0					START MIXING LEAD CEMENT
	1637	6.0	43.0				250'	START MIXING TAIL CEMENT
	1645							THROUGH MIXING CEMENT / SHUT DOWN
	1645							WASH UP PUMP TRUCK, RELEASE PLUG
							150'	START DISPLACING
	1657		95				225'	HAVE 95 BBS OUT / START LIFTING CMT
							775'	HAVE / MAX LIFT BREAK PLUG LANDED
	1705		149.0				150'	PLUG DOWN
								RELEASE FLOAT / FLOAT HELD
								Had good mud circulation THROUGH OUT JOB

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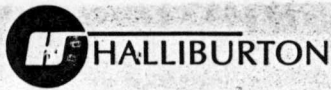
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THANK YOU!
WOODY, TOM, MARK

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KANSAS CORPORATION COMMISSION

FEB 08 1995

CONSERVATION DIVISION
WICHITA, KS



JOB SUMMARY

HALLIBURTON DIVISION

Mid CONTINENT

HALLIBURTON LOCATION

LIBERAL, KS

BILLED ON TICKET NO.

70599

made in writing
6x15 70599

WELL DATA

FIELD _____ SEC. 14 TWP. 33S RNG. 34W 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 6235

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>11</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>6230</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<u>11-18-94</u>	<u>11-17-94</u>	<u>11-17-94</u>	<u>11-17-94</u>
DATE	DATE	DATE	DATE
TIME <u>0800</u>	TIME <u>1100</u>	TIME	TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>REG</u>	<u>5 1/2</u>	<u>1</u>
CENTRALIZERS	<u>5 1/2</u>	<u>15</u>
BOTTOM PLUG		
TOP PLUG <u>5W</u>	<u>5 1/2</u>	<u>1</u>
HEAD <u>DK</u>	<u>5 1/2</u>	<u>1</u>
PACKER <u>BASKET</u>	<u>5 1/2</u>	<u>1</u>
OTHER <u>ATF</u>	<u>5 1/2</u>	<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.
 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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PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J Woodrow 62573</u>	<u>40044</u>	<u>LIBERAL KS</u>
<u>T. Poyler 48120</u>	<u>52774 ADG RCM 176900</u>	<u>" "</u>
<u>TD. HOWARD 17343</u>	<u>51454 BULK 16611</u>	<u>HUGOTON KS</u>
<u>ALL</u>		
<u>FEB 6</u>		
<u>CONFIDENTIAL</u>		<u>ORIGINAL</u>

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 5 1/2 PRODUCTION CASING
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X Job Shuman
 HALLIBURTON OPERATOR J Woodrow COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>50</u>	<u>PREMIUM HLG</u>	<u>HUGOTON</u>	<u>B</u>		<u>1.97</u>	<u>12.4</u>
	<u>160</u>	<u>PREMIUM THIX SET</u>	<u>"</u>	<u>B</u>	<u>58 KCL 1/4 FLOCCULE</u>	<u>14.8</u>	<u>1.52</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

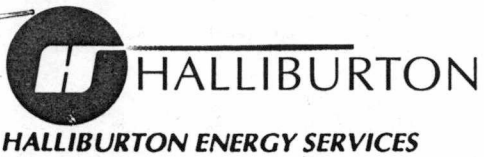
VOLUMES 20
 PRES LUSH (BBL) - GAL. 30 TO _____ TYPE KCL
 LOAD & BKDN: BBL - GAL. _____ PAD: BBL - GAL. _____
 TREATMENT: BBL - GAL. _____ DISPL (BBL) - GAL. 147.2
 CEMENT SLURRY (BBL) - GAL. 11.5 CC 43.3 TC
 TOTAL VOLUME: BBL - GAL. 60.8

RECEIVED

KANSAS CORPORATION COMMISSION

FEB 08 1995

MEM. Attached to Job Summary
 LEASE DATA
 WELL NO. 0-2
 JOB TYPE 5 1/2 bore steams
 DATE 11-17-94



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

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

COPY

TICKET

No.

705479 - 5

PAGE 1 OF 2

SERVICE LOCATIONS 1. 025540 LIBERAL	WELL/PROJECT NO. D-2	LEASE DAVIS	COUNTY/PARISH STEVENS	STATE KS	CITY/OFFSHORE LOCATION HUGOTON	DATE 11-17-94	OWNER SAME
2. 025535 HUGOTON	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR GABBERT + JONES *12	RIG NAME/NO.	SHIPPED VIA WIA	DELIVERED TO WELL SITE	ORDER NO.
3.	WELL TYPE 01 OIL	WELL CATEGORY 01 DEVELOPMENT	JOB PURPOSE 035 5 1/2 LONG STRING	WELL PERMIT NO.	WELL LOCATION LAND		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

RELEASED
 MAR 14 1996
 FROM CONFIDENTIAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		/			MILEAGE	37	Mi	2	HA	2.75	203.50
001-016		/			PUMP CHARGE	6230	TS			2070.00	2070.00
030-016		/			5" W TOP PLUG	1	VA	5 1/2	IN	60.00	60.00
12A	825-205	/			REG GUIDE SHOUL	1	VA	5 1/2	IN	121.00	121.00
24A	915-19251	/			INSERT FLOAT	1	VA	5 1/2	IN	110.00	110.00
27	315-17311	/			FILL UP	1	VA	1.00	IN	55.00	55.00
40	806-60622	/			CENTRALIZER	15	VA	5 1/2	IN	44.00	660.00
320	806-70030	/			GROUND BASKET	1	VA	5 1/2	IN	110.00	110.00
G18-315		/			MUD FLUSH	1260	Gal			65	819.00
314-163		/			CLA-FIX II	4	Gal			24.00	96.00

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 ORIGINAL

RECEIVED
 KANSAS CORPORATION COMMISSION
 FEB 08 1995
 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.

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

PAGE TOTAL	3991	50
FROM CONTINUATION PAGE(S)	3929	83
	7921	133
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE		

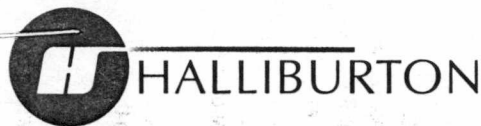
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>John Sullivan</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X [Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP # 6073	HALLIBURTON APPROVAL
---	--	---	---------------	----------------------

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE
Aardanko PET	D-2	Davis	Port collar

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							Called out
	1200							on location
	1220							Cement on location
	1235							Rig up
								Running Tubing ORIGINAL
	1412						2000	psi TEST
	1414							Open tool
	1417	3	10	✓		600		Start KCL water Break Circulation
	1420	3	20	✓		500		Start mud flush
	1427	3	10	✓		500		Start KCL water
	1430	3	40.3	✓		450		Start Cement
	1436	3	11.5	✓		500		Displace Cement
	1437			✓		600		Displacement in
	1445							Close tool
	1449						2000	psi TEST
								Run 1 Joint
	1502	3					750	Reverse out
	1508						500	3/4 bbl cement RETURN
								NUL
								FEB 6
								Job Complete
								CONFIDENTIAL
								Gave msd's sheets to Dave Gillmore
								RELEASED
								MAR 14 1996
								FROM CONFIDENTIAL
								RECEIVED
								KANSAS CORPORATION COMMISSION
								FEB 08 1995
								CONSERVATION DIVISION
								WICHITA, KS



HALLIBURTON ENERGY SERVICES

CHARGE TO:
ADDRESS
CITY, STATE, ZIP CODE

COPY

TICKET No. 705739 - 1

PAGE 1 OF

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. 12-21-94	D-2	D-2	ST. LOUIS	MO		12-21-94	Conoco
2. 12-21-94							
3.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
12-117					MILEAGE	50	mi			2.2	220.00
019-119					Pump Charge	3134	ft				1590.00
018-215					fluid flush	840	gal			15	546.00

ORIGINAL

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

RECEIVED

FEB 08 1996

KANSAS CORPORATION COMMISSION

FEB 6

CONFIDENTIAL

CONFIDENTIAL

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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

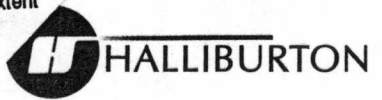
CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	2356
FROM CONTINUATION PAGE(S)	1374
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	3730

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)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
	X			

is made in writing to the extent



TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 705739

HALLIBURTON ENERGY SERVICES

CUSTOMER APC WELL Davis DATE 12-21-94 PAGE OF

FORM 1911 R-10

103 PLC

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL				UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M			
504-121					Premium Plus Light Cement	110	sk			10.02	1102	20
504-050	516.00265					72	sk					
506-165	516.00286					2812	lb					
506-121	516.00259					6	sk					
507-210	890.50071				Flocele 1/2#	28	lb			1.65	46	20
<p>RELEASED MAR 14 1996 FROM CONFIDENTIAL</p> <p>RECEIVED KANSAS CORPORATION COMMISSION FEB 08 1995 CONSERVATION DIVISION WICHITA, KS</p> <p>CONFIDENTIAL ORIGINAL</p>												
500-207					SERVICE CHARGE							
500-306					MILEAGE CHARGE							
					TOTAL WEIGHT	10,172						
					LOADED MILES	5						
					CUBIC FEET		112			1.35	151	20
					TON MILES		25.43			.95	75	00

No. B 263394

CONTINUATION TOTAL 1374.60