

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

API NO. 15- 189-21987-000 **ORIGINAL**

County STEVENS

S/2 - SW - SE Sec. 14 Twp. 31 Rge. 35 **E** X **W**

330 Feet from S (circle one) Line of Section

1980 Feet from E X (circle one) Line of Section

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

Lease Name MOORHEAD "C" Well # 6

Field Name CHURCHMAN-BIBLE

Producing Formation CHESTER

Elevation: Ground 2933.7 KB --

Total Depth 5780 PBSD 5718

Amount of Surface Pipe Set and Cemented at 1755 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 3115 Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1510-99 DW
(Data must be collected from the Reserve Pit)

Chloride content 1300 ppm Fluid volume 700 bbls.

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name KCC

Lease Name License No. OCT 20

 Quarter Sec. Twp. S Rng. E/W

County Docket No. **CONFIDENTIAL**

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: TEXACO TRADING & TRANSPORTATION

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: BIG "A" DRILLING, INC.

License: 31572

Wellsite Geologist: NA

Designate Type of Completion
X New Well Re-Entry Workover

X Oil SWD S1OW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: NOV 1 1996

Well Name:

Comp. Date **CONFIDENTIAL**

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

8-23-95 9-3-95 9-29-95
Spud Date Date Reached TD Completion Date

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
DAVID W. KAPPLE

Title DIVISION DRILLING ENGINEER Date 10/19/95

Subscribed and sworn to before me this 19th day of October, 19 95.

Notary Public L. Marc Harvey

Date Commission Expires

L. MARC HARVEY
Notary Public - State of Kansas
My Appt. Expires 6-12-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION

Form ACO-1 (7-91)

OCT 24 1995 10-24-95

Operator Name **ANADARKO PETROLEUM CORPORATION** Lease Name **MOORHEAD "C"** Well # **6**

Sec. **14** Twp. **31** Rge. **35** 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: CNL-LDT, DIL, ML, SONIC, SBT-CCL-GR.

Log Sample

Name	Top	Datum
B/STONE CORRAL	1774	
CHASE	2562	
COUNCIL GROVE	2870	
HEEBNER	4018	
TORONTO	4118	
MARMATON	4792	
MORROW	5332	
CHESTER	5500	
ST. LOUIS	5650	

CASING RECORD New 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	12.25	8.625	24	1755	MIDCON 2/ PREM PLUS	340/160	2%CC, 1/4#/SK FLOCELE/SAME.
PRODUCTION	7.875	5.5	15.5	5764	VERSASET 11/ 14.5 PPG	50/130	.6% HALAD 322, 5% KCL, .9% VERSASET 1/4#/SK FLC/SAME
			F.O. TOOL JOBS	3115	MIDCON 2	90	NONE.

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	5546-5564	ACID: 1800 GAL 7-1/2% FEHCL.	5546-5564'
2	5536-5546	FRAC: 26628 GAL X-LINK 2% KCL WTR &	5536-5564'
		95300# 20/40 SD.	

TUBING RECORD Size **2-3/8** Set At **5512** Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. **10-1-95** Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25		0		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

Method of Completion: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval **5536-5564'**



JOB SUMMARY

HALLIBURTON DIVISION M&O CONT.
 HALLIBURTON LOCATION Liberal Ks

BILLED ON TICKET NO. 811526

WELL DATA

FIELD _____ SEC. 14 TWP. 31 S RING. 35 W 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	nl	24	8 5/8	11 2	1770	
LINER						
TUBING						
OPEN HOLE			12 1/4	6 1	1775	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert w/ fill</u>	<u>1</u>	<u>HAWCO</u>
FLOAT SHOE		
GUIDE SHOE <u>REG</u>	<u>1</u>	
CENTRALIZERS <u>S-4</u>	<u>5</u>	
BOTTOM PLUG		
TOP PLUG <u>S-wiper</u>	<u>1</u>	
HEAD <u>ACPS</u>	<u>1</u>	
PACKER <u>Cut Backet</u>	<u>1</u>	
OTHER <u>Weld A</u>	<u>1</u>	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-25-95</u>	DATE <u>8-25-95</u>	DATE <u>8-25-95</u>	DATE <u>8-25-95</u>
TIME <u>05:00</u>	TIME <u>07:45</u>	TIME <u>12:44</u>	TIME <u>19:46</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>P. ELWOOD</u>	<u>420041</u>	<u>LIBERAL Ks</u>
<u>H. TERDOR</u>	<u>52938</u>	<u>"</u>
<u>G. KINSTON</u>	<u>4673</u>	<u>Hogston Ks</u>
<u>S. PATER</u>	<u>4461</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ 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. _____
 OTHER _____
 OTHER _____

RELEASED

NOV 1 1996

FROM CONFIDENTIAL

CONFIDENTIAL

RECEIVED DEPARTMENT Seal Cont
 STATE CORPORATION COMMISSION DESCRIPTION OF JOB 2 1/2 S. SERVICE

OCT 21 1995

CONSERVATION DIVISION
 Wichita, Kansas

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Robert Elwood COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>340</u>	<u>P. MASON 2</u>		<u>B</u>	<u>2 1/2 G.G., 1/4 1/2 IN Flocell</u>	<u>3.22</u>	<u>11.1</u>
	<u>160</u>	<u>P 1</u>		<u>B</u>	<u>2 1/2 G.G., 1/4 1/2 IN Flocell</u>	<u>1.34</u>	<u>14.2</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.-GAL. 105.9
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 1949 + 32.18
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 42.78 REASON SHOE JOINT

M.S.D.S. GIVEN TO COMPANY MAN

CUSTOMER Ambridge Petr Corp
 LEASE Wichita
 WELL NO. _____
 JOB TYPE 2 1/2 S. SERVICE
 DATE 8-25-95



JOB LOG HAL-2013-C

CUSTOMER ANADARKO PET. CORP.	WELL NO. 6	LEASE MOONHEAD "C"	JOB TYPE 2 1/2 SURFACE	TICKET NO. 211526
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	05:00							Called out - Ready Above
	07:45							on loc. Rig Down
	07:50							Trip Out of Hole For Bit Trip
	10:30							Trip in Hole to Drill
	11:35							START DRILLING
	15:05							T.O.
	15:15							T.O.G.H.
	17:00							START Csg.
	18:15							Csg on Pattern
	18:30							Heat up Circulate with Rig
	18:44	7.4	194.9			250		START LEAD CNT @ 7 1/2" #100
	19:10	4.3	38.8			200		START Tail CNT @ 14 1/2" #100
	19:18					0		SHUT Down
	19:19					0		DRAG 5 WIPER Tap Plug
	19:20	4.4	109.9			0		START Displacement WASH Pumps & Lines
	19:45					400		Plug Down
	19:46					1000		Release BRACK / FLOAT HOLDING
	19:47					0		Rig Down Job Complete

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NOV 1 1995 RELEASED

OCT 20 1995 CONFIDENTIAL

FROM CONFIDENTIAL CIRCULATED TO P.I. 30 BBL'S 52 SK'S

RECEIVED STATE CORPORATION COMMISSION

OCT 24 1995

CONSERVATION DIVISION Wichita, Kansas

THANK YOU FOR CALLING HALLIBURTON ENERGY SERVICES ROBERT E. GREEN

Time on loc. 1 1/2 HRS Pump time 1 HR.



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

ANADARKO Petroleum Corp

CITY, STATE, ZIP CODE

Liberal KS

No. 811526 - 1

PAGE 1 OF 2

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1. SERVICE LOCATIONS 025540 Liberal	WELL/PROJECT NO. 6	LEASE MOOREHEAD C	COUNTY/PARISH STEVENSON	STATE KS	CITY/OFFSHORE LOCATION LOCAL TOWN	DATE 8-25-95	OWNER Some
2. 025235 Hopton	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Big A Drilling	RIG NAME/NO.	SHIPPED VIA Hess	DELIVERED TO	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	14, 31, 35	
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	1	0	66	M	2.75	181
001-016					Pump Charge	6	HR	1770	FT		1320
030-019					S-WIPER Top Plug	8 5/8	IN	1	EA		130
001-018					ADDITIONAL Hours	1	HR	6	EA	235.00	1410
12 A	825-217				REG. GUIDE SHOE	8 5/8	IN	1	EA		216
24 A	815-19502				INSERT FLOAT	8 3/8	IN	1	EA		171
27	815-19415				FILL ASSEMBLY	8 5/8	IN	1	EA		55
40	806-61048				CENTRALIZERS	8 5/8	IN	5	EA	65.00	325
320	866-71460				CMT BASKET	8 5/8	IN	1	EA		122
350	850-10802				WELD-A	1	LB	1	EA		14

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RECEIVED STATE CORPORATION COMMISSION

OCT 27 1995

CONSERVATION DIVISION

WIGHT & KATZ

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

[Signature]

DATE SIGNED _____ TIME SIGNED _____

A.M. P.M.

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	3945
FROM CONTINUATION PAGE(S)	9,378
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	13,323

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) *David Gilmore* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *[Signature]* HALLIBURTON OPERATOR/ENGINEER *ROBERT ELWOOD* EMP # *D.4360* HALLIBURTON APPROVAL _____



HALLIBURTON

TICKET CONTINUATION

DUNCAN COPY

DM 87

TICKET No. 811526

HALLIBURTON ENERGY SERVICES

CUSTOMER APC WELL MOORHEAD #6 DATE 8-25-95 PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL		DATE		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-282					MUD CON. 2 1/2	340	SKS			16.39	5572.60
507-285	70.15250										
508-127	516.00335										
504-050	516.00265				Premium Plus cement	160	PKS			11.91	1905.16
509-406	890.50812				Calcium chloride 2% w/all	9	SKS			36.75	330.75
507-210	890.50812				Flocate 1/4 # w/all	125	#			1.65	206.25
<p>CONFIDENTIAL ORIGINAL NOV 1 1996 RELEASED FROM CONFIDENTIAL RECEIVED STATE CORPORATION COMMISSION OCT 27 1995 CONFIDENTIAL DIVISION Wichita, Kansas</p>											
500-207					SERVICE CHARGE						
500-306					MILEAGE CHARGE						
					TOTAL WEIGHT	491.55					
					LOADED MILES	27					
					CUBIC FEET	543					
					TON MILES	663.60					

No. B 209765

CONTINUATION TOTAL 9,378.67



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

11000 Court
Liberon, KS

BILLED ON TICKET NO. 812247

WELL DATA

FIELD _____ SEC. 14 TWP 31S RNG 35W 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		15.5	5K	KB	576.4	
LINER						
TUBING						
OPEN HOLE			7 1/2		5780	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CONFIDENTIAL

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 9-14	DATE 9-4	DATE 9-4	DATE 9-4
TIME 1130	TIME 1430	TIME 2115	TIME 2315

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
5/8" Inset Float	1	Harco
Fill up	1	
1 1/2" Bgs	14	
PACKER	1	Bucket

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Deane	420841	Liberon Ks
Abhion	59179	"
Chilly	52938 A	"
	7131	"
	50737	Hugton Ks
	41561	4731

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ORIGINAL

NOV 1 1996

FROM CONFIDENTIAL

MATERIALS

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

DEPARTMENT Cement
 DESCRIPTION OF JOB 5 1/2 Prod String

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

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR Deane's Copy COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	50	Keroset	(SAV)		4/10 2/10 322 5% KCL 3/10 1/4 #	2.6	11.0
	130	Keroset			4/10 2/10 322 5% KCL 9/10 1/4 #	1.42	14.5

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____ PRES LUSH: BBL. 30 / 10 TYPE 10 / 10
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 136.40
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT CURRY: BBL.-GAL. 233 Save 32.87
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 14340 REASON See Joint

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 STATE CORPORATION COMMISSION
 OCT 24 1995
 CONSERVATION DIVISION
 Wichita, Kansas

REMARKS

CUSTOMER: Ames
 LEASE: 11000 Court
 WELL NO.: 5-6
 JOB TYPE: 5 1/2 Prod String
 DATE: 9-4-95

JOB LOG - HAL-2013-C

CUSTOMER <i>Amoco Prod</i>	WELL NO. C-6	LEASE <i>Moorehead</i>	JOB TYPE 5 1/2 Prod String
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							Time Called
	1530							Time Ready
								Time on loc.
	1645							Start Pump Casing
	2113							Casing in Hole
	2115							Hook up to Circulate
	2125							Circulate Casing w/ Pump
	2127							Circulate Mud to Ground level
	2215							Hook up to Pump Truck
	2218	5	20					400 Start 2% KCl Mud
	2222	/	30					400 Start Mud Flush
	2228	/	20					400 Start 2% KCl Behind
	2232	6						400 Start Mix Cement 'SCAV'
	2235	/	28.3					300 Start Tail Cement
	2241	/	32.87					350 Finish Mix Cement
	2242	/						350 Shut Down
	2245							wash Pumps - lines
		4.5 Avg	136.4					Drop Plug
	2315							Start Displacement
								Shut Rate 2 1/2 BBL / min 125 PSI
								Plug Down
								Float held
								lost cement 12.5 BBL
								in Dip cone Rock 132
								RTM Full Return

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NOV 1 1996

FROM CONFIDENTIAL

Thanks For Calling Halliburton

Dennis T. Crawford

RECEIVED
STATE CORPORATION COMMISSION

OCT 2 1995

CONSERVATION DIVISION
Wichita, Kansas
CUSTOMER



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

FORWARD COPY

TICKET No. 812247 - 7

HAL-1906-N

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. <u>25540 Lisouto Ks</u>	<u>C-6</u>	<u>Moore Head</u>	<u>Stevens</u>	<u>Ks</u>		<u>9-14-95</u>	<u>Anadarko</u>
2. <u>25535 Hutton Ks</u>							
TICKET TYPE	NITROGEN JOB?	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
<input checked="" type="checkbox"/> SERVICE	<input type="checkbox"/> YES		<u>Big A Doby</u>		<u>Loc</u>		
<input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO						
WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERM NO.	WELL LOCATION			
	<u>01 03</u>	<u>035 5 1/2 Prod String</u>		<u>NOF wood's Ks</u>			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

RELEASED
 NOV 1 1996
 FROM CONFIDENTIAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	62		Mile		2.75	170.50
001-016					Pump charge	5764		FT			2000.00
030-016					5w Top Plug	1		Each	5%	60.00	60.00
001-018					Additive w/ Plug	2		Flues		235.00	470.00
12 A	825-201				Guide Shoe	1		Each	5%	95.00	95.00
24 A	815-19251				Insert Float	1				110.00	110.00
27	815-19311				Fillup	1				55.00	55.00
40	806-60022				Centralizers	14				60.00	840.00
320	806-71430				Basket	1				90.00	90.00
314-163					Ch Fix II	2		8L		28.00	56.00
018-315					Mud Flush	1260		8L		.65	819.00

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OCT 24 1995

CONSERVATION DIVISION
Wichita, Kansas

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

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

X [Signature]
 DATE SIGNED: _____ TIME SIGNED: _____

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 _____

ON 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	14765	150
FROM CONTINUATION PAGE(S)	4058	122
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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
<u>[Signature]</u>	X <u>[Signature]</u>	<u>Dennis Coore</u>	<u>59179</u>	



HALLIBURTON

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 812247

HALLIBURTON ENERGY SERVICES

CUSTOMER ANADARKO

WELL MUDRCHAD C-6

DATE 9-25-95

PAGE 1 OF 1

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-043	516.00272				Premium CEMENT	180	YES			11.55	2079.00
507-775	516.00144				HALAD 322 6/10% w/all	102	#			7.00	714.00
508-092	70 15302				Potassium chloride 3% w/all	431	#			0.27	116.37
508-095	516.05789				Versant 9/10% w/all	152	#			3.90	592.80
507-210	890.50031				Flocalc 1/4# w/all	45	#			1.65	74.25
CONFIDENTIAL											
ORIGINAL											
OCT 20 1995											
CONFIDENTIAL											
NOV 1 1996											
RELEASED											
RECEIVED STATE CORPORATION COMMISSION FROM CONFIDENTIAL											
OCT 24 1995											
CONSERVATION DIVISION WICHITA, Kansas											
500-207					SERVICE CHARGE						
500-306											
						CUBIC FEET	183			1.35	247.05
						MILEAGE CHARGE				.95	234.75
						TOTAL WEIGHT	17650				
						LOADED MILES	28				
						TON MILES	247.10				

No. B 211773

CONTINUATION TOTAL 4058.22



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Wichita
Lipscomb

BILLED ON TICKET NO. 881176

WELL DATA

FIELD _____ SEC. 14 TWP. 31S RNG. 35W 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		15'	5 1/2"	GL		
LINER						
TUBING			2 3/8"	KB	3115	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

JOB DATA

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

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-8</u>	DATE <u>9-8</u>	DATE <u>9-8-</u>	DATE _____
TIME <u>0600</u>	TIME <u>0800</u>	TIME <u>1015</u>	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Davis</u>	<u>59179</u>	<u>Lipscomb Ks</u>
<u>Allison</u>	<u>52938 A</u>	<u>"</u>
	<u>62275</u>	<u>7131</u>
<u>J. Wilson</u>	<u>4673</u>	<u>Horton Ks</u>
	<u>12442</u>	<u>6610</u>
<u>H. Tadlock</u>	<u>56623</u>	<u>Acid Transp. Lipscomb Ks</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID 30% water DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE FE GAL. 300 % 15%
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. NO IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. OCT 20 IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB Cement Pore Collar
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE [Signature]
 HALLIBURTON OPERATOR Dennis Cozic COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	RELEASED	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>55</u>	<u>Melcon</u>	<u>2#</u>		<u>2% CC STATE CORPORATION COMMISSION</u>	<u>NOV 1 1995</u>		<u>11.0</u>
					<u>OCT 24 1995</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 Wichita, Kansas

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 12.0
 CEMENT SLURRY: BBL.-GAL. 19.4
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER Academy Petroleum Corp
 LEASE Moorehead
 WELL NO. C-6
 JOB TYPE Cement Pore Collar Date 9-8-95

JOB LOG HAI-2013-C

 CUSTOMER: *Amoco Petro Corp* WELL NO.: *C-6* LEASE: *Macedon* JOB TYPE: *Cent Post Collar* TICKET NO.: *881176*

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

0600
 0900
 0800

RELEASED
 NOV 1 1996

Time Collected
 Time Ready
 Time out of

CONFIDENTIAL

FROM CONFIDENTIAL

Rig Pumping Tubs in Hole

1015
 1023
 1028
 1033
 1034 2
 1036 5
 1038
 1051 19.8
 1052
 1056 11.5
 1057
 1080
 1101
 1110 16 OCT 20

3.5
 1000
 280
 250/100
 50
 50
 150
 1000

Hookup to TUB.
 Load TUB.
 Press up To Tool
 Release Press To 500^{PSI} + Open Tool
 Set Inlet slow rate
 Shut Down Start Mix Cement
 Start Down Hole w/ Cement
 Finish Mix Cement
 Start Displacement
 Shut Down Close Post Collar.
 Press up.
 Release Press
 Reverse out TUB
 Shut Down

ORIGINAL

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Back hose from TUB.
 Rig Trip Tubs in Hole To Bottom FOR Acid Job

1250
 1253 1/4^{OPM}
 1313
 1415
 1417
 1428
 1429
 1430

300^{BBL}
 25^{BBL}

Hookup to TUB
 Start Acid
 Start Flush
 Shut Down Hookup to BS + Reverse Fluid
 Start Pumping
 Shut Down
 Back hose Tubs + casing
 Finish w/ Job

Thanks For Calling
 Halliburton
 [Signature]

OK [Signature]

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 9 1995
 CONSERVATION DIVISION
 Wichita, Kansas

4¹⁵ hrs
 6³⁰ on loc.



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: Amoco Petroleum Corp
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CUSTOMER COPY
 No. 881176 - X
 PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Amoco Ks 28540</u> 2. <u>Amoco Ks 28535</u>	WELL/PROJECT NO. <u>C-6</u>	LEASE <u>Wagonhead</u>	COUNTY/PARISH <u>Stevens</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>9-8-95</u>	OWNER <u>Amoco</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <u>Blaise with Sources</u>	SHIPPED VIA	DELIVERED TO <u>Loc</u>	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE <u>Constr Post Cullak</u>	WELL PERMIT NO.	WELL LOCATION <u>W of Woods Ks</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>0103</u>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		/			MILEAGE	60	Miles			2.75	165.00
009-019		/			Pump charge	3115	FT				1570.00
011-100	300-024	/			Pump charge	1/2000	FEI				670.00
300-130		/			Oiliness/Change R/E Transport	14	W/SS			35.00	140.00
207-001		/			FE Acid	300	gal			1.33	399.00
210-017		/			HAT 81	1	gal			35.00	35.00

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 STATE CORPORATION COMMISSION
 CONSERVATION DIVISION
 Wichita, Kansas
 OCT 9 1 1995

CONFIDENTIAL
 CONFIDENTIAL
 OCT 20
 NEW

ORIGINAL

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X [Signature]
 DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS PULLED & RETURNED 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	2794
FROM CONTINUATION PAGE(S)	1094 20
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>[Signature]</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <u>[Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP # <u>53179</u>	HALLIBURTON APPROVAL
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HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 381176

23

FORM 1911 R-10

CUSTOMER Anadarko Petroleum Corp.	WELL Moorehead C-6	DATE 09-08-95	PAGE OF
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-282					Midcon	55	slj			16 39	901 45
509-406	890.50812				Calcium Chloride 2%W/ 55	1	sk			36 75	36 75
<p>CONFIDENTIAL</p> <p>ORIGINAL</p> <p>RECEIVED STATE CORPORATION COMMISSION OCT 24 1995 CONSERVATION DIVISION Michigan, Kansas</p> <p>CONFIDENTIAL</p> <p>NOV 1 1996</p> <p>RELEASED</p> <p>FROM CONFIDENTIAL</p>											
500-207					SERVICE CHARGE	CUBIC FEET		60		1 35	81 00
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		95	75 00
					5457	24	65,484				

No. B 209788

CONTINUATION TOTAL

10914.20