

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

KPI NO. 15- 129-24,280-0000

ORIGINAL

County MORTON

CONFIDENTIAL

1/2 - S/2 - NW Sec. 34 Twp. 32S Rge. 40 X W

Operator: License # 4549

2200 Feet from X (N) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1320 Feet from X (W) (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name KRABER "A" Well # 1

Purchaser: ANADARKO GATHERING COMPANY

Field Name STIRRUP

Operator Contact Person: J. L. ASHTON

Producing Formation UPPER MORROW "D"

Phone (316) 624-6253

Elevation: Ground 3318.5 KB 3330.5

Contractor: Name: GABBERT-JONES, INC.

Total Depth 5933 PBDT 5304

License: 5842

Amount of Surface Pipe Set and Cemented at 1570 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? X Yes No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set 2648 Feet

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

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

If Workover: **RELEASED**

Drilling Fluid Management Plan ALT 1 8/9 1-31-95
(Data must be collected from the Reserve Pit)

Operator:

Chloride content 73,166 ppm Fluid volume 5000 bbls

Well Name: OCT 2 6 1995

Dewatering method used NATURAL EVAPORATION

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite: KUC

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

Operator Name AUG 17

Lease Name License No.

5/19/94 6/1/94 8/9/94
Spud Date Date Reached TD Completion Date

Quarter S Rng. E/W

County Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 SR. TECHNICAL ASSISTANT Date 8/16/94

Subscribed and sworn to before me this 16th day of August 19 94.

Notary Public Cheryl Steers

Date Commission Expires



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

Form ACO-1 (7-91)

RECEIVED
STATE CORPORATION COMMISSION
8-19-94
AUG 19 1994

CONSERVATION DIVISION
WICHITA, KANSAS

Property of **Ks Corp. Company**
 Operator Name **ANADARKO PETROLEUM CORPORATION**

SIDE TWO
 Lease Name **KRABER "A"** Well # **1**
 County **MORTON**

Sec. **34** Twp. **32S** Rge. **40**
 East
 West

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.)

Log Formation (Top), Depth and Datums Sample
 Name Top Datum
 SEE ATTACHMENT

List All E.Logs Run: **DUAL INDUCTION**
MINI
COMPENSATED NEUTRON
SEGMENTED BOND
SBT GAMMA RAY

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	1570	50/50 POZ/CL H	550/200	4% GEL, 2%CC/2%CC
PRODUCTION	7 7/8	5 1/2	15.5	5933	65/35 POZ/THXST	50/315	1/4# SX FLOCELE/ 1/4#SX FLOC, 5%KCL
		FO TOOL @		2648	65/35 POZMIX	150	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	SEE ATTACHMENT	REMEDIAL CEMENTING		NECESSITATED BY POOR PRIMARY CEMENT JOB

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	[SEE ATTACHMENT] 5822'-5834'		
4	5233'-5266'		
	CIBP @ 5230' [LATER DRILLED OUT]		
	CIBP @ 5810'	CMT, RETAINER SET @ 5330'	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8	5185		
Date of First, Resumed Production, SWD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
8/4/94				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	4 BC	1897	15	-- --

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Production Interval: 5233' - 5266'
 Other (Specify)

ATTACHMENT

CONFIDENTIAL

ORIGINAL

KRABER "A" NO. 1
SECTION 34-32S-40W
MORTON COUNTY, KANSAS

<u>FORMATION</u>	<u>TOP</u>
B. STONE CORRAL	1576
KRIDER	2284
COUNCIL GROVE	2555
ADMIRE	2796
WABUANSEE	2987
TOPEKA	3231
GREENWOOD	3601
HEEBNER	3709
TORONTO	3725
LANSING	3813
KANSAS CITY	4198
MARMATON	4496
CHEROKEE	4648
MORROW	5075
MORROW "D"	5233
LOWER MORROW	5372
CHESTER	5576
STE. GENEVIEVE	5616
ST. LOUIS	5760
TD	5933

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OCT 26 1995
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NOO
AUG 17
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<u>SHOTS PER FOOT</u>	<u>PERFORATION RECORD</u>	<u>ACID, FRACTURE, SHOT, CEMENT SQUEEZE</u>
2	5822-34	
4	5246-66	
4	5350-51	
4	5190-91	ACIDIZE W/100 GALS 15% MCA ACID
4	5140-41	
4	5189-90	
4	5233-66	

PUMP DN 3-1/2" TBG W/500 GALS 7-1/2% FE
ACID, FLUSH W/4000 GALS 35# LINEAR GEL.
FRAC W/33,000 GALS 35# BORAGEL &
138,000# 16/30 SD, FLUSH W/1900 GALS
LINEAR GEL.

<u>DEPTH</u>		<u>TYPE OF CEMENT</u>	<u>#SACKS USED</u>	<u>TYPE AND PERCENT ADDITIVES</u>
<u>TOP</u>	<u>BOTTOM</u>			
5350	5351	LWL	75	
4942	5207	MICROMATRIX	22	
5039	5207	MICROMATRIX	15	

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AUG 19 1994

CONSERVATION DIVISION
WICHITA, KANSAS

CONFIDENTIAL

ORIGINAL

GABBERT-JONES, INC.
WICHITA, KANSAS

- DRILLERS' WELL LOG -

RECEIVED

JUN 07 1994

PRODUCTION
LIBERAL DIVISION

WELL NAME: KRABER "A" #1
Sec 34-32S-40W
Morton County Kansas

COMMENCED: 5-19-94
COMPLETED: 6-1-94
OPERATOR: Anadarko Petroleum Corp.

DEPTH		FORMATION	REMARKS
From	To		
0	390	Sand	Ran 38 jts of 24# 8 5/8" csg set @ 1570 w/550 sks
390	1140	Redbed-Gyp	50/50 Posmix 2% CC 4% Gel
1140	1310	Sand	200 sks class H 2% CC
1310	1571	Redbed-Gyp	PD @ 2:30 PM 5-20-94
1571	1900	Anhy-Shale	1" to 60' w/100sks class H
1900	2700	Shale-Lime	complete @ 5:00PM 5-20-94
2700	5933	Lime-Shale	

5933 - TD

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Ran 137 jts of 15 1/2# 5 1/2" csg set @ 5932' FO Tool @ 2648' Cemented w/50 sks 65/35 Posmix Lite 1/4# Flocele - 315 sks Thixset class H 1/4# Flocele PD @ 3:45PM 6-1-94 RR @ 4:45PM 6-1-94

KCC

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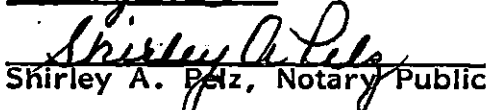
STATE OF KANSAS]
COUNTY OF SEDWICK]

I, the undersigned, being duly sworn on oath, state that the above Drillers' Well log is true and correct to the best of my knowledge and belief and according to the records of this office.

GABBERT-JONES, INC.


James S. Sutton, II President

Subscribed & sworn to before me this 6th day of June, 1994


Shirley A. Pelz, Notary Public



My commission expires October 18, 1997

JOB LOG FORM 2013 R-4

CUSTOMER **Anadarko Pet** WELL NO. **1** LEASE **Krober "A"** JOB TYPE **Long String** TICKET NO. **677686**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							Called out
	0700							On Location Nipping Down
	0755							Run casing & float equipment
	1028							Hook up to circulate
	1038							Break circulation
	1116							Hook To Truck safety meeting
	1120	5	20			250		Pump 2% KCl water
	1125	5	30			250		Pump mud flush
	1132	5	20			250-300		Pump 2% KCl water
	1136	5	38			200		Pump lead cement
	1145							Shut down, (pumped Tail 105 SKS Cement ahead of lead cement)
	1155							Cleaned up pump & lines Then hooked to rig pump To circulate cement out of hole.
								ordered more Tail cement 3/5 SKS thickset + 5% KCl 1/4 LB Flacale
	1347							Cement arrived at location
	1419	2.5	20			0-600		Pump KCl 2% water
	1427	2.5	30			600		mud flush started
	1435	2	20			700		Pump 2% KCl water
	1445	5	16			800		START Lead Cmt 50 SKS
	1451	5	80			800		START Tail Cmt
	1504							Shut down wash pump & lines Prop Plug
	1509	6	130			800-550		Start Displacement
	1530	1	9			550-1000		Slow Rate
	1540							Plug Down, Float Held JOB END
								Thank you For calling R. Crist H. Tedder J. Adair F. Casias

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WELL DATA

FIELD _____ SEC 34 TWP 32S RNG 40W COUNTY Morton STATE KS

FORMATION NAME **ORIGINAL** 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>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>5954</u>	
LINER						
TUBING						
OPEN HOLE					<u>5000</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-1-94</u>	DATE <u>6-1-94</u>	DATE <u>6-1-94</u>	DATE <u>6-1-94</u>
TIME <u>0300</u>	TIME <u>0700</u>	TIME <u>1120</u>	TIME <u>1540</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		<u>H Water</u>
FLOAT SHOE		<u>0</u>
GUIDE SHOE	<u>Reg 5 1/2</u>	<u>1</u>
CENTRALIZERS	<u>43</u>	<u>29</u>
BOTTOM PLUG		<u>W</u>
TOP PLUG	<u>5W 5 1/2</u>	<u>1</u>
HEAD		<u>C</u>
PACKER		<u>0</u>
OTHER	<u>1 lb weld</u>	<u>1</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R Crist</u>	<u>40078</u>	<u>Liberal</u>
<u>D-7653</u>	<u>Plu</u>	
<u>H Tedder</u>	<u>5060</u>	<u>11</u>
<u>56623</u>	<u>RCM</u>	
<u>J A Dair</u>	<u>7699</u>	<u>Hugoton</u>
<u>G 3813</u>	<u>Bulk</u>	
<u>F. Casias</u>	<u>7620</u>	<u>11</u>
	<u>Bulk</u>	

MATERIALS

TREAT. FLUID: _____ DENSITY _____ LB./GAL. API

DISPL. FLUID: _____ DENSITY _____ LB./GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RELEASED

OCT 26 1995

DEPARTMENT Cement
 DESCRIPTION OF JOB Cement Production
pipe

CONFIDENTIAL

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X John Steen

HALLIBURTON OPERATOR Ronald C Crist COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>50</u>	<u>POZ H Lite weight</u>	<u>B</u>	<u>69/35 POZ H</u>		<u>1.84</u>	<u>10#</u>
	<u>315</u>	<u>Thixset H</u>	<u>B</u>	<u>5% KCL 1/4 floccule</u>		<u>1.43</u>	<u>19#</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

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 44 REASON _____

PRESLUSH: GAL 40 KCL 2% TYPE Mud Flush 3000

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL. BBL-GAL 140.6

CEMENT SLURRY: BBL-GAL 16 LC 80 TC

TOTAL VOLUME: BBL-GAL _____

REMARKS _____

RECEIVED STATE CORPORATION COMMISSION

AUG 19 1994

CUSTOMER Anadarko
 LEASE Kraber
 WELL NO. 1
 JOB TYPE Long string
 DATE 1-9-94



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

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

COPY

TICKET No. **6776**
 RECEIVED BY: *...*
 DATE: **AUG 19 1994**
 STATE: *...*
 COUNTY: *...*
 CITY: *...*

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE
1.	<i>2</i>	<i>K...</i>	<i>Morton</i>			<i>6-1-94</i>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO
3.			<i>C...</i>	<i>12</i>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	ORDER NO.
REFERRAL LOCATION	INVOICE INSTRUCTIONS					

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PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
<i>...</i>					MILEAGE	<i>44</i>	<i>mi</i>	<i>1</i>		<i>7.75</i>	<i>121.00</i>
<i>...</i>					<i>Pump Change</i>						<i>2000.00</i>
<i>12 A</i>	<i>875-225</i>				<i>Guide Shoe</i>	<i>5/2</i>	<i>in</i>	<i>1</i>			<i>121.00</i>
	<i>215-14751</i>				<i>Turret Head</i>	<i>5/2</i>	<i>in</i>	<i>1</i>			<i>110.00</i>
	<i>7-1970</i>				<i>Fill up</i>			<i>1</i>			<i>59.00</i>
<i>4</i>	<i>906-630.2</i>				<i>Control Valve</i>	<i>5/2</i>	<i>in</i>	<i>29</i>		<i>44.00</i>	<i>1276.00</i>
	<i>6-6-700.2</i>				<i>Bracket</i>	<i>5/2</i>	<i>in</i>	<i>1</i>			<i>110.00</i>
<i>550</i>	<i>890-108.0</i>				<i>Weld A</i>	<i>1</i>	<i>ft</i>	<i>1</i>			<i>14.50</i>
<i>019-315</i>					<i>Made 11051</i>	<i>1260</i>	<i>ac</i>	<i>1</i>			<i>89.00</i>
<i>214-107</i>					<i>Clay</i>	<i>4</i>	<i>gal</i>	<i>1</i>		<i>34.00</i>	<i>136.00</i>
<i>231-171</i>					<i>5 wiper 114</i>			<i>12</i>			<i>60.00</i>

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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.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X

DATE SIGNED: *...* TIME SIGNED: *...*

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	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	<i>4782.50</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S)	<i>7898.14</i>
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? <input type="checkbox"/> YES <input type="checkbox"/> NO				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	<i>12878.84</i>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	HALLIBURTON APPROVAL
	X	<i>...</i>	<i>...</i>

the services are performed or

al or state statute to the e

ication is made
uston, Tex

HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY 15

TICKET No. **D**
06-1

CUSTOMER
Anadarko

WELL
Kraber A-1

DATE
06-1

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT.	DF		QTY.	U/M		
504-043	516.00272				Premium Cement	315	SK	9.22	3093.30
504-118					Halliburton Light Cement	50	sk	8.90	445.00
504-043	516.00272								
506-105	516.00286								
506-121	516.00259								
507-210	890.50071				Flocele 1/4W/365	91	LB	1.65	150.15
508-002	70.15302				Potassium Chloride 5W/315	892	LB	.27	240.84
508-101	70.15347				Thixset-a 1W/315	296	LB	5.35	1583.60
508-103	516.00541				Thixset-B .25W/315	74		9.45	699.30
500-207					SERVICE CHARGE				
500-306					MILEAGE CHARGE				
					TOTAL WEIGHT				
					LOADED MILES				
					CUBIC FEET				
					TON MILES				
						972		1.35	1312.20
						391.314		.95	371.75

ORIGINAL

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NOV
AUG 17
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OCT 26 1995
FROM CONFIDENTIAL

STATE OF KANSAS
CORPORATION COMMISSION
AUG 19 1994
DIVISION
WICHITA, KANSAS

No. B 255130

CONTINUATION TOTAL **7896.14**

JOB LOG FORM 2013 R-4

CUSTOMER ANADARKO	WELL NO. D-1	LEASE KRABER	JOB TYPE 849 SURFACE	TICKET NO. 677532
-----------------------------	------------------------	------------------------	--------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	08:30							Called out Ready Now
	11:10							on loc Rig Circ on Bottom
	12:40							START CASING
	13:25							Casing on Bottom
	13:32							Circ w/ Rig
	13:37							Hook to Halliburton
	13:41	6.7	141.05				250	START LEAD CMT
	14:02	6.29	37.75				250	START TAIL CMT
	14:08							DROP PLUG
	14:10	4.82	97.47				0	START Displacement Wash Pumps & Lines
	14:30						500	Plug Point / Holding
								RELEASED
								OCT 26 1995
								FROM CONFIDENTIAL
	14:30							Circ to Pit
	16:12							OBBLs
	16:48	2.69	18.87				250	START Pumping 1" CMT
	16:55						250	SHUT DOWN
								Thank you for calling Halliburton Robert & Crew
								NCC
								AUG 17
								CONFIDENTIAL
								RECEIVED STATE CORPORATION COMMISSION
								AUG 19 1994
								CONSERVATION DIVISION WICHITA, KANSAS



JOB SUMMARY

HALLIBURTON DIVISION
 HALLIBURTON LOCATION

MER CONT
LEADER Ks

BILLED ON TICKET NO. 627532

WELL DATA

FIELD _____ SEC. 34 TWP. 32 RING. 40 COUNTY MORTON STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 1571

JOB DATA

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
<u>N</u>	<u>24</u>	<u>8 3/8</u>	<u>R.B</u>	<u>1570</u>	
		<u>12 1/4 G.L</u>	<u>1571</u>		SHOTS/FT.

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSEAR W/FILL</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>40</u>		
GUIDE SHOE <u>129</u>	<u>1</u>	
CENTRALIZERS <u>S.-4</u>	<u>3</u>	
BOTTOM PLUG		
TOP PLUG <u>S. Wiper</u>	<u>1</u>	
HEAD <u>QC PC</u>	<u>1</u>	
PACKER <u>BRACKET</u>	<u>1</u>	
OTHER <u>WEID A</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. _____ 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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Edwood</u>	<u>37458</u>	
<u>D. NDFEAT</u>	<u>P. U 4360</u>	<u>LEADER Ks</u>
<u>R. GARRISON</u>	<u>4903</u>	
<u>D. McIntyre</u>	<u>7848 (P)</u>	
<u>L. Pack</u>	<u>50737</u>	
<u>G. 2729</u>	<u>75505 (A)</u>	<u>Hugoton Ks</u>
<u>D. 9704</u>	<u>52920</u>	
<u>G. 2908</u>	<u>6612 (B)</u>	
	<u>3626</u>	
	<u>7620 (B)</u>	

DEPARTMENT CMT

DESCRIPTION OF JOB 2 5/8 SURFACE

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

CUSTOMER REPRESENTATIVE X Job Shop

HALLIBURTON OPERATOR ROBERT EDWOOD COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>550</u>	<u>50% Prem Prem</u>	<u>H</u>	<u>B</u>	<u>47% total Gel, 2% C.C.</u>	<u>1.44</u>	<u>13.5</u>
	<u>200</u>	<u>Prem</u>	<u>H</u>	<u>B</u>	<u>2% C.C.</u>	<u>1.06</u>	<u>18.4</u>
	<u>100 SKs</u>	<u>Prem</u>	<u>H</u>	<u>B</u>	<u>2% C.C.</u>	<u>1.06</u>	<u>16.4</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 38- REASON SHOE JOINT

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 97.47

CEMENT SLURRY BBL.-GAL. 141.05 + 37.75 + 18.87

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

See last circ ORDERED
100 SKs Prem + 100' 1" Pipe.

ORIGINAL

CONFIDENTIAL

RELEASED

FROM CONFIDENTIAL

CONFIDENTIAL

CUSTOMER: ANADARCO

LEASE: LEADER

WELL NO: A-1

JOB TYPE: 2 5/8 SURFACE

DATE: 5-20-94



CHARGE TO:
AWADARKO
 ADDRESS
 CITY, STATE, ZIP CODE

COPY

TICKET

No. **677532 - 9**

PAGE **1** OF **3**

FORM 1908 R-13

SERVICE LOCATIONS 1. 023540 LEBE2#1	WELL/PROJECT NO. M-1	LEASE KRACER	COUNTY/PARISH MORTON	STATE Ks	CITY/OFFSHORE LOCATION LOCATION	DATE 5-20-94	OWNER SAME
2. 023533 HUGO#	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR GET	RIG NAME/NO. 12	SHIPPED VIA TRUCK	DELIVERED TO LOCATION	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 010	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

RELEASED
 OCT 26 1995
 FROM CONFIDENTIAL

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	1	104	mi	2.75	286	00
001-010					Pump Charge	6	1570	HR		1320	00
020-018					5-WIRE PLUG	8 3/8	1	EA		1.30	00
12A	825.217				Reg Guide shoe	8 3/8	1	EA		216	00
24A	815.19502				INSERT FLOAT	8 3/8	1	EA		171	00
27	815.19415				Fill Assembly	8 3/8	1	EA		55	00
40	806.61048				CENTRALIZERS	8 3/8	3	EA	65.00	195	00
320	806.70076				CMT BASKET	8 3/8	1	EA		122	00
350	890.10802				WELD A	1	14	EA		14	50

CONFIDENTIAL

ORIGINAL

AUG 17
CONFIDENTIAL

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

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X *[Signature]*

DATE SIGNED: _____ TIME SIGNED: _____

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	SURVEY 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	AGREE	UN-DECIDED	DIS-AGREE
BEAN SIZE	SPACERS				
TYPE OF EQUALIZING SUB.	CASING PRESSURE				
TUBING SIZE	TUBING PRESSURE				
TREE CONNECTION	TYPE VALVE				

PAGE TOTAL 1 2,509 50
 FROM CONTINUATION PAGE(S) 2 8,657 78
 Page 3 1425 13
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 12,592 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) <i>[Signature]</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP # <i>[Number]</i>	HALLIBURTON APPROVAL
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HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

151

TICKET No. 677532

CUSTOMER Anadarko Petroleum Corp.

WELL Kraber A-1

DATE 05-20-94

PAGE 2 OF 3

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF		U/M	U/M				
504-043	516.00272				Premium Cement	200	sk	9.82	1964.00		
504-131					50/50 Premium Pozmix Cement	550	sk	7.70	4235.00		
504-043	516.00272										
506-105	516.00286										
506-121	516.00259										
507-277	516.00259				Halliburton Gel Added 2&W/550	9	sk	18.60	167.40		
509-406	890.50812				Calcium Chloride 2&W/ 750	13	skg	36.75	477.75		
ORIGINAL	CONFIDENTIAL										
					RELEASED						
					OCT 26 1995						
					FROM CONFIDENTIAL						
						NOV					
						AUG 17					
						CONFIDENTIAL					
500-207					SERVICE CHARGE	CUBIC FEET	8794	1.35	1071.90		
500-306					MILEAGE CHARGE	TOTAL WEIGHT	67,893	LOADED MILES 23	TON MILES 780/7695	95	741.73

No. B 255222

CONTINUATION TOTAL

8,1657.78