

FORM MUST BE TYPED

SIDE ONE

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: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: CHEYENNE DRILLING

License: 5382

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 PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

1-20-97 1-22-97 2-25-97
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21481 - 00-00

County MORTON

SE - SE - NW - NE Sec. 5 Twp. 34 Rge. 41 X E

1250 Feet from (N)X (circle one) Line of Section

1390 Feet from (E)X (circle one) Line of Section

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

Lease Name USA WACKER "H" Well # 2H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3407.0 KB _____

Total Depth 2410 PBD 2382

Amount of Surface Pipe Set and Cemented at 460 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 9H 8-22-97
(Data must be collected from the Reserve Pit)

Chloride content 72000 ppm Fluid volume 400 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. Marc Harvey

L. MARC HARVEY

Title DRILLING TECHNICAL ASSISTANT Date 4-7-97

Subscribed and sworn to before me this 7th day of April 19 97.

Notary Public Freda L. Hinz

Date Commission Expires _____

FREDA L. HINZ
Notary Public - State of Kansas
My Appt. Expires 5-15-99

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

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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA WACKER "H" Well # 2H

Sec. 5 Twp. 34 Rge. 41 East West County MORTON

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

| Drill Stem Tests Taken (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: DIL, CNL-LDT, ML, CBL-GR. | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr><td>GLORIETTA</td><td>1036-1180</td><td></td></tr> <tr><td>B/STONE CORRAL</td><td>1437</td><td></td></tr> <tr><td>CHASE</td><td>2106</td><td></td></tr> <tr><td>KRIDER</td><td>2123</td><td></td></tr> <tr><td>WINFIELD</td><td>2182</td><td></td></tr> <tr><td>TOWANDA</td><td>2234</td><td></td></tr> <tr><td>FT. RILEY</td><td>2274</td><td></td></tr> </tbody> </table> | Name | Top | Datum | GLORIETTA | 1036-1180 | | B/STONE CORRAL | 1437 | | CHASE | 2106 | | KRIDER | 2123 | | WINFIELD | 2182 | | TOWANDA | 2234 | | FT. RILEY | 2274 | |
|---|--|-------|-----|-------|-----------|-----------|--|----------------|------|--|-------|------|--|--------|------|--|----------|------|--|---------|------|--|-----------|------|--|
| Name | Top | Datum | | | | | | | | | | | | | | | | | | | | | | | |
| GLORIETTA | 1036-1180 | | | | | | | | | | | | | | | | | | | | | | | | |
| B/STONE CORRAL | 1437 | | | | | | | | | | | | | | | | | | | | | | | | |
| CHASE | 2106 | | | | | | | | | | | | | | | | | | | | | | | | |
| KRIDER | 2123 | | | | | | | | | | | | | | | | | | | | | | | | |
| WINFIELD | 2182 | | | | | | | | | | | | | | | | | | | | | | | | |
| TOWANDA | 2234 | | | | | | | | | | | | | | | | | | | | | | | | |
| FT. RILEY | 2274 | | | | | | | | | | | | | | | | | | | | | | | | |

| 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" | 23.0 | 460 | P+ MIDCON/P+ | 80/100 | 2%CC, 1/4#SK FLC/2%CC, 1/4#SK FLC. |
| PRODUCTION | 7-7/8" | 5-1/2" | 15.5 | 2388 | P+ MIDCON/P+ | 110/130 | 2%CC, 1/4#SK FLC/2%CC, 1/4#SK FLC. |
| | | | | | | | |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | | |
|--|-------|--------|----------------|-------------|----------------------------|
| Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone | Depth | | Type of Cement | #Sacks Used | Type and Percent Additives |
| | Top | Bottom | | | |
| | | | | | |
| | | | | | |

| 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 |
| 2 | 2130-2142' | ACID: 600 GAL 15% HCL. | 2130-2142' |
| | | FRAC: 21000 GAL & 2500# 24/70 SD & 30000# 20/40 SD. | 2130-2142' |
| | | | |

| | | | | |
|---------------|----------------|-----------------|-----------|---|
| TUBING RECORD | Size 2 3/8" | Set At 2165' | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|----------------|-----------------|-----------|---|

| | |
|---|--|
| Date of First, Resumed Production, SWD or Inj. 3-10-97 | 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 191 Mcf | Water 3 Bbls. | 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 Other (Specify) _____

Production Interval: 2130-2142'

15cc

ORIGINAL

ANADARKO PETROLEUM CORPORATION
USA WACKER H-2H
SECTION 5-T34S-R41W
MORTON COUNTY, KANSAS

15-129-21481

COMMENCED: 01-20-97
COMPLETED: 01-22-97

SURFACE CASING: 460' OF 8 5/8" CMTD
W/80 SKS MIDCON 3 + 3% CC + .1/4# SK
FLOCELE TAILED IN W/100 SKS PREMIUM
PLUS + 2% CC + 1/4 #/SK FLOCELE.

| FORMATION | DEPTH |
|--------------|-----------------|
| SURFACE HOLE | 0 - 480 |
| RED BED | 480 - 1035 |
| GLORIETTA | 1035 - 1182 |
| RED BED | 1182 - 2410 RTD |

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

Wray Valentine

WRAY VALENTINE

STATE OF KANSAS : ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25TH DAY OF JANUARY, 1997.

JOLENE K. RUSSELL

Jolene K. Russell
NOTARY PUBLIC



RECEIVED
KANSAS CORP COMM
1997 APR -8 A 10:50



HALLIBURTON

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Midcontinent
Liberal

BILLED ON TICKET NO. 185402

WELL DATA

FIELD _____ SEC. 5 TWP. 34S RANG. 41W COUNTY Morton STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING | N | 15.5 | 5 1/2 | G1 | 2388 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|----------------------------|----------|------|
| FLOAT COLLAR <u>Insert</u> | <u>1</u> | |
| GUIDE SHOE <u>Reg</u> | <u>1</u> | |
| CENTRALIZERS <u>20</u> | | |
| BOTTOM PLUG | | |
| TOP PLUG <u>1</u> | | |
| HEAD | | |
| PACKER | | |
| OTHER | | |

| CALLLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>1-22-97</u> | DATE <u>1-22-97</u> | DATE <u>1-22-97</u> | DATE <u>1-22-97</u> |
| TIME <u>1200</u> | TIME <u>1830</u> | TIME <u>2021</u> | TIME <u>2200</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|--------------------|-----------------|----------------|
| <u>R Crist</u> | <u>420045</u> | <u>Liberal</u> |
| <u>D7653</u> | | |
| <u>J Nicholas</u> | <u>75496</u> | |
| <u>G2098</u> | | |
| <u>L Patterson</u> | <u>4115</u> | <u>Hugoton</u> |
| <u>H 8790</u> | <u>6541</u> | |
| | <u>75237</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. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT 5001
DESCRIPTION OF JOB 035
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X Castillo
HALLIBURTON OPERATOR Ron Crist COPIES REQUESTED _____
RECEIVED
KANSAS CORP
1997 JAN - 8 A 049

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|---------------|-------|-------------|------------------------|------------------|-----------------|
| | <u>110</u> | <u>midcon</u> | | | <u>20% CC 1/4" F10</u> | <u>3.22</u> | <u>11.1</u> |
| | <u>130</u> | <u>midcon</u> | | | <u>20% CC 1/4" F10</u> | <u>2.01</u> | <u>12.9</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 5.96 REASON Shot Joint

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 10 TYPE SuperFlush
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 57.7
CEMENT SLURRY: BBL.-GAL. 67 LC 46 TC
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

circulated 7 BBLs 12SKs to bit

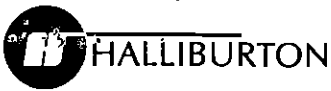
CUSTOMER: HUGOTON PET
LEASE: USH WACKER
WELL NO: A2H
JOB TYPE: 035
DATE: 1-22-97

JOB LOG HAL-2013-C

| CUSTOMER | | WELL NO. | | LEASE | | JOB TYPE | | TICKET NO. | |
|-----------|------|------------|--------------------|------------|---|----------------|--------|--|-----------------------------------|
| Anvedarka | | A 2 H | | USA Wacker | | 035 | | 185402 | |
| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS | |
| | | | | T | C | TUBING | CASING | | |
| | 1200 | | | | | | | | Stopped By Rig Drill |
| | — | | | | | | | | Pipe Being Layed down |
| | 1500 | | | | | | | | Pass Ready 1600 hrs |
| | — | | | | | | | | called Rig Pusher said |
| | 1820 | | | | | | | | Ready 1830 |
| | 1835 | | | | | | | | on loc (Pickup) still logg |
| | 1905 | | | | | | | | Loggers out of Hole |
| | | | | | | | | | Start Running CS9, cannot |
| | | | | | | | | | GET Trucks on location Do To |
| | | | | | | | | | Logging Truck |
| | 2017 | | | | | | | | Logging Truck off Location |
| | 2021 | | | | | | | | Casing Ran Pull Trucks on |
| | — | | | | | | | | Location |
| | 2027 | | | | | | | | CMT Head on & circulating |
| | — | | | | | | | | Rig up Pump truck |
| | 2037 | | | | | | | | Prime up Truck mix Super |
| | | | | | | | | | Flush |
| | 2105 | | | | | | | | Hook iron To Truck |
| | 2110 | | | | | | | | 0-300 Start Water Spacer |
| | 2112 | 4 | 8 | | | | | | 300-350 Start Super Flush |
| | 2114 | 4 | 10 | | | | | | 350-200 Start Water Spacer |
| | 2116 | 4 | 8 | | | | | | 200 Start Lead cmt midcont @ 11.1 |
| | 2126 | 6.4 | 63 | | | | | | 200 Start Tail cmt midcont @ 12.8 |
| | 2131 | 6.4 | 46 | | | | | | Tail cmt Pumped |
| | 2133 | | | | | | | | Shut Down wash Pump & Lines |
| | — | | | | | | | | 0- Drop Plug |
| | 2137 | | | | | | | | 0-200 Start Dispo |
| | 2148 | | 47 | | | | | | 200-500 Slow Rate |
| | 2153 | 7 | 10 | | | | | | 580-1000 Bump Plug FBAT Held |
| | | | | | | | | | Thanks For Calling |
| | | | | | | | | | Halliburton Energy Serv |

ORIGINAL

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 1-22-97 4:10:49



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Cont
Liberal Ks

BILLED ON TICKET NO. 185115

WELL DATA

FIELD _____ SEC. 5 TWP. 34S RING. 41W COUNTY Marion 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 | | 23 | 8 5/8 | K13 | 466 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | 12 1/4 GL | 454 | | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

ORIGINAL

JOB DATA

| TOOLS AND ACCESSORIES | | | |
|-----------------------|------|--------------|------|
| TYPE AND SIZE | QTY. | MAKE | |
| 8 5/8 Tinsitt Float | 1 | Howco | |
| 5 1/2" Plug | 1 | | |
| 1" Plug | 1 | | |
| CENTRALIZERS | 4 | | |
| BOTTOM PLUG | | | |
| TOP PLUG | 1 | | |
| HEAD | 1 | | |
| PACKER | | | |
| OTHER | 1 | Howco weld A | 1 LB |

| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|------------|-------------|-------------|---------------|
| DATE 1-20 | DATE 1-20 | DATE 1-20 | DATE 1-20 |
| TIME 1200 | TIME 1600 | TIME 1810 | TIME 1850 |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-------------|-----------------|---------------------------------|
| D Davis | 59179 | 420041 Liberal Ks |
| T Davis | F 4550 | 522324 " " |
| L Patterson | H 87160 | 4115 / 7503 / 75237 Hergeton Ks |

MATERIALS

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

DEPARTMENT Cement
DESCRIPTION OF JOB 8 5/8 SURFACE
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X Dastillo
HALLIBURTON OPERATOR Dennis Cox COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|-----------|-----------|-------------|-------------|------------------|-----------------|
| | 80 | Mid Cont | Perm Plus | 3% CC | 1/4# Floccs | 3.22 | 11.1 |
| | 100 | Perm Plus | | 2% CC | 1/4# Floccs | 1.52 | 14.8 |

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 _____

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____
CEMENT SLURRY: BBL.-GAL. 69.37
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 41 75 REASON Shoe clean

CUSTOMER Amadesso Petroleum
LEASE USA W/acre
WELL NO. A 24
JOB TYPE 8 5/8 SURFACE
DATE 1-20-97

JOB LOG HAL-2013-C

| CUSTOMER | | WELL NO. | | LEASE | | JOB TYPE | | TICKET NO. | |
|-------------------|----------------------|--------------|--------------------|-------------------|---|----------------------|--------|---|--|
| <u>Amadoro Pk</u> | | <u>A 2-H</u> | | <u>USA Wacker</u> | | <u>8 5/8 SURFACE</u> | | <u>185115</u> | |
| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS | |
| | | | | T | C | TUBING | CASING | | |
| | 1200 | | | | | | | | Time Called Time Reply Time onloc. |
| | 1600 | | | | | | | | |
| | 1605 | | | | | | | | |
| | 1720 | | | | | | | | ORIGINAL |
| | 1810 | | | | | | | Start Pumping Casing Casing in hole | |
| | 1810 | | | | | | | Hook up Circulate Casing | |
| | 1808 | | | | | | | Circulate Casing w/ Ac Pump | |
| | 1820 | | | | | | | Circulate Mud to Circul level | |
| | 1828 | | | | | | | Hook up to Pump Truck | |
| | 1831 | | | | | | | 100 Start Mixing Cement | |
| | 1835 | | 45.27 | | | | | 125 Start Tail Cement | |
| | 1837 | | 23.50 | | | | | 125 Finish Mixing Cement | |
| | 1839 | | 67.37 | | | | | 0 Shut Down | |
| | 1840 | | | | | | | 75 Start Displacement | |
| | 1838 1850 | | | | | | | 200 Plug Down | |
| | | | | | | | | Wash Pumps & Lines Float Head Circulate Cement to the Bit 6 BBL / 10 sec | |
| | | | | | | | | Thanks For Calling Halliburton Energy Dennis Case | |

RECEIVED
 MANASSAS COAL COM
 1997 FEB -8 4 10:50