

FORM MUST BE TYPED

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 ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW 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. _____

7-23-97 8-1-97 9-26-97
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21648 - 0000

County SEWARD

 - C - NE - NW Sec. 34 Twp. 33 Rge. 33 X W

660 Feet from X (circle one) Line of Section

1980 Feet from W (circle one) Line of Section

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

Lease Name HARDEN "A" Well # 3

Field Name EVALYN

Producing Formation CHESTER

Elevation: Ground 2829.5 KB _____

Total Depth 6426 PBDT 5960

Amount of Surface Pipe Set and Cemented at 1581 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 A.H.1. 4-1-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 700 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. _____

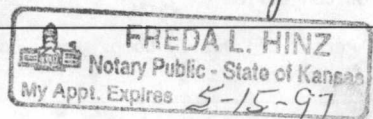
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 10-24-97

Subscribed and sworn to before me this 24th day of October
19 97.

Notary Public Freda L. Hinz
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)

SIDE TWO

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HARDEN "A" Well # 3

Sec. 34 Twp. 33 Rge. 33 East West County SEWARD

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

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: SBT-CCL-GR, DIL, ML, MSFL, CNL-LDT.

Log Formation (Top), Depth and Datums Sample

| Name | Top | Datum |
|----------------|------|-------|
| CHASE | 2604 | |
| COUNCIL GROVE | 2935 | |
| HEEBNER | 4259 | |
| TORONTO | 4292 | |
| LANSING | 4416 | |
| MARMATON | 5084 | |
| CHEROKEE | 5301 | |
| MORROW | 5672 | |
| CHESTER | 5830 | |
| STE. GENEVIEVE | 6222 | |

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 | 12-1/4" | 8-5/8" | 23.0 | 1581 | P+ MIDCON 2/ P+ | 325/100 | 3%CC, %SK FLC/ 2%CC, %SK FLC. |
| PRODUCTION | 7-7/8" | 5-1/2" | 15.5 | 6337 | VERSASET | 50/205 | .6% HALAD 322, 5% KCL, .9% VERSASET, %SK FLC/SAME |

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 Specify Footage of Each Interval Perforated | | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | |
|----------------|---|-------------------------|---|--|
| | 2 | 6222-6234, CIBP @ 6210. | | ACID: 1200 GAL 7 1/2% FeHCL. |
| 2 | 6180-6197, CIBP @ 5960. | | ACID: 1200 GAL 7 1/2% FeHCL. | 6180-6197 |
| 3 | 5839-5842, 5850-5860 | | ACID: 800 GAL 7 1/2% FeHCL. | 5839-5860 (OA) |
| | | | FRAC: 17270 GAL FMD GEL & 58000# 16/30 SD. | 5839-5860 (OA) |
| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Date of First, Resumed Production, SWD or Inj. 10-9-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 0 | 595 | 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 5839-5860 (OA)



ORIGINAL

JOB LOG 4239-5

| | |
|----------------------|-------------|
| TICKET # | TICKET DATE |
| 73LD31 | 7/23/97 |
| BDA / STATE | COUNTY |
| KS | Leeward |
| PSL DEPARTMENT | |
| Cement | |
| CUSTOMER REP / PHONE | |
| API / UWI # | |
| JOB PURPOSE CODE | 010 |

| | |
|----------------|-----------------|
| REGION | NWA/COUNTRY |
| North America | M.T. Cont. |
| MBU ID / EMP # | EMPLOYEE NAME |
| | Tasha Nicholas |
| LOCATION | COMPANY |
| 62098 | Madame Petro |
| TICKET AMOUNT | WELL TYPE |
| | C1 |
| WELL LOCATION | DEPARTMENT |
| | |
| LEASE / WELL # | SEC / TWP / RNG |
| | |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS |
|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| B MCINTYRE | | | | | | | |
| W BARTON | | | | | | | |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|---|-------|------------|-------------------|-------|---|--------------|-----|--|
| | | | | T | C | Tbg | Csg | |
| | 21:00 | | | | | | | Call Out |
| | 22:30 | | | | | | | On Location |
| | 22:45 | | | | | | | Safety Meeting & Rig up |
| 0353 | | | | | | | | Hook up to Rig to Circulate! |
| 0348 | 7.17 | 186.5 | | ✓ | | 175/120 | | Pump CEMENT 325 SKS PREMIUM PLUS MIDCON 3% CC 14# FLOCELE - 11.1#/gal |
| 0414 | 5.815 | 23.5 | | ✓ | | 229/100 | | Pump TAIL CEMENT 100 SKS PREMIUM PLUS 2% CC 14# FLOCELE 14.8#/gal |
| 0418 | | | | | | | | SHUT DOWN - DROP PLUG |
| 0419 | 6.116 | 98.6 | | ✓ | | 59/100 | | Pump DISPLACEMENT - H2O |
| 0435 | | | | | | | | PLUG LANDED - FLOAT HELD |
| * Circulates 25 BBL OF CEMENT TO THE PIT. ✓ | | | | | | | | |

117 OCT 29 P 11:55
 1500 4803305051

THANK YOU FOR CALLING HALLIBURTON
NICHOLAS ROFT.

| | | | |
|----------------------|----------------|------------------|---------------------|
| TICKET # | 234612 | TICKET DATE | 7-3-77 |
| BDA / STATE | KS | COUNTY | SPAWARD |
| PSL DEPARTMENT | CEMENT | | |
| CUSTOMER REP / PHONE | JOHN SHILLINGS | | |
| API / UWI # | | | |
| DEPARTMENT | CEMENT | JOB PURPOSE CODE | 035-5/2 LONG STRING |
| SEC / TWP / RNG | 34-335-336W | | |

| | | | |
|----------------|---------------|-----------------|---------------|
| REGION | North America | NWA/COUNTRY | MID CONTINENT |
| MBU ID / EMP # | 62973 | EMPLOYEE NAME | JOHN WOODROWN |
| LOCATION | LIBERAL KS | COMPANY | AWACARKO PCT |
| TICKET AMOUNT | | WELL TYPE | 02 |
| WELL LOCATION | N. LI BEHAL | DEPARTMENT | CEMENT |
| LEASE / WELL # | HARDYMAN A-1 | SEC / TWP / RNG | 34-335-336W |

ORIGINAL

| HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS |
|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| S GRANT | | | | | | | |
| C ASHLEY | | | | | | | |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|-----|---|
| | | | | T | C | Tbg | Csg | |
| | 1000 | | | | | | | JOB READY |
| | 0730 | | | | | | | CALLED OUT FOR JOB |
| | 0945 | | | | | | | pump truck + BULK GMT ON LOCATION / RIG |
| | 55 | | | | | | | LAYING DOWN DRILL PIPE / SET UP PUMP TRUCK |
| | 1230 | | | | | | | D.P. LAYED DOWN / LAY DOWN R-H + M-H |
| | 1330 | | | | | | | START RUNNING 5/2 CSG + FLOAT EQUIP |
| | 1630 | | | | | | | GASING ON BOTTOM 6337' |
| | 1640 | | | | | | | HOOK UP 5/2 P/C + CIRCULATING IRON |
| | 1645 | | | | | | | START CIRCULATING WITH RIG PUMP |
| | | | | | | | | PLUG R-H + M-H WITH 25 SKS |
| | | | | | | | | THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK |
| | | | | | | | | JOB PROCEDURE |
| | 1710 | 5.5 | 8.0 | | | 92.50 | | pump 8 BBLS FRESH WATER |
| | 1711 | 5.5 | 10.0 | | | 200/80 | | pump 10 BBLS SUPER FLUSH |
| | 1713 | 5.5 | 8.0 | | | 150 | | pump 8 BBL FRESH WATER |
| | 1714 | 6.0 | 23.0 | | | | | MIX 50 SKS SCAVENGER GMT AT 11.8 ^{LB} /GAL |
| | | | 52 | | | | | MIX 205 SKS TAIL END GMT AT 14.5 ^{LB} /GAL |
| | 1730 | | | | | | | THROUGH MIXING GMT / SHUT DOWN |
| | | | | | | | | WASH OUT PUMP + LINES / RELEASE PLUG |
| | | | | | | | | START DISPLACING |
| | | | | | | 650 | | HAVE 110 BBLS OUT / GETTING LIFT ON GMT |
| | | | | | | 650/1500 | | MAX LIFT PRESSURE BEFORE LANDING PLUG |
| | 1800 | | 1520 | | | | | PLUG DOWN / RELEASE FLOAT |
| | | | | | | | | FLOAT HELD |

THANK YOU!

FOR CALLING HALLIBURTON

WOODY + SAM

RECEIVED
 06/19 09:55
 1000 0000