

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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. KAPPLF

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING

License: 3779

Wellsite Geologist: _____

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 PBTD

Comingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

11-17-97 11-20-97 1-6-98

Spud Date 11-17-97 Date Reached TD 11-20-97 Completion Date 1-6-98

API NO. 15- 189-22263 - 0000

County STEVENS

NW - NW - NE - SE Sec. 29 Twp. 32 Rge. 36 X W

2540 Feet from X (circle one) Line of Section

1250 Feet from X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, SE NW or SW (circle one)

Lease Name LONG "B" Well # 2

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 3087.9 KB _____

Total Depth 3030 PBTD 2916

Amount of Surface Pipe Set and Cemented at 580 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 AK-1, 5-15-98 U.C.

(Data must be collected from the Reserve Pit)

Chloride content 7800 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 2-23-98

Subscribed and sworn to before me this 23rd day of February

19 98.

Notary Public Freda L. Henry

Date Commission Expires _____

FREDA L. HENRY
Notary Public - State of Kansas
My Appl. Expires 5-15-99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
 KCC (KANSAS CORPORATION COMMISSION) (KANSAS) (KANSAS)
 KGS (KANSAS GAS SERVICE) (KANSAS) (KANSAS)
Plug Other
Form 25 1998 (Specify)

CONCERNED WITH DIVISION
Form ACO-1 (7-91)
Wichita, Kansas

2-25-98

SIDE TWO

1419187

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name LONG "B" Well # 2

Sec. 29 Twp. 32 Rge. 36 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: CBL-CCL-GR, DIL, CNL-LDT.

Log Formation (Top), Depth and Datums Sample

| Name | Top | Datum |
|----------------|-----------|-------|
| GLORIETTA | 1260-1430 | |
| B/STONE CORRAL | 1780 | |
| HERRINGTON | 2598 | |
| KRIDER | 2624 | |
| WINFIELD | 2708 | |
| TOWANDA | 2758 | |
| FT. RILEY | 2818 | |

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 | 580 | P+ MIDCON 2/ P+ | 70/100 | 3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC. |
| PRODUCTION | 7/7/8" | 5-1/2" | 15.5 | 3030 | P+ MIDCON 2/ P+ MIDCON 2. | 180/120 | 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 Specify Footage of Each Interval Perforated | | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | |
|----------------|---|---|---|---|
| | 1/1.5' | 2599-2608, 2626-2638, 2660-2679.5, 2718-2739. | ACID: 750 GAL 7 1/2% FeHCL. | 2818-2843.5 |
| | 2759-2766.5, 2788-2804.5, 2818-2843.5. | ACID: 3000 GAL 7 1/2% FeHCL. | 2599-2843.5 (OA) | |
| | | FRAC: 96000 GAL FMD GEL & 347200# 12/20 | 2599-2843.5 (OA) | |
| | | SD. | | |
| 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. 1-20-98 | | 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 Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
| | | 417 | 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: 2599-2843.5 (OA)

| | | | |
|------------------------------------|--------------------------------------|----------------------------------|---------------------------|
| REGION North America | NWA/COUNTRY mid-con | BDA / STATE mid-con KA | COUNTRY Stevens |
| MBU ID / EMP # 76653 | EMPLOYEE NAME Dennis Sims | PSL DEPARTMENT Cement | |
| LOCATION Liberal KA | COMPANY Arddarko Pct. | CUSTOMER REP / PHONE | |
| TICKET AMOUNT | WELL TYPE 01 | API / UWI # | |
| WELL LOCATION Hugoton KA | DEPARTMENT 5001 | JOB PURPOSE CODE 010 | |
| LEASE / WELL # Long B-2 | SEC / TWP / RNG 20/32S/26W | | |

| | | | |
|--|--|--|--|
| 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 |
| Sims 76653 | | | |
| McDonald H9285 | | | |
| Ashley 77031 | | | |

ORIGINAL

| HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES |
|--------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| 420505 | 70 | | | | | | |
| 52947-75496 | | | | | | | |
| 51984 77031 | | | | | | | |

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

| DATE | TIME | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--------------|--------------|------------|-----------------|--------------|---------------|
| 11-17 | 20:00 | | 11-18-97 | 03:15 | 03:34 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY | MAKE |
|----------------------------|----------|--------------|
| Float Collar Insert | 1 | Howes |
| Float Shoe | | |
| Guide Shoe | 1 | |
| Centralizers | 4 | |
| Bottom Plug | | |
| Top Plug | 1 | |
| Head | | |
| Packer BASKET | 1 | |
| Other weld-A | 1 | |

WELL DATA

| | NEW/USED | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|--------------|----------|-----------|--------------|----------|------------|-----------|
| Casing | N | 23 | 8 7/8 | 0 | 560 | |
| Liner | | | | | | |
| Liner | | | | | | |
| Tbg/D.P. | | | | | | |
| Tbg/D.P. | | | | | | |
| Open Hole | | | | | | SHOTS/FT. |
| Perforations | | | | | | |
| Perforations | | | | | | |
| Perforations | | | | | | |

MATERIALS

| | | |
|----------------|---------|--------|
| Treat Fluid | Density | Lb/Gal |
| Disp. Fluid | Density | Lb/Gal |
| Prop. Type | Size | Lb. |
| Prop. Type | Size | Lb. |
| Acid Type | Gal. | % |
| Acid Type | Gal. | % |
| Surfactant | Gal. | In |
| NE Agent | Gal. | In |
| Fluid Loss | Gal/Lb | In |
| Gelling Agent | Gal/Lb | In |
| Fric. Red. | Gal/Lb | In |
| Breaker | Gal/Lb | In |
| Blocking Agent | Gal/Lb | |
| Perfpac Balls | Qty. | |
| Other | | |
| Other | | |
| Other | | |
| Other | | |

| HOURS ON LOCATION | | OPERATING HOURS | | DESCRIPTION OF JOB |
|-------------------|--------------|-----------------|--------------|--------------------|
| DATE | HOURS | DATE | HOURS | |
| 11-17 | 2 1/2 | 11-18 | 1 1/2 | 010 |
| 11-18 | 4 | | | |
| TOTAL | 6 1/2 | TOTAL | 1 1/2 | |

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET _____ Reason _____

CEMENT DATA

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/GAL |
|----------|------------|----------------|----------|-------------------------------|-------------|-------------|
| 1 | 70 | mid-con | | 3% C.C. VAMP 1200 | 2.91 | 11.1 |
| 2 | 100 | Priment | | 2% C.C. Yellow floccul | 1.45 | 14.8 |

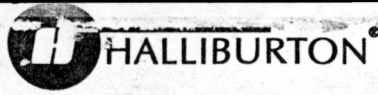
RECEIVED

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal **37.3**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI _____
 Total Volume Gal - BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____



JOB LOG 4239-5

| | |
|---------------------------|-------------------------|
| TICKET # 231817 | TICKET DATE 11-18-97 |
| BDA / STATE mcl-con KA | COUNTY Stevens |
| PSL DEPARTMENT Cement | |
| CUSTOMER REP / PHONE | |
| API / UWI # | |
| JOB PURPOSE CODE 010 | |

| | |
|-----------------------------|-------------------------------|
| REGION North America | NWA/COUNTRY mcl-con |
| MBU ID / EMP # 71653 | EMPLOYEE NAME Dennis Sims |
| LOCATION Liberal KA | COMPANY Anadarko Pt. |
| TICKET AMOUNT | WELL TYPE 01 |
| WELL LOCATION Hugoton KA | DEPARTMENT 5001 |
| LEASE / WELL Zone 2 | SEC / TWP / RNG 20/22S/06W |

| | | | |
|--|--|--|--|
| HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS Sims 71653 | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS |
|--|--|--|--|

ORIGINAL

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|------------|----------|------------|-------------------|-------|---|--------------|-----|---------------------------|
| | | | | T | C | Tbg | Csg | |
| 420985 | 11-19-97 | | | | | | | on loc. |
| 2942-25410 | | | | | | | | start Man Ahead |
| 0814 | 5 | | | | | 170 | | mix head cont |
| 0816 | 5 | | 36 | | | | | mix tail cont |
| 0820 | 5 | | 25 | | | | | Drop plug + start Disp |
| 0835 | | | | | | 250 | | Land plug |
| | | | | | | 350 | | shot down |
| | | | | | | | | float holding |

THANKS

RECEIVED
STATE CORPORATION COMMISSION

FEB 25 1998

CONSERVATION DIVISION
Wichita, Kansas

Handwritten signature



JOB LOG 4299-5

| | | | |
|----------------------|--------|-------------|----------|
| TICKET # | 232089 | TICKET DATE | 11-21-97 |
| BDA / STATE | KS | COUNTY | Stevens |
| PSL DEPARTMENT | Cement | | |
| CUSTOMER REP / PHONE | | | |
| API / UWI # | | | |
| JOB PURPOSE CODE | 035 | | |

| | | | |
|----------------|---------------|---------------|-------------------------|
| REGION | North America | NW/COUNTRY | Mid Continent |
| MBU ID / EMP # | G.3601 | EMPLOYEE NAME | D. McNamee |
| LOCATION | Lebanon | COMPANY | Anadarko Petroleum Corp |
| TICKET AMOUNT | | WELL TYPE | |
| WELL LOCATION | Lebanon B-2 | DEPARTMENT | 02 Cement |
| LEASE / WELL # | | SECT/TWP/RNG | 29 32 36 |

| | | | |
|--|--|--|--|
| 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. Tomlinson T1837 | | | |
| J. D. Tipton H7616 | | | |
| S. Grant H4639 | | | |

ORIGINAL

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psl) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|----------|---------------------------------|
| | | | | T | C | Tbg | Csg | |
| | 2200 | | | | | | | Job Ready |
| | 1820 | | | | | | | Called for Job |
| | 2030 | | | | | | | on location Rig Keying Down D.P |
| | 2200 | | | | | | | Set up pump truck |
| | 2310 | | | | | | | D.P out of hole |
| | 2327 | | | | | | | Csg Crew Rigger up |
| | 2359 | | | | | | | start Csg & Lead Equip |
| | 0004 | | | | | | | Csg on Bottom |
| | 0007 | | | | | | | Hook up PIC & Circulating Iron |
| | 0021 | | 5 | | ✓ | | | Start Circulating |
| | 0030 | | | | | | | Plug Rat & mouse Hole |
| | 0032 | | | | | | | through Circulating |
| | | | | | | | | Hook up to Halliburton |
| | | | | | | | | Job Procedure site Long String |
| | 0035 | 6 | 8 | | ✓ | | 9/200 | Start Fresh water |
| | 0036 | 6 | 10 | | ✓ | | 200 | Start Super Flush |
| | 0038 | 6 | 8 | | ✓ | | 200 | Start Fresh water |
| | 0040 | 6 | 103 | | ✓ | | 200/100 | Start Lead Cement @ 11.1#/gal |
| | 0059 | 6 | 465 | | ✓ | | 100 | Start Tail Cement @ 12.8#/gal |
| | 0105 | | | | | | | through mixing Cement |
| | 0107 | | | | | | | Shut Down & Release Plug |
| | 0109 | | | | | | | Wash up pumps & Lines |
| | 0112 | 6 | 765 | | ✓ | | 9/100 | Start Displacement |
| | 0119 | | | | ✓ | | 100/300 | Caught Cement 44 Bbls out. ✓ |
| | 0124 | | | | ✓ | | | slow Down Rate |
| | 0130 | | | | ✓ | | 500/1500 | Plug landed |
| | | | | | | | | Release Plug + |
| | | | | | | | | Start hold |

Thank You For Calling Halliburton

Danny & Bryan & Crew

RECEIVED
STATE OF

FEB 25 1998

PLANNING DEPARTMENT