

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

Operator: License # 4549Name: ANADARKO PETROLEUM CORPORATIONAddress 701 S. TAYLOR, SUITE 400City/State/Zip AMARILLO, TEXAS 79109Purchaser: ANADARKO ENERGY SERVICESOperator Contact Person: CRAIG WALTERSPhone (806) 457-4600Contractor: Name: NORSEMAN DRILLINGLicense: 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: JUL 10 2002

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

2-11-2001 2-20-2001 3-24-2001
 Spud Date Date Reached TD Completion Date

CONFIDENTIAL

APR 18 2001

RELEASED**FROM CONFIDENTIAL**API NO. 15- 189-22364County STEVENS- E/2 - NE - NE Sec. 3 Twp. 33S Rge. 39 X W660 Feet from NX (circle one) Line of Section330 Feet from EX (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
(NE) SE, NW or SW (circle one)Lease Name H.V. CORNELL UNIVERSITY "A" Well # 1Field Name SOUTH CIMARRON RIVERProducing Formation MORROWElevation: Ground 3224.7 KB _____Total Depth 6200 PBDT 6122Amount of Surface Pipe Set and Cemented at 1701 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 3304 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 5/19/01 KB
(Data must be collected from the Reserve Pit)Chloride content 1500 ppm Fluid volume 700 bblsDewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: _____

Operator Name KCCLease Name APR 11 2001 License No. _____

Quarter _____ S Rng. _____ E/W

County _____ Docket No. _____

CONFIDENTIAL

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
 Title ENGINEERING TECHNICIAN III Date 4-11-01

Subscribed and sworn to before me this 16 day of April
20 01.

Notary Public Bonnie Sue Browning

Date Commission Expires _____



Bonnie Sue Browning
 Notary Public, State of Texas
 My Commission Expires
 11/11/03

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

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

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION

Lease Name HJV CORNELL UNIVERSITY "A" Well # 1

Sec. 3 Twp. 33S Rge. 39

☐ East

County STEVENS

☒ 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.)

List All E.Logs Run: CBL-CCL-GR, DIL, CNL-LDT, ML, SONIC.

☒ Log Formation (Top), Depth and Datums ☐ Sample

| Name | Top | Datum |
|----------------|------|-------|
| CHASE | 2432 | |
| COUNCIL GROVE | 2763 | |
| B/HHEEBNER | 3996 | |
| MARMATON | 4808 | |
| MORROW | 5556 | |
| STE. GENEVIEVE | 6162 | |

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" | 24.0 | 1701 | P+ MIDCON/ P+ | 385/100 | 3%CC, .1%FWCA, 1/8#/SK PF/2%CC, 1/8#/SK PF. |
| PRODUCTION | 7-7/8" | 5-1/2" | 15.5 | 6121 | 50/50 POZ/ 50/50 POZ. | 25/260 | .75%H322, 10% SALT, 1/8#/SK PF/SAME. |
| | | | PORT COLLAR @ | 3304 | P+ MIDCON/ 50/50 POZ. | 25/160 | 2%CC, 1/8#/SK PF/ .75%H322, 10% SALT, 1/8#/SK PF. |

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 |
|---|--|---|----------------|
| 6 | 5937-44, 5838-44. | ACID: 1500 GAL 7% HCL. | 5838-5944 (OA) |
| | | FRAC: 38800 GAL GEL & 75000# 16/30 SD. | 5838-5944 (OA) |
| 6 | 5578-84. | NONE. | |
| | | | |
| TUBING RECORD | Size 2-7/8" Set At 5578 Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Date of First, Resumed Production, SWD or Inj. 3812/2001 | 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 16 Bbls. Gas 1700 Mcf Water 63 Bbls. | Gas-Oil Ratio | Gravity |

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

5578-5944 (OA)