

COPY

13-29s-34w

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 P.O. BOX 351City/State/Zip LIBERAL, KANSAS 67905-0351Purchaser: NOT APPLICABLEOperator Contact Person: J. L. ASHTONPhone (316) 624-6253Contractor: Name: NALicense: NAWellsite Geologist: NA

Designate Type of Completion

 New Well Re-Entry X Workover Oil X SWD SIOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATIONWell Name: HUNGATE "A" NO. 4Comp. Date 4/16/85 Old Total Depth 5500' X CEMENT SQUEEZE Deepening X Re-perf. X Conv. to Inj SWD X Plug Back 4340' PBDT Commingled Docket No. Dual Completion Docket No. X Other (SWD or Inj?) Docket No. D-27,123

12/20/95 NA 01/02/96
Date of START Date Reached TD Completion Date OF
OF WORKOVER WORKOVER

API NO. 15- 081-20,360-0002County HASKELLE/2 - W/2 - NW - NE Sec. 13 Twp. 29S Rge. 34660 Feet from (N) (circle one) Line of Section2130 Feet from (E) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(NE) SE, NW or SW (circle one)Lease Name HUNGATE "A" Well # 4Field Name KOENIG

DISPOSAL

~~Producing~~ Formation NONE LANSING "E"Elevation: Ground 2952.6 KB --Total Depth 4908' (RE-ENTRY 9/94) PBDT 4360'Amount of Surface Pipe Set and Cemented at 1868 FeetMultiple Stage Cementing Collar Used? X Yes NoIf yes, show depth set 3039 FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan REWORK 8/94 84-1-96

(Data must be collected from the Reserve Pit)

NOT APPLICABLE

Chloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal offsiteOperator Name JAM 1 1 1996Lease Name CONSERVATION DIVISION Quarter Sec. Twp. 29S Rng. 34E WCounty 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 John M. DolanTitle SENIOR TECHNICAL ASSISTANT Date 1/9/96Subscribed and sworn to before me this 9th day of January 19 96.Notary Public Freda L. HinzCommission Expires

FREDA L. HINZ
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

Distribution

 X KCC SWD/Rep NGPA
 X KGS Plug Other (Specify) IS

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name HUNGATE "A" Well # 4
 Sec. 13 Twp. 29S Rge. 34 ☐ East ☒ West
 County HASKELL

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:

☒ Log Formation (Top), Depth and Datums ☐ Sample
 Name Top Datum
 B. STONE CORRAL 1862
 WELLINGTON 2200
 CHASE GROUP 2540
 WINFIELD 2634
 COUNCIL GROVE 2864
 ADMIRE 3036
 WABAUNSEE 3254
 TOPEKA 3604
 HEEBNER 4012
 LANSING 4106
 KANSAS CITY 4538
 MARMATON 4687
 CHEROKEE 4878

CASING RECORD

☐ New ☐ Used

** ORIGINAL COMPLETION

* PREVIOUS WORKOVER -(RE-ENTRY 9/94)

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 | 1868' | INFO NOT AVAIL | INFO N.A. | INFO NOT AVAIL. |
| * PRODUCTION | 7-7/8 " | 5-1/2" | 15.5 | 4859' | POZMIX/H | 90/120 | 6%GEL, 75%FR/10% EA-2, 10% SALT, .75% HAL, 1/4#/SX FLOCELE |
| | | * FO TOOL @ | | 3039' | POZMIX | 95 | |

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 checked="" type="checkbox"/> Plug Off Zone | 4154 4162 | CLASS "H" PREM. | 50 | .4% HALAD-322 (LANSING B SQUEEZED SHUT) |

| 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 |
|----------------|---|---|-------------|
| | DUMP 2 SX CMT ON TOP OF CIBP @ 4360 | | |
| | PERFORM CMT SQUEEZE (LANSING B) | PMP 50 SX CLASS H CMT TO 1150 PSI | 4154 - 4162 |
| 4 | PERF 4270-4316 (LANSING E) | ACIDIZE W/5500 GAL 15% FEHCL | 4270 - 4316 |

| TUBING RECORD | Size 2-3/8" | Set At 4232' | Packer At 4232' | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|--|---|-----------------|--------------------|---|
| Date of First, Resumed Production, SWD or Inj. UPON KCC APPROVAL (MIT PERFORMED ON 1/9/96) | Producing Method <input 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 -- |

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
 (SWD Interval)
4270-4316