

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5208
Name Mobil Oil Corporation
Address P.O. Box 5444
City/State/Zip Denver, CO 80217

Purchaser Northern Natural

Operator Contact Person J. E. Dawson
Phone (303) 298-2696

Contractor: License # 9137
Name Unit Drilling & Exploration

Wellsite Geologist V. Andresen
Phone (303) 298-2294

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable

5/25/86 6/5/86 7/8/86
 Spud Date Date Reached TD Completion Date

6548 6506
 Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1805 feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 3200 feet
 If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt

API NO. 15-189-20919-00-00
 County Stevens
 W/2 NW SW Sec. 17 Twp. 32S Rge. 35 East West

1980 Ft North from Southeast Corner of Section
 4950 Ft West from Southeast Corner of Section
 (Note: Locate well in section plat below)

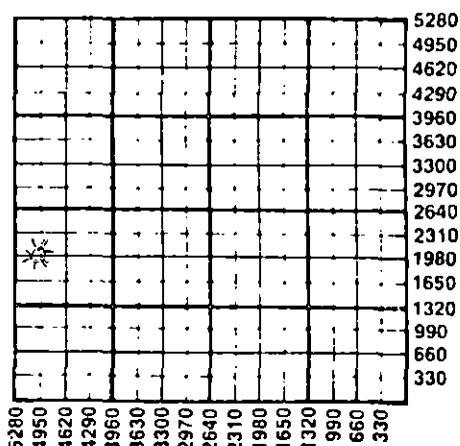
Lease Name *Keating #1-D Unit Well # 2

Field Name Wildcat PANAMA

Producing Formation L. Morrow

Elevation: Ground 3021 KB. 3037

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
 Docket # CD 82408

Questions on this portion of the ACO-1 call:
 Water Resources Board (913) 296-3717

Source of Water:
 Division of Water Resources Permit # T86-228

Groundwater 2015 Ft North from Southeast Corner
 (Well) 5115 Ft West from Southeast Corner of
 Sec 17 Twp 32S Rge 35 East West

Surface Water.....Ft North from Southeast Corner
 (Stream, pond etc).....Ft West from Southeast Corner
 Sec Twp Rge East West

Other (explain).....
 (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 J. E. Dawson

Title Producing Accounting Supervisor Date 9.23.86

Subscribed and sworn to before me this 23rd day of September 1986
 Notary Public Deborah Cavette

My Commission Expires 7/2/90

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Sec 17 Twp 32S Rge 35W

Operator Name Mobil Oil Corporation Lease Name Keating #1-D Unit Well # 2

Sec. 17 Twp. 32S Rge. 35 East West County Stevens

WELL LOG

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 [X] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description
[X] Log [] Sample

Frac Data Report:

12,000 gals 70 Q Foam Pad
6,000 gals 70 Q Foam w/1 ppg 20/40
6,000 gals 70 Q Foam w/2 ppg 20/40
6,000 gals 70 Q Foam w/3 ppg 20/40
630 gals 65 Q Foam w/4 ppg 20/40
1,512 gals 65 Q Foam Flush

Table with 3 columns: Name, Top, Bottom. Lists formations like Wellington, Chase, Winfield, Council Grove, etc.

RELEASED

OCT 20 1997

FROM CONFIDENTIAL Report all strings set-conductor, surface, intermediate, production, etc. Includes tables for Purpose of String, PERFORATION RECORD, TUBING RECORD, and Estimated Production.

METHOD OF COMPLETION

Production interval

Disposition of gas: [] Vented [X] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) ... 5921-6007 O.A.

*345 sxs 50/50 POZ