

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 # 9482
Name National Petroleum Reserves, Inc.
Address 260 N. Rock Road, Suite 215
City/State/Zip Wichita, Kansas 67206

Purchaser.....

Operator Contact Person Ted C. Bredehoft
Phone 316-681-3515

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Dan DeBoer
Phone (316) 684-6182

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
7/18/87 7/27/87 7/28/87
Spud Date Date Reached TD Completion Date
4,620'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 254.15 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt

API NO. 15-101-21,398-0000

County Lane

SW/4 SW/4 NE/4 Sec. 36 Twp. 16S Rge. 29W East West

2970 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

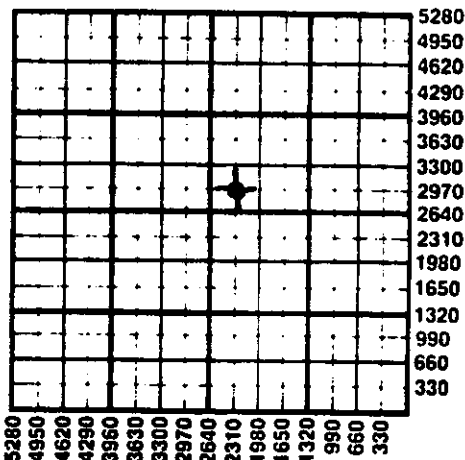
Lease Name Fuller/Stroup Well # 1

Field Name Terwilliger East

Producing Formation.....

Elevation: Ground 2789 KB 2794

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit #.....

Groundwater 2550 Ft North from Southeast Corner
(Well) 2300 Ft West from Southeast Corner of
Sec 36 Twp 16S Rge 29 East West
Joe Bob James, Shields, Ks. 67874

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 [Signature]
Title President/Treasurer Date 8/11-87

Subscribed and sworn to before me this 12th day of August 1987

Notary Public Susan E. Bredehoft

Date Commission Expires 5/13/89

SUSAN E. BREDEHOFT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5-13-89

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
08-13-87
(Specify)

Sec 36, Twp 16S, Rge 29W

Operator Name National Petroleum Reserves, Inc. Lease Name Fuller/Stroup Well # 1

Sec. 36 Twp. 16S Rge. 29W East West County Lane

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

H-Lansing/Kansas City (4171-4190)
Limestone, light gray-cream, moderately indurated, microcrystalline, non-slightly argillaceous, slightly chalky, poor intercrystalline porosity, rare pinpoint porosity, fracture porosity.
I-Lansing/Kansas City (4200-4218)
Limestone, cream-tan, moderately indurated, microcrystalline, non-argillaceous, occasional fossils, poor intercrystalline porosity. Rare pinpoint porosity.
J-Lansing/Kansas City (4228-4240)
Limestone, light gray-tan, moderately indurated, microcrystalline, occasionally medium crystalline, non-argillaceous, occasional ooids, good oomoldic porosity.
K-Lansing/Kansas City (4256-4280)
Limestone, cream-white-tan, moderately indurated, microcrystalline, occasional sucrosic texture, slightly dolomitic, occasional ooids-fossils, poor-fair intercrystalline porosity, occasional oomoldic porosity, trace pinpoint and vuggy porosity.

Table with 3 columns: Name, Top, Bottom. Lists geological formations such as Anhydrite, Base, StoneCorral, Heebner, Toronto, Lansing, Stark, Base, Kansas City, Lenapah, Marmaton, Altamont, Pawnee, Ft. Scott, Cherokee Lime, Cherokee Shale, Johnson Zone, and Mississippian with their respective top and bottom depths.

(see attached-cont) CASING RECORD [X] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Row 1: Surface, 12 1/4", 8 5/8", 20#, 261', 60/40 Poz, 165, 3%CC, 2% Gel.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Columns include Shots Per Foot, Specify Footage of Each Interval Perforated, Amount and Kind of Material Used, and Depth.

TUBING RECORD Size Set At Packer at Liner Run [] Yes [] No

Date of First Production Producing Method [] Flowing [] Pumping [] Gas Lift [] Other (explain).....

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Row 1: Estimated Production Per 24 Hours, Bbls, MCF, Bbls, CFPB.

METHOD OF COMPLETION Production Interval

Disposition of gas: [] Vented [] Open Hole [] Perforation
[] Sold [] Other (Specify)
[] Used on Lease
[] Dually Completed
[] Commingled

SIDE TWO (cont)

L-Lansing/Kansas City (4284-4300)

Limestone, light gray-cream, moderately indurated, microcrystalline, non-argillaceous, occasional fossils, poor intercrystalline porosity, rare vuggy-pinpoint porosity.

Lenapah (4348-4356)

Limestone, cream-light gray, moderately to well indurated, microcrystalline, non-slightly argillaceous, occasionally chalky, poor intercrystalline porosity, occasionally pinpoint-vuggy porosity.

Cherokee Johnson Zone (4562=4576)

Limestone, tan-cream, moderately to well indurated, microcrystalline, non-argillaceous, poor intercrystalline porosity, with sandstone, gray-white, friable, moderately sorted, fine grained, subrounded to well rounded, calcareous, poor intergranular porosity.

Mississippian (4496-4620)

Limestone, cream-white, moderately indurated, microcrystalline, occasionally sucrosic, occasionally dolomitic, non-argillaceous, and cherty. Poor to fair intercrystalline porosity.