

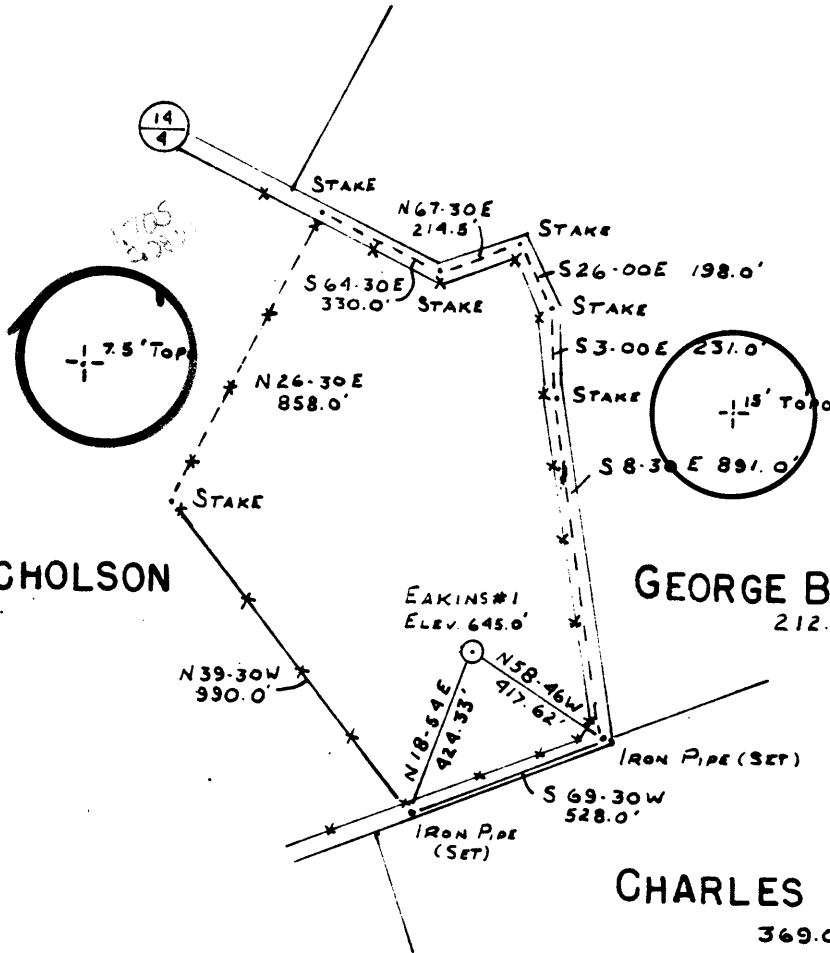
LATITUDE 39° 12' 30" (7.5)  
39° 15' (15.0')

# E. KENNETH EAKINS 25 ACRES WELL #1

LONGITUDE 81° 25' (15.0')  
81° 25' (7.5')

9000.0'

NORTH



4.58  
4.645  
2.122  
2.008

DOLLY NICHOLSON  
60.0 AC.

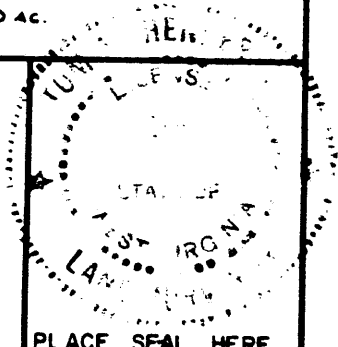
GEORGE B. NEAL HRS.  
212.0 AC.

CHARLES LEAVITT  
369.0 AC.

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION NEAL #1 WELL PERMIT # 1170 ELEV. 636.0'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Jim M. [Signature]  
 R. P. E. \_\_\_\_\_ L. L. S. 113



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



Department of Mines  
Oil & Gas Division

DATE OCTOBER 1, 1981  
 OPERATOR'S WELL NO. 1  
 API WELL NO. SERIAL #4  
47 - 107 - 1177  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)  
 LOCATION: ELEVATION 645.0' WATER SHED LITTLE KANAWHA RIVER  
 DISTRICT SLATE 5 413 COUNTY WOOD  
 QUADRANGLE (7.5') KANAWHA (15.0') ELIZABETH NW 038 1  
 SURFACE OWNER E. KENNETH EAKINS ACREAGE 25.0 ±  
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 25.0 ±  
 LEASE NO. 305

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA ESTIMATED DEPTH 2200'  
 WELL OPERATOR PRENCO DESIGNATED AGENT PRENCO  
 ADDRESS P.O. Box 91 MINERALWELLS W.V. 26150 ADDRESS P.O. Box 91 MINERALWELLS W.V. 26150

OCT 22 1981



Date 3/23/83  
 Operator's Well No. P-4  
 Farm E. Kenneth Eakins  
 API No. 47 - 107 - 1177

**RECEIVED**  
**FEB 03 1987**

State of West Virginia  
 Department of Mines  
 Oil and Gas Division

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT  
 OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil    / Gas    / Liquid Injection    / Waste Disposal    /  
 (If "Gas," Production    / Underground Storage    / Deep    / Shallow K /)

LOCATION: Elevation: 645' Watershed Little Kanawha River  
 District: Slate County Wood Quadrangle Kanawha 7 1/2'

COMPANY PRENCO  
 ADDRESS Box 91, Mineralwells WV  
 DESIGNATED AGENT Denzil L. Prather  
 ADDRESS Same  
 SURFACE OWNER E. Kenneth Eakins  
 ADDRESS Rt. 1, Box 198aa, Mineralwells WV  
 MINERAL RIGHTS OWNER Same  
 ADDRESS     
 OIL AND GAS INSPECTOR FOR THIS WORK     
Deo Mace ADDRESS Sand Ridge, WV  
 PERMIT ISSUED Oct. 2, 1981  
 DRILLING COMMENCED Oct. 10, 1981  
 DRILLING COMPLETED Oct. 14, 1981  
 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON   

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"		66'	to surf.
9 5/8			
8 5/8		281'	to surf.
7			
5 1/2			
4 1/2		2150'	to 1050'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2200 feet  
 Depth of completed well 2147 feet Rotary X / Cable Tools     
 Water strata depth: Fresh    feet; Salt    feet  
 Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
 Producing formation    Pay zone depth    feet  
 Gas: Initial open flow Show Mcf/d Oil: Initial open flow Show Bbl/d  
 Final open flow (25) Mcf/d Final open flow (Show) Bbl/d  
 Time of open flow between initial and final tests    hours  
 Static rock pressure 300 psig (surface measurement) after 24 hours shut in  
 (If applicable due to multiple completion--)  
 Second producing formation    Pay zone depth    feet  
 Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d  
 Final open flow    Mcf/d Oil: Final open flow    Bbl/d  
 Time of open flow between initial and final tests    hours  
 Static rock pressure    psig (surface measurement) after    hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

11-16-81: Perforated <sup>Berea</sup> 2095-2105 with 30 holes.  
11-17-81: Fractured with 600 bbl water 20,000# sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
soil and sand			0	70	
shale			70	314	
sandstone			314	344	
siltstone			344	400	
sandstone			400	470	
shale, sand stringers			470	950	
sandstone			950	1110	
sand, shale, siltstone			1110	1420	
sandstone			1420	1590	
limestone			1590	1670	
sandstone			1670	1704	
shale, siltstone			1704	2098	
sandy siltstone <sup>Berea</sup>			2098	2100	
siltstone			2100	2196	TD

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FEB 03 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

PRENCO

Well Operator

By: Lewis W. Batten

Date: 3/23/83

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 2 - 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Surface Owner E. Kenneth Eakins  
Address Rt. 1, Box 198 AA, Mineral Wells, WV  
Mineral Owner Same as above  
Address \_\_\_\_\_  
Coal Owner None  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

DATE October 1, 1981  
Company PRENCO  
Address P.O. Box 91, Mineral Wells, WV 2615  
Farm E. Kenneth Eakins Acres 25  
Location (waters) \_\_\_\_\_  
Well No. 1 - Ser. #4 Elevation 645.0'  
District Slate County Wood  
Quadrangle Kanawha 7-1/2"

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved  
for drilling. This permit shall expire if  
operations have not commenced by June 6, 1982

INSPECTOR Deo Mace  
TO BE NOTIFIED K. Paul Goodnight  
Rt. 1, Box 65, Sand Ridge, WV  
ADDRESS Smithville, WV 26178  
PHONE 477-3660- 927-1090

[Signature]  
Deputy Director - Oil & Gas Division  
GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Sept. 22, 1981 by E. Kenneth & Mary A. Eakins made to PRENCO and recorded on the 29th day of Sept. 1981 in Wood County, Book 761 Page 709

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours, PRENCO  
(Sign Name) [Signature] Well Operator  
P. O. Box 91  
Street  
Mineral Wells,  
City or Town  
West Virginia  
State

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-107-1177 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by [Signature]

[Signature]

