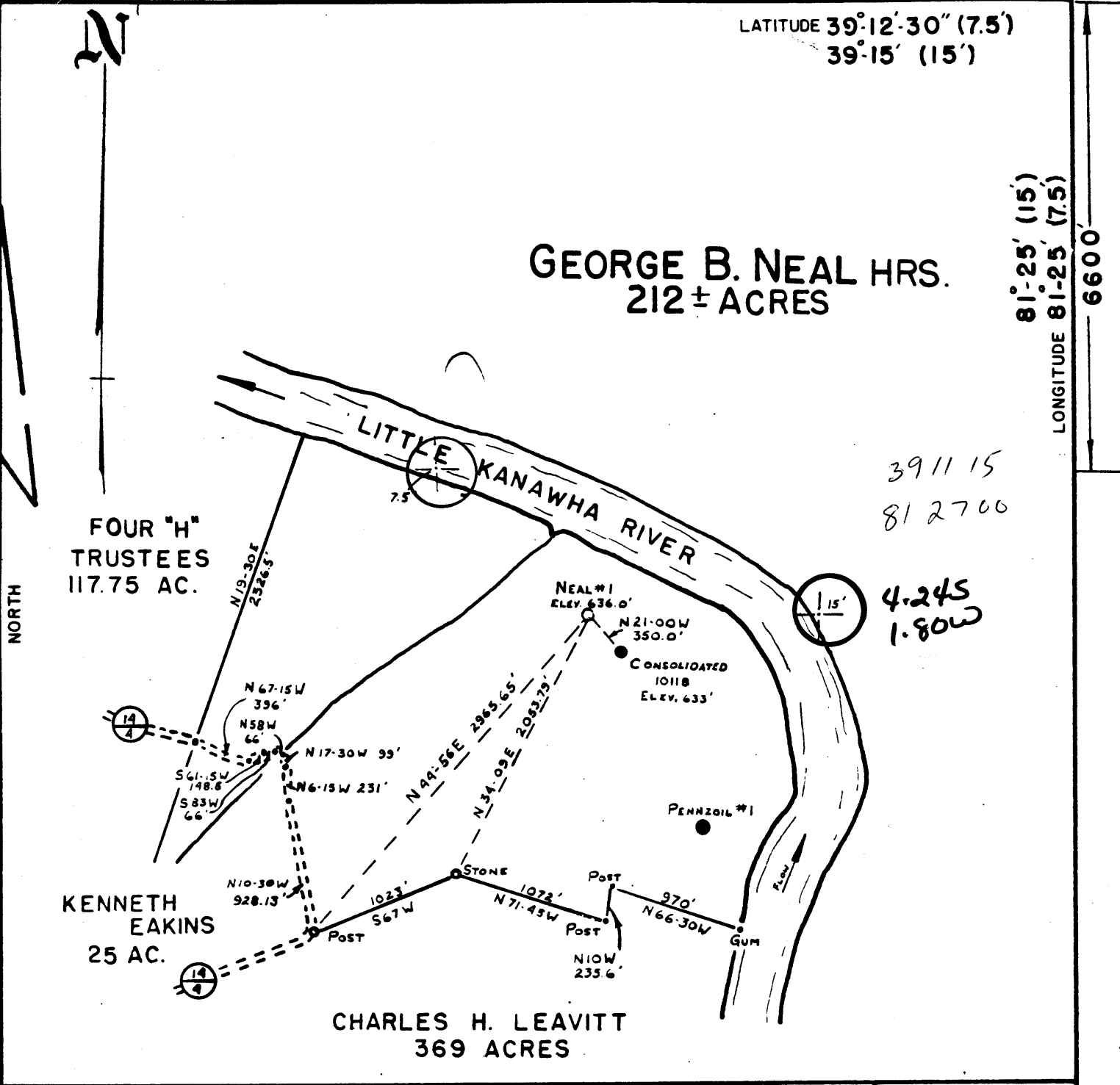


GEORGE B. NEAL HRS. 212 ± ACRES



FOUR "H" TRUSTEES
117.75 AC.

KENNETH EAKINS
25 AC.

CHARLES H. LEAVITT
369 ACRES

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION CONSOLIDATED WELL # 10118 ELEV 633'

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) E. J. M... J.
 R.P.E. _____ L.L.S. 276

PLACE SEAL HERE

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

FORM IV-6
(8-78)



DATE August 13, 19 81
 OPERATOR'S WELL NO. 1
 API WELL NO. SER-#1
47 - 107 - 1170
 STATE COUNTY PERMIT

Department of Mines
Oil & Gas Division

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 LOCATION: ELEVATION 636' WATER SHED LITTLE KANAWHA
 DISTRICT SLATE COUNTY WOOD
 QUADRANGLE ELIZABETH 13 (Kanawha 742) NW
 SURFACE OWNER GEORGE B. NEAL HRS. ACREAGE 212
 OIL & GAS ROYALTY OWNER SAME AS ABOVE LEASE ACREAGE 212
 LEASE NO. 301

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 _____ 6-6 KANAWHA STATION
 TARGET FORMATION BEREA ESTIMATED DEPTH 2100'
 WELL OPERATOR PRENCO DESIGNATED AGENT PRENCO
 ADDRESS P.O. Box 31 MINERAL WELLS W.V. 26150 ADDRESS P.O. Box 31 MINERAL WELLS W.V. 26150

AUG 31 1981



IV-35
(Rev 8-81)

Date 5/18/82
Operator's Well No. Neal #1 - Ser. #1
Farm George B. Neal Heirs
API No. 47 - 107 - 1170

RECEIVED State of West Virginia
Department of Mines
Oil and Gas Division
MAY 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES
WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 636' Watershed Little Kanawha River
District: Slate County Wood Quadrangle Elizabeth 15'

COMPANY PRENCO
ADDRESS P.O.Box 91, Mineral Wells, WV 26150
DESIGNATED AGENT Same as above
ADDRESS
SURFACE OWNER George B. Neal Heirs
ADDRESS 209 Fort Boreman Ave. S. S. Parkersburg, WV 26101
MINERAL RIGHTS OWNER Same as above
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK K. Paul Goodnight ADDRESS Smithville, WV 26178
PERMIT ISSUED 8-18-81
DRILLING COMMENCED 8-20-81
DRILLING COMPLETED 8-25-81

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11" 1330'	64'	64'	Conductor
9 5/8			
8 5/8	226'	226'	Cement to surface
7			
5 1/2			
4 1/2	2151'	2151'	Cement to 1100'
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Berea Depth 2200 feet
Depth of completed well 2200 feet Rotary X / Cable Tools
Water strata depth: Fresh (Probably 30') feet; Salt feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Berea Pay zone depth 2080-2084 feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow show Bbl/d
Final open flow 100 Mcf/d Final open flow 20 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 345 psig (surface measurement) after 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

MAY 24 1982

(Continue on reverse side)

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

Fractured 9-17-81: 600 bbls. water - 500 gal. Mod 202 acid - 20,000# 20/40 mesh 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
					From Gamma log.
Surface soil and clay			0	30	
Sand			30	60	
Shale and siltstone			60	300	
Siltstone			300	400	
Sandstone			400	460	
Shale and siltstone			460	950	
Sandstone			950	1100	
Shale, sandstone, siltstone			1100	1400	
Sandstone, shale			1400	1520	
Sandstone			1520	1580	
Limestone			1580	1620	
Sandstone			1620	1690	
Silt and shale			1690	2080	
Sandstone <i>BEREA</i>			2080	2086	
Silt and shale			2086	2200	Total depth

(Attach separate sheets as necessary)

PRENCO

Well Operator

By: *Denzil S. Prather*

Date: 5/18/82

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

AUG 17 1981

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 17, 1981

Surface Owner George Neal Heirs
Address 209 Fort Boreman Ave. S.S.
Parkersburg, WV 26101

Company PRENCO
Address P. O. Box 91
Mineral Wells, WV 26150

Mineral Owner Same as above
Address _____

Farm George Neal Heirs Acres 212
Location (waters) Little Kanawha River

Coal Owner None

Well No. 1 - Serial No. 1 Elevation 636'

Address _____

District Slate County Wood

Coal Operator _____

Quadrangle Elizabeth 15'

Address _____

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 4-18-82.

INSPECTOR
TO BE NOTIFIED K. Paul Goodnight

ADDRESS Smithville, WV 26178

PHONE 477-3660

Paul Goodnight
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 Dec. 26, 1980 by Estella B. Neal made to Adena Petroleum, Inc. and recorded on the 8th day of Jan. 1981, in Wood County, Book 749 Page 394

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,
(Sign Name) PRENCO Denzil L. Prather
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.

47-107-1170

PERMIT NUMBER

WIND TUNNEL

"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 _____

