

FILE NO. 81-1147

DRAWING NO. 1

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1:2500

PROVEN SOURCE OF ELEVATION C. and G.S. B.M.

"L-136" 750.13'

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) [Signature]

R.P.E. \_\_\_\_\_ L.L.S. 599



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

FORM IV-6 (8-78)



DATE 21 NOV. 1981

OPERATOR'S WELL NO. SHEPHERD #1

API WELL NO. \_\_\_\_\_

47 - 095 - 0971

STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

**CANCELLED**

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_

(IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 857' WATER SHED HICKMAN RUN

DISTRICT LINCOLN COUNTY TYLER COUNTY

QUADRANGLE PADEN CITY

SURFACE OWNER SHEPHERD ACREAGE 50 ACRES

OIL & GAS ROYALTY OWNER JAMES F. DOAN LEASE ACREAGE 50 ACRES

LEASE NO. \_\_\_\_\_

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 \_\_\_\_\_

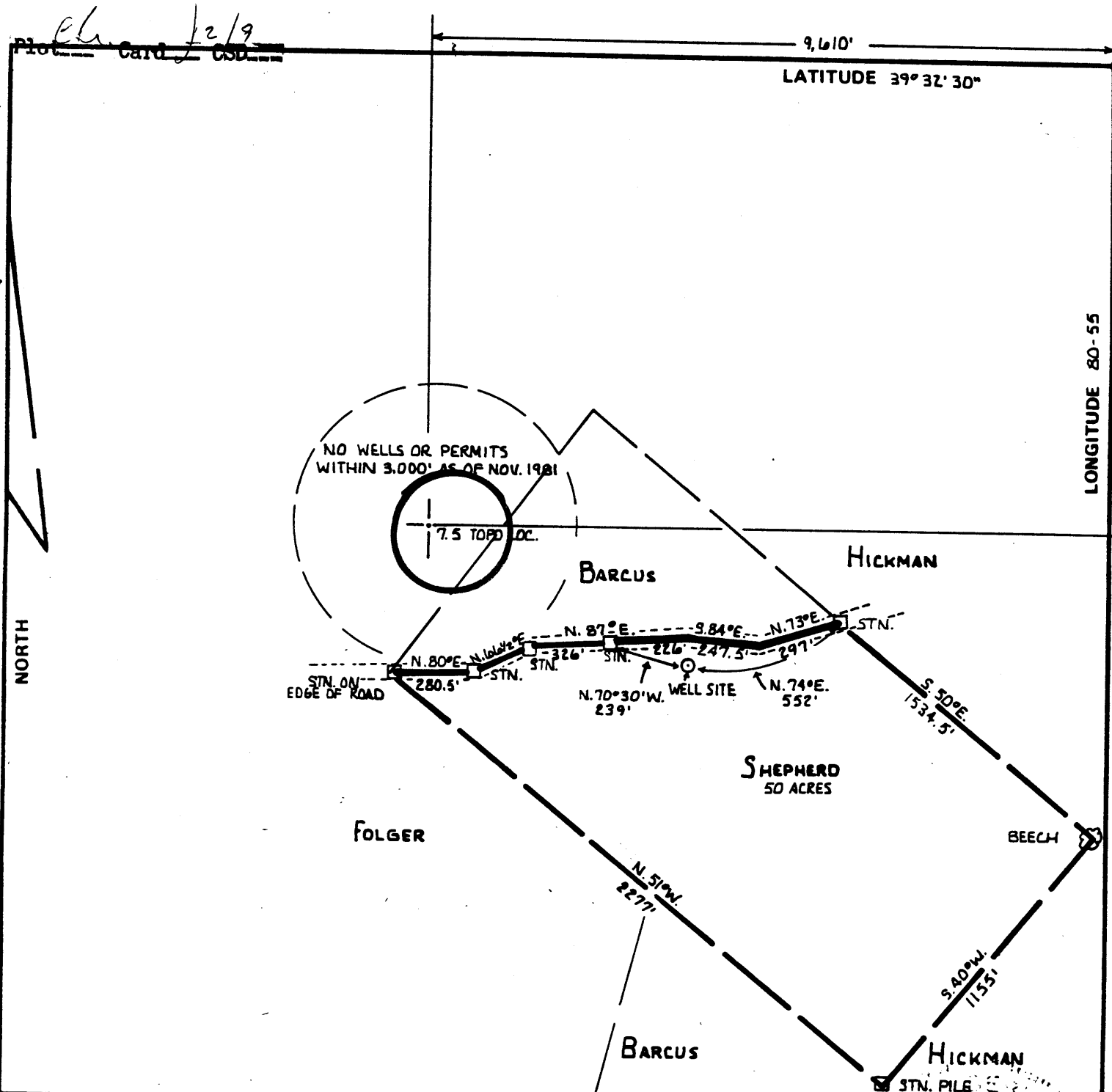
TARGET FORMATION HAMPSHIRE FORMATION ESTIMATED DEPTH 4,200'

WELL OPERATOR FREDERICK PETROLEUM DESIGNATED AGENT JAMES F. DOAN

ADDRESS RT. #1 ADDRESS P.O. Box 31

MARIETTA, OHIO MIDDLEBOURNE, W.V.

SEP 28 1982



FILE NO. 81-1147

DRAWING NO. 1

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1/2"

PROVEN SOURCE OF ELEVATION C. and G.S. B.M.

"L-136" 750.13'

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) \_\_\_\_\_

R.P.E. \_\_\_\_\_ L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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

FORM IV-6 (8-78)

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL

(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 857' WATER SHED HICKMAN RUN

DISTRICT LINCOLN COUNTY TYLER COUNTY

QUADRANGLE PADEN CITY Red Martinsville SW

SURFACE OWNER SHEPHERD ACREAGE 50 ACRES

OIL & GAS ROYALTY OWNER JAMES F. DOAN LEASE ACREAGE 50 ACRES

LEASE NO. \_\_\_\_\_

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 UPPER SEVOLIEN HAMPSHIRE FORMATION ESTIMATED DEPTH 4,200'

WELL OPERATOR FREDERICK PETROLEUM DESIGNATED AGENT JAMES F. DOAN

ADDRESS RT.#1 ADDRESS P.O. Box 31

MARIETTA, OHIO MIDDLEBOURNE, W.V.

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE 12/23/81, 19 81

OPERATOR'S WELL NO. 5 224 07

API WELL NO. 47-095-0971

STATE COUNTY PERMIT

DEC 23 1981



STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil xxx / Gas xxx /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow xxx /

LOCATION: Elevation: 857 Watershed: Hickman Run  
District: Lincoln County: Tyler Quadrangle: Paden City

WELL OPERATOR FREDERICK PETROLEUM  
Address: Rt. 1  
Marietta, Ohio 45750

DESIGNATED AGENT JAMES F. DOAN  
Address: P. O. Box 31  
Middlebourne, WV 26149

OIL AND GAS ROYALTY OWNER James F. Doan  
Address: P. O. Box 31  
Middlebourne, WV 26149  
Acreage 50

COAL OPERATOR  
Address

SURFACE OWNER Thomas Shepherd  
Address: New Martinsville, WV 26155  
Acreage 50

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME James F. Doan  
Address

FIELD SALE (IF MADE) TO:  
NAME  
Address

NAME  
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
Name Phillip Tracey  
Address  
Alma, WV  
Telephone 758-4573

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME none  
Address

**RECEIVED**  
DEC 7 1981  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease xxx / other contract \_\_\_ / dated Oct. 19, 1981 to the undersigned well operator from James F. Doan

By October 22, 1981, in the office of the Clerk of County Commission of Tyler County, West Virginia, in 234 Book at page 186. A permit is granted as follows:

PROPOSED WORK: Drill xxx / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

---planned as shown on the work order on the reverse side hereof. The above named coal operator, coal owner(s), and coal lessee are hereby notified that any operations which wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. of Mines. This Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS COMMISSION  
1000 BANKERS BUILDING  
CHARLESTON, WV 25311  
Telephone: 348-3092

**BLANKET BOND**

Well Operator  
By: \_\_\_\_\_  
Its: \_\_\_\_\_

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Shale

Estimated depth of completed well 4,200 feet. Rotary xxx / Cable tools     /

Approximate water strata depths: Fresh,     feet; salt,     feet.

Approximate coal seam depths:    

Is coal being mined in this area: Yes     / No xxx /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor								Kinds
Fresh water	8-5/8					1000	1000	To Surface
Coal								Sizes
Intermed.								
Production Tubing	4-1/2							440 cement Depths set
Liners								or as reqd. by rule 15.01 Perforations: Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plan in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**RECEIVED**

THIS PERMIT MUST BE POSTED AT THE WELL SITE

DEC 7 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

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 8-10-82.

*[Signature]*  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator     / owner     / lessee     / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date:    , 19    .

By: \_\_\_\_\_

Its: \_\_\_\_\_