



FILE NO. R.D.C. # 3 - P 9.40

DRAWING NO. 2

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1' IN 200'

PROVEN SOURCE OF ELEVATION B.M. 767' ON BRIDGE RT. 18/11 TANYARD RUN

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) Thomas F. Weaver Jr.

R.P.E. _____ L.L.S. 110

PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE JANUARY 31, 1980

OPERATOR'S WELL NO. 1-A

API WELL NO. 47-095-0780

STATE _____ COUNTY _____ PERMIT _____

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____

(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 920' WATER SHED TANYARD RUN

DISTRICT LINCOLN COUNTY TYLER

QUADRANGLE PADEN CITY 7E, NEW MARTINSVILLE 15' SW

SURFACE OWNER WILBERT DARLING & SOL GROSS ACREAGE 114 Ac.

OIL & GAS ROYALTY OWNER JAMES F. DOAN LEASE ACREAGE 121

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 SPEECHLEY ESTIMATED DEPTH 3300'

WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT CORP.

ADDRESS 103 E. MAIN ST. BRIDGEPORT W. VA. ADDRESS 103 E. MAIN ST. BRIDGEPORT W. VA.

3-C ~~to~~ Sistersville (28) FEB 25 1980



RECEIVED

NOV 26 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Paden City 7 1/2'

Permit No. Ty-0780

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Petroleum Development Corporation
Address 103 East Main St, Bridgeport, WV
Farm James F. Doan Acres 121.69
Location (waters) Tanyard Run
Well No. #1-A Elev. 920'
District Lincoln County Tyler
The surface of tract is owned in fee by Wilbert Darling & Sol Gross
Address addresses unknown
Mineral rights are owned by James F. Doan
Star Rt, Box 194, Middlebourne, WV
Drilling Commenced 2/20/80
Drilling Completed 2/27/80
Initial open flow _____ cu. ft. _____ bbls.
Final production 412 cu. ft. per day _____ bbls.
Well open 48 hrs. before test 725 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. XXXX 11 3/4'	40'	40'	circulate
9 5/8			
8 5/8	1000'	973'	surface
7			
5 1/2			
4 1/2	3424'	2746'	300 sks
3			
2			
Liners Used			

Well treatment details:

Gordon 2636-57

470 bbl 45,000# 20/40 10,000# 80/100
500 gal 15% acid

Attach copy of cementing record.

HGMCF

Coal was encountered at _____ Feet _____ Inches

Fresh water 60', 475' Feet

Salt Water _____ Feet

Producing Sand Gordon

Depth 2636'-57'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
R.R., shale			0	40		
sand			40	111		1" stream H2O @ 60'
sand, shale			111	400		
sand			400	740		1/2" H2O @ 475'
sand, shale			740	1090		
sand			1090	1159		
sand, shale			1159	1650		
sandstone			1650	1830		
shale			1830	1850		
sandstone			1850	1860		
shale			1860	2080		
sandstone			2080	2160		
shale			2160	2640		
siltstone			2640	2660		
shale			2660	3200		
sand, shale			3200	3424		

TD ^{WRRN} plugged back from 3424' 2756' / 45 bbl 6% gel

3424
2657
767



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB - 1 1980

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 2-1-80

Surface Owner Wilbert Darling & Sol Gross

Company Petroleum Development Corporation

Address Addresses' Unkown

Address P.O. Box 26 Bridgeport, WV 26330

Mineral Owner James F. Doan

Farm James F. Doan Acres 121.69

Address Star Route, Box 194 Middlebourne WV

Location (waters) Tanyard Run

Coal Owner Same As Surface Owner

Well No. 1A Elevation 920'

Address Unkown

District Lincoln County Tyler

Coal Operator none

Quadrangle Paden City

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 10-4-80.

INSPECTOR
TO BE NOTIFIED Phillip Lee Tracy

ADDRESS P.O. Box 172, Dodd St. Middlebourne WV 26149

PHONE 304-268-3820

Robert H. [Signature]
GENTLEMAN Director - Oil & Gas Division

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 Decembre 6 19 79 by Clarence W. Mitschelknaus made to Petroleum Development Corp and recorded on the 17th day of Decembre 19 79, in Tyler County, Book 222 Page 525

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.

Very truly yours, *John C. Moore*
(Sign Name) Petroleum Development Corporation
Well Operator

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 _____
P.O. Box 26
Street
Bridgeport, WV 26330
City or Town
WV
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.

BLANKET BOND

47-095-0780 PERMIT NUMBER

Summary

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME UNKNOWN _____ NAME Petroleum Development Corporation _____
 ADDRESS _____ ADDRESS P.O. Box 26, Bridgeport, WV 26330 _____
 TELEPHONE _____ TELEPHONE 304-842-6256 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 3200' _____ ROTARY XX _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Fifth _____
 TYPE OF WELL: OIL _____ GAS XX _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11 3/4'</u>	<u>40</u>	<u>40</u>	<u>circulate</u>
9 - 5 8			
8 - 5 8	<u>1800'</u>	<u>1800'</u>	<u>circulate</u>
7			
5 1/2			
4 1/2		<u>3200'</u>	
3			Perf. Top
2			Perf. Bottom
Lines			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 200' FEET _____ SALT WATER 1700' FEET _____

APPROXIMATE COAL DEPTHS none _____

IS COAL BEING MINED IN THE AREA? No _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title