

10,600'

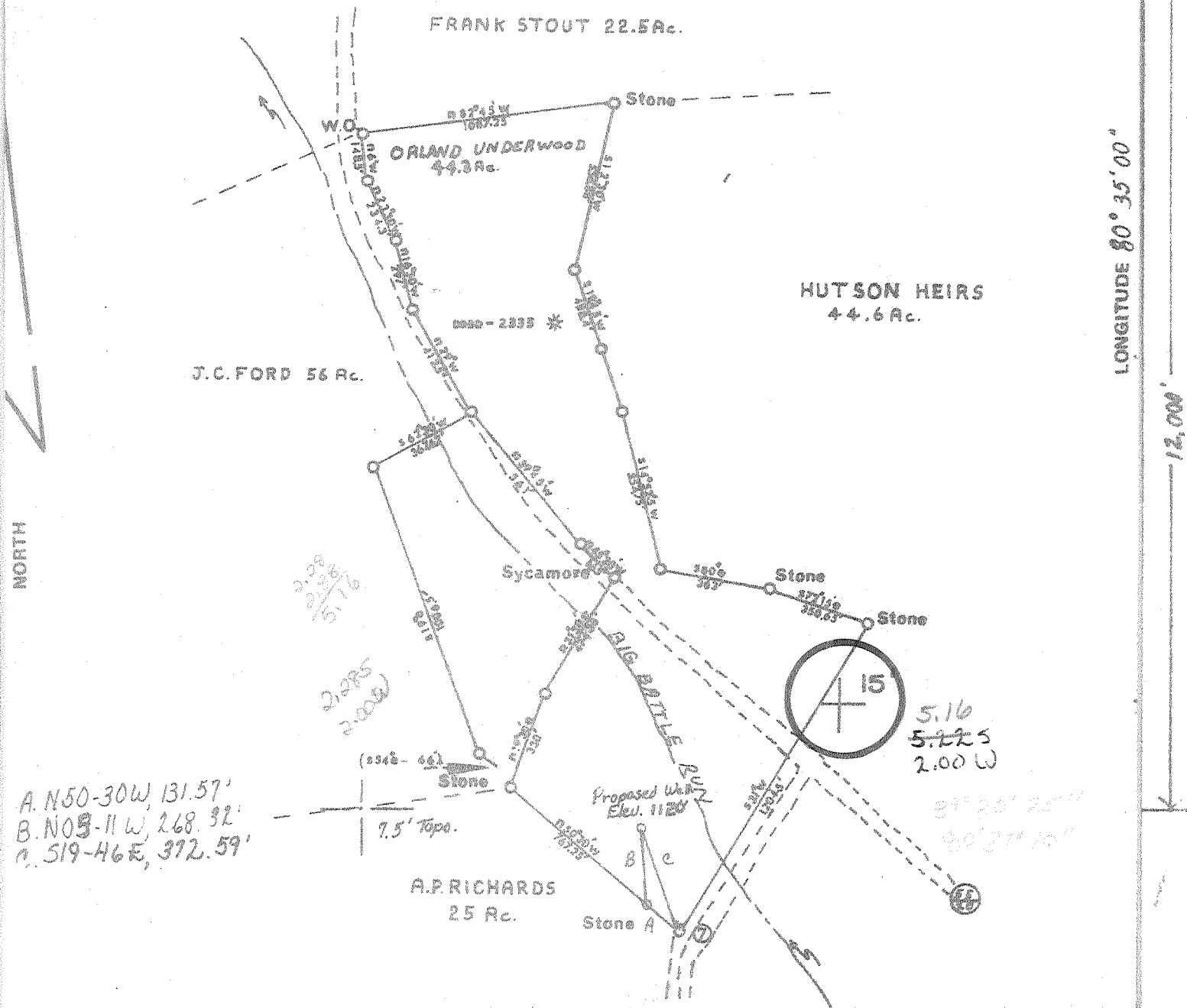
119/20 R

LATITUDE 39° 22' 30"
(15') 39° 25'

LONGITUDE 80° 35' 00"

12,000'

NORTH



A. N50-30W, 131.57'
 B. N08-11W, 268.92'
 C. S19-46E, 372.59'

FILE NO. P.D.C. # 2 - P2
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION B.M. 889' POSSUM 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) Haynes P. Poole
 R.P.E. L.L.S. 624

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE December 28, 19 79
 OPERATOR'S WELL NO. 3
 API WELL NO. 47-017-2579
 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 1120' WATER SHED BIG BATTLE RUN
 DISTRICT McCLELLAN COUNTY BOBBIDGE
 QUADRANGLE SALEM 7 1/2 CENTERPOINT 15' C
 SURFACE OWNER ORLAND UNDERWOOD ACREAGE 44.3
 OIL & GAS ROYALTY OWNER GARLAND O. FORD LEASE ACREAGE 44.3
 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 BENSON ESTIMATED DEPTH 5000'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT CORP.
 ADDRESS 103 E. MAIN ST. BRIDGEPORT, W. Va. 26330 ADDRESS 103 E. MAIN ST. BRIDGEPORT, W. Va. 26330

SMITHSON FLINT SEDALIA 99

99

FEB 13 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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JUN 16 1980

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES
Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Salem

Permit No. Dodd-2579

Company <u>Petroleum Development Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>103 East Main St., Bridgeport, WV 26330</u>	Size			
Farm <u>Garland Ford</u> Acres <u>44.3</u>	20-16			
Location (waters) <u>Big Battle Run</u>	Cond.			
Well No. <u>#3</u> Elev. <u>1120'</u>	<u>11 3/4'</u>	<u>33'</u>	<u>33'</u>	surface
District <u>McClellan</u> County <u>Doddridge</u>	<u>9 5/8</u>			
The surface of tract is owned in fee by <u>Orland M. Underwood</u>	<u>8 5/8</u>	<u>1733'</u>	<u>1676'</u>	440 sks
Address <u>Rt. 2, Salem, WV 26426</u>	<u>7</u>			
Mineral rights are owned by <u>Garland O. Ford</u>	<u>5 1/2</u>			
Address <u>Riverton, WV 26814</u>	<u>4 1/2</u>	<u>5239'</u>	<u>5235'</u>	150 sks
Drilling Commenced <u>5/12/80</u>	<u>3</u>			
Drilling Completed <u>5/18/80</u>	<u>2</u>			
Initial open flow <u>no show</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>411 M. cu. ft.</u> per day _____ bbls.				
Well open <u>48</u> hrs. before test <u>1575</u> RP.				

Well treatment details: Attach copy of cementing record.
Benson 415 bbl 10,000# 80/100 37,000# 20/40 500 gal. acid 5127-5182

Coal was encountered at _____ Feet _____ Inches
Fresh water 770 Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 5127 feet

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
top soil			0	30		
shale, R.R.			30	110		
red rock			110	120		
sand, shale			120	240		
red rock			240	650		
sand, shale, R.R.			650	1270	fresh H ₂ O	1 1/2" @ 770'
red rock			1270	1300		
sand, shale			1300	2045		
big lime			- 2045	2100		
big injun			2100	2184		
sand, shale			2184	2780		
gordon/stray			2780	2894		
sand, shale			2894	4842		All gas checks were no shows
riley			4842	4894		
sand, shale			4894	5114		
benson			- 5114	5186		
sand, shale			5186	5239 TD		

JUL 16 1980

(08-78)

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Three
API Well No. 47 - 017 - 2579
State County Permit

TYPE: Oil / Gas /
If "Gas", Production / Underground storage / Deep / Shallow /
Elevation: 1120' Watershed: Big Battle Run
District: McClellan County: Doddridge Quadrangle: Salem

OPERATOR Petroleum Development Corp.
Address P.O. Box 26
Bridgeport, WV 26330

DESIGNATED AGENT Petroleum Development Corp.
Address P.O. Box 26
Bridgeport, WV 26330

COAL OPERATOR Garland O. Ford, et.al.
Address Riverton, WV 26814

COAL OPERATOR
Address

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Orland M. Underwood
Address Rt. 2
Salem, WV 26426

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Consolidation Coal Company
Address P.O. Box 1613
Morgantown, WV 26505

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name 44.3

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

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JAN - 8 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above

location under lease other contract dated September 13, 1978, to wit:

Contract No. Clarence W. Mutschelknaus

(This contract has been recorded.)

On November 3, 1978, in the office of the Clerk of the County Commission of Doddridge

County, West Virginia, Lease 105 of 338 A permit is hereby granted to

operator to drill deeper Redrill Fracture or stimulate

to produce gas or oil from 1500 feet new Permit Boundary

to produce gas or oil from the well (specify)

The work order on the reverse side hereof.

The coal operator, coal owner(s), and coal lessee are hereby notified that any

change in ownership or interest in the coal or gas property must be filed with the Department

of Mines, Oil and Gas, for the receipt of this Application by the Department.

The coal operator, coal owner(s), and coal lessee are hereby notified that any

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of Mines, Oil and Gas, for the receipt of this Application by the Department.

PETROLEUM DEVELOPMENT CORPORATION

Well No. 47-017-2579

BLANKET BOND

By Paul C. Moore

Paul C. Moore

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

INITIAL TARGET FORMATION, Benson

Estimated depth of completed well, 5275 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 200 feet; salt, 1500 feet.

Approximate coal seam depths: 760, 1150 Is coal being mined in the area? Yes _____ / No X /

WELL DRILLING PROGRAM

WELL NO.	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Weight	New	Used	For drilling	Left in well		
	13 5/8"			X	40'	40'		Kinds
	8 5/8" K	20 & 23	X		1900'	1900'	400 sks	Sizes
	4 1/2"	10.5	X		5200'	5200'		Depth set
								Perforations:
								Tool joint

The Department of Mines provides that the original and four copies of the permit shall be filed with the Department, accompanied by (1) a plat in the form prescribed by Regulation 22, or in lieu thereof, a map showing the location of the well, as prescribed by Regulation 22, or in lieu thereof, a map showing the location of the well, as prescribed by Regulation 22, (2) unless otherwise provided for in the permit, the fee required by Code § 20-4-11a, and (3) if applicable, the fee required by Code § 20-4-11a, and (4) if applicable, the fee required by Code § 20-4-11a from the owner of any water well or drilling site.

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 9-18-80.

[Signature]
Deputy Director - Oil & Gas Division

The permit shall be valid for a period of 12 months from the date of issuance, unless otherwise provided for in the permit, and shall be renewed upon application to the Department of Mines.

The permit shall be subject to the provisions of the regulations of the Department of Mines, and the provisions of the laws of the State of West Virginia, relating to the drilling of wells, and the operation of wells, and the production of oil and gas.