

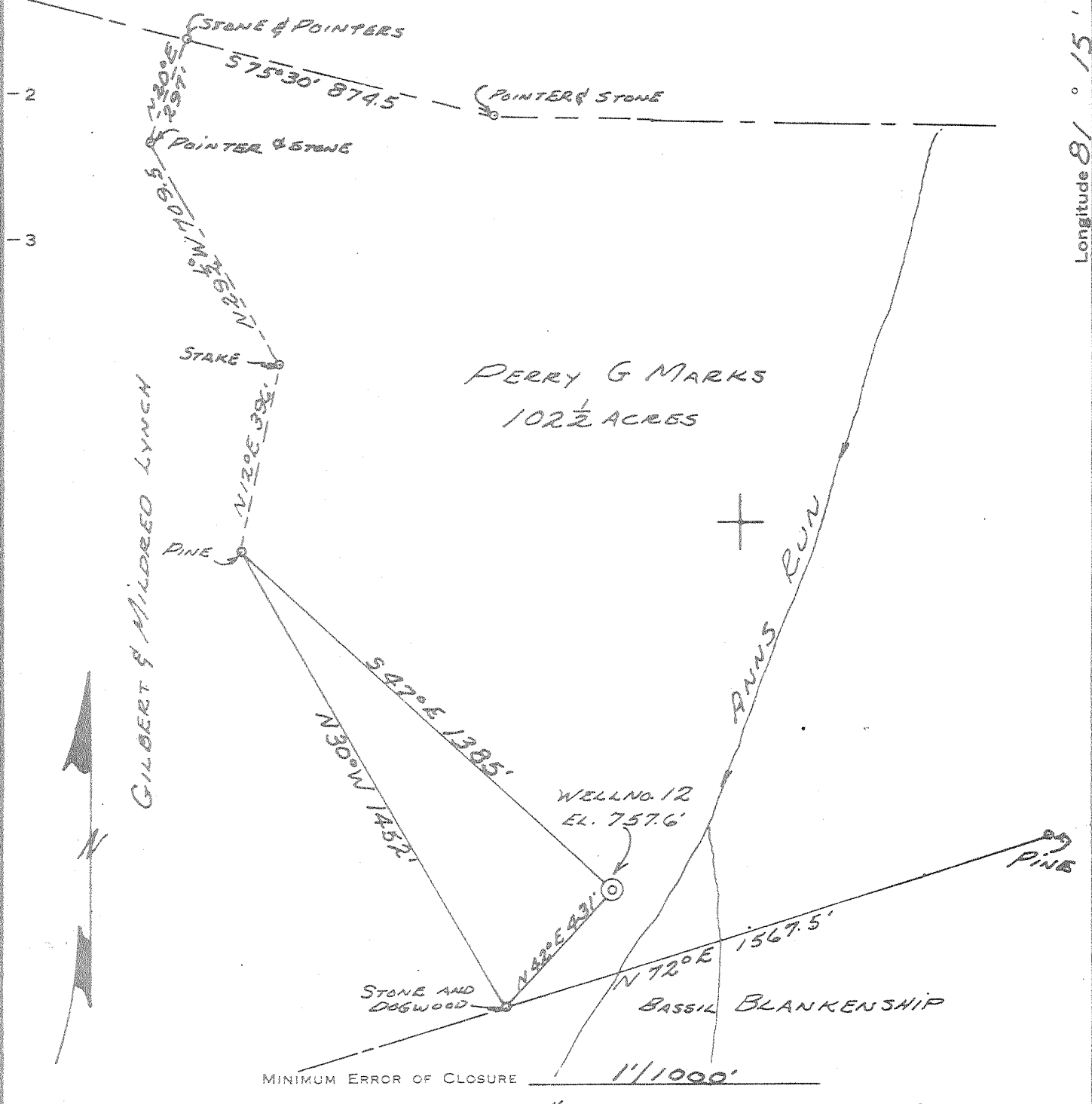
Card

7 8

Latitude 39 ° 00 '

Longitude 81 ° 15 '

W.VA. PULP & PAPER Co.



MINIMUM ERROR OF CLOSURE 1''/1000'

SOURCE OF ELEVATION BM # 37 W.S.M. ANN'S RUN ROAD

ELEV. 789

New Location
 Drill Deeper
 Abandonment

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY PARAGRAPH 6 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA."

Company WEVA OIL CORPORATION
 Address S. LYNCH, CRESTON, WVA.
 Farm PERRY G MARKS
 Tract _____ Acres 102 1/2 Lease No. _____
 Well (Farm) No. 12 Serial No. _____
 Elevation (Spirit Level) 757.6'
 Quadrangle SPENCER
 County WIRT District SPRING CREEK
 SURVEYED BY A. FLETCHER
 Engineer Robert P. Wheeler, P.E.
 Engineer's Registration No. 3582
 File No. _____ Drawing No. _____
 Date JUNE 23, 1966 Scale 1" = 400'

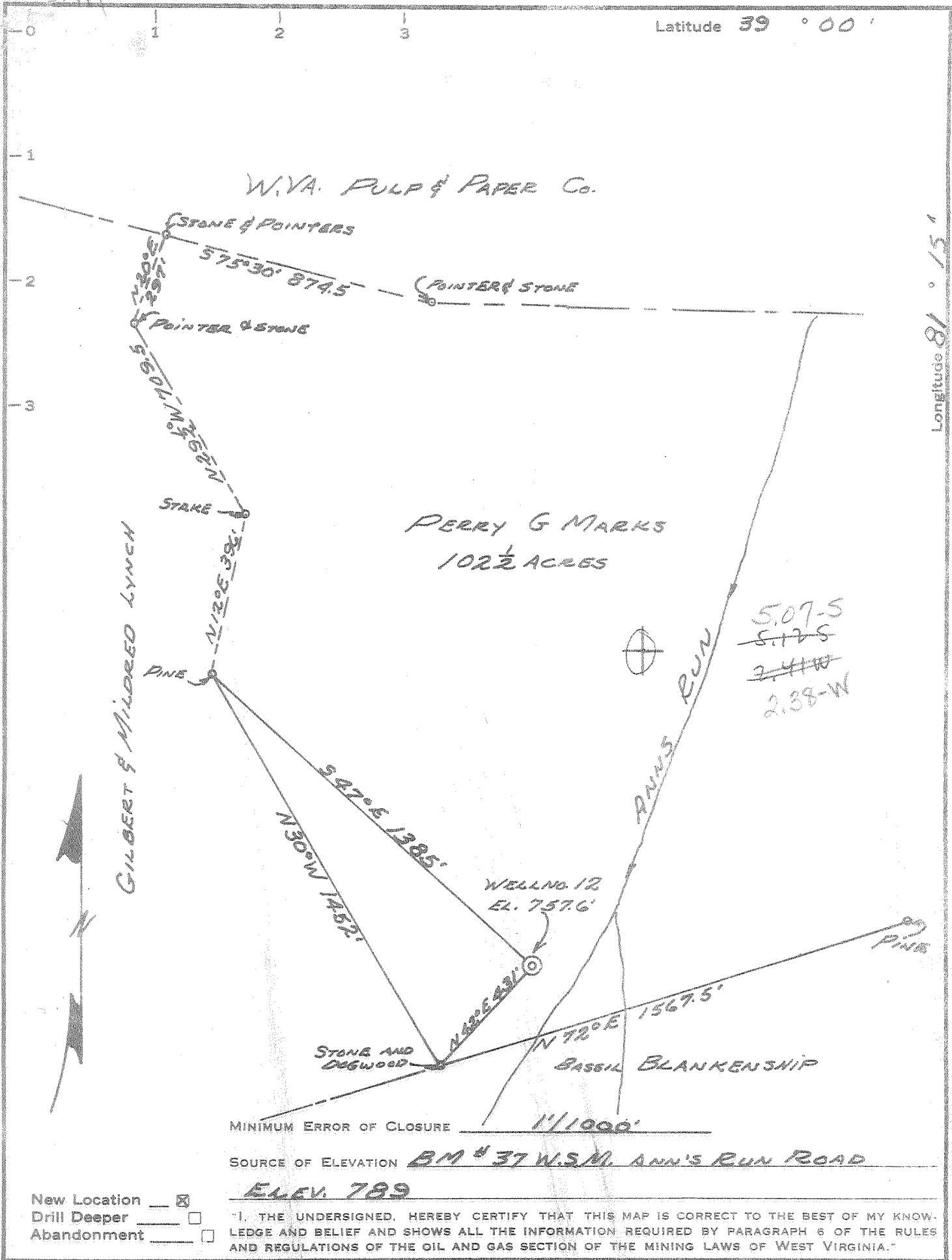
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 105-0527 RED

— Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— OWWO- 3-3 Anns Run (166)
 — Denotes one inch spaces on border line of original tracing

DEEP WELL OCT 10 1980



Company WEVA OIL CORPORATION
 Address S. LYNCH, CRESTON, WVA.
 Farm PERRY G MARKS
 Tract _____ Acres 102 1/2 Lease No. _____
 Well (Farm) No. 12 Serial No. _____
 Elevation (Spirit Level) 757.6'
 Quadrangle SPENCER (NE)
 County WIRT District SPRING CREEK
 Surveyed by A. FLETCHER
 Engineer Robert J. Wheeler, P.E.
 Engineer's Registration No. 3582
 File No. _____ Drawing No. _____
 Date JUNE 23, 1966 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WIRT-527
105-527

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

35-011/616



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Spencer

WELL RECORD

Permit No. Wir- 527

Oil or Gas Well Dry
(KIND)

Company Weva Oil Corporation
Address 504 Union Trust Bldg., Parkersburg, W.Va.
Farm P.G. Marks Acres 102
Location (waters) Anne's Run
Well No. 12 Elev. 768 KB
District Spring Creek County Wirt
The surface of tract is owned in fee by Denver Roberts
Address Elizabeth, W.Va.
Mineral rights are owned by G. Engleke Heirs.
Address Creston, W.Va.
Drilling commenced July 8, 1966.
Drilling completed August 3, 1966.
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	35	35	
10			Size of
8 5/8	1675	1675	
7"	5630	5630	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

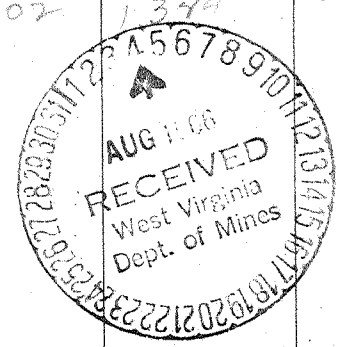
CASING CEMENTED Yes SIZE 7 No. Ft. 5630 Date
CEMENTED IN ANNULAR TO 5100 FT
FROM BOTTOM OF 7" CASING.
COAL WAS ENCOUNTERED AT None FEET INCHES
9 5/8" CASING INCHES ALSO CEMENTED
TO APPROXIMATELY 700 FT.

RESULT AFTER TREATMENT None
ROCK PRESSURE AFTER TREATMENT
Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale	Red		0	420			
Sand & Shale			420	1180			
Sandstone			1180	1440	Salt Water	1370	
✓ Limestone	Big Lime		1440	1600			
✓ Sandstone	Big Injun Sand		1600	1620	SHOW OIL		
Shale			1620	5243 5243			
✓ Limestone & Chert	Huntersville		5243	5446			
✓ Sandstone	PRSP Lime & Chert		5446	5770	Water	5684	(Casing only) 5446 - 5476 WATER
✓ Limestone & Chert			5770	6080			
✓ Dolomite & Anhydrite	Saluda		6080	6770			
✓ Sandstone & Shale			6770	6805			
Shale & Dolomite	Mckenzie		6805	6894 TD.			6770 - 6774 NEW BATS

* Note: All casings were cemented in the hole.

Will attempt to produce and fracture Big Injun Sand
8-9-66 - Plugged and abandoned



5243
768
4475
5446
768
4678
6080
768
5312

Deep Well

RECEIVED
APR 4 1983



OIL & GAS DIVISION
DEPT. OF MINES
State of West Virginia
Department of Mines
Oil and Gas Division

Date 3/22/82
Operator's
Well No. 12
Farm P. G. Marks Hrs.
API No. 47 - 105 - 0527

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: 758 Watershed Ann's Run
District: Spring Creek County Wirt Quadrangle Burning Springs

COMPANY Weva Oil Company
ADDRESS 325 Seventh Street Room 205 Parkersburg, WV 26101
DESIGNATED AGENT Randall Lynch
ADDRESS Creston, WV 26141
SURFACE OWNER P. G. Marks Hrs.
ADDRESS
MINERAL RIGHTS OWNER same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Paul Goodnight ADDRESS Smithville, WV 26178
PERMIT ISSUED September 23, 1980
DRILLING COMMENCED September 23, 1980
DRILLING COMPLETED October 16, 1980
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"			
9 5/8	1675	1675	surface
8 5/8			
7			
5 1/2			
4 1/2	4050	4050	580
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2000 to TD feet
Depth of completed well 4091 feet Rotary / Cable Tools X
Water strata depth: Fresh NA feet; Salt NA feet
Coal seam depths: NA Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Huron Devonian Shale Pay zone depth 3455 to 4034 feet
Gas: Initial open flow 200 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 53 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 600 psig (surface measurement) after 4 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

WIRT 0527

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

3450 to 4050 20 shots

stimulated w/720 MSCF of Nitrogen
pumped at a rate of 44 MSCF/min
ISIP=1650

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Conemaugh			0	210	
Alleghency			210	625	
Pottsville			625	860	
Mauch Chunk			860	980	
Greenbrier			980	1270 ?	doesn't agree with adj wells
Pocono			1270	1985	
Hampshire			1985	3150	H-3267? J-4224
Chemung			3150	TD	
				TD 4091	
					4091 1620 <u> </u> 2371 - expl ftg

(Attach separate sheets as necessary)

Well Operator
By: _____
Date: _____

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

Oil and Gas Division

RECEIVED
SEP 23 1980
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner P. G. Marks Hrs.
Address Creston, WV
Mineral Owner same
Address _____
Coal Owner same
Address _____
Coal Operator none
Address _____

DATE September 15, 1980
Company Weva Oil Company
Address Creston, WV
Farm P. G. Marks Acres 102
Location (waters) Ann's Run
Well No. 12 Elevation 758
District Spring Creek County Wirt
Quadrangle Burning Springs

PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
Redrilling _____. This permit shall expire if
operations have not commenced by 5-23-81
Fred W. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED K. Paul Goodnight
ADDRESS Smithville, WV 26178
PHONE 477-3660

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 June 6 1903 by P.G. Marks made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book 45 Page 594
NEW WELL DRILL DEEPER X 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:

Very truly yours, [Signature]
(Sign Name) _____
Well Operator

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 -348-3092 348-3096

Address
of
Well Operator

Star Route
Street
Reno, Ohio 45773
City or Town
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

"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]

105
WIRT-527-RED. PERMIT NUMBER

[Signature]

PROPOSED WORK ORDER

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

DRIILLING CONTRACTOR (IF KNOWN) Falcon Drilling Corporation

Address 2030 Kanawha Blvd., E.

Charleston, W. Va. 25311

GEOLOGICAL TARGET FORMATION, Weir

Estimated depth of completed well, 4200' feet Rotary X / Cable tools /

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

Approximate coal seam depths: 30' Is coal being mined in the area: Yes / No

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	16"			X		40'	40'	Kinds
Fresh water								
Intermediate	8 5/8"		20#	X		650'	650'	Sizes
Production	4 1/2"		10.5#	X			4200'	200 sks. as needed
Logging								Depths set
Packers								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 plat 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 § 22-4-9a 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. 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 5-24-81.

[Signature]
Deputy Director, Oil & Gas Division. 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.

_____, 19____

By _____

Its _____