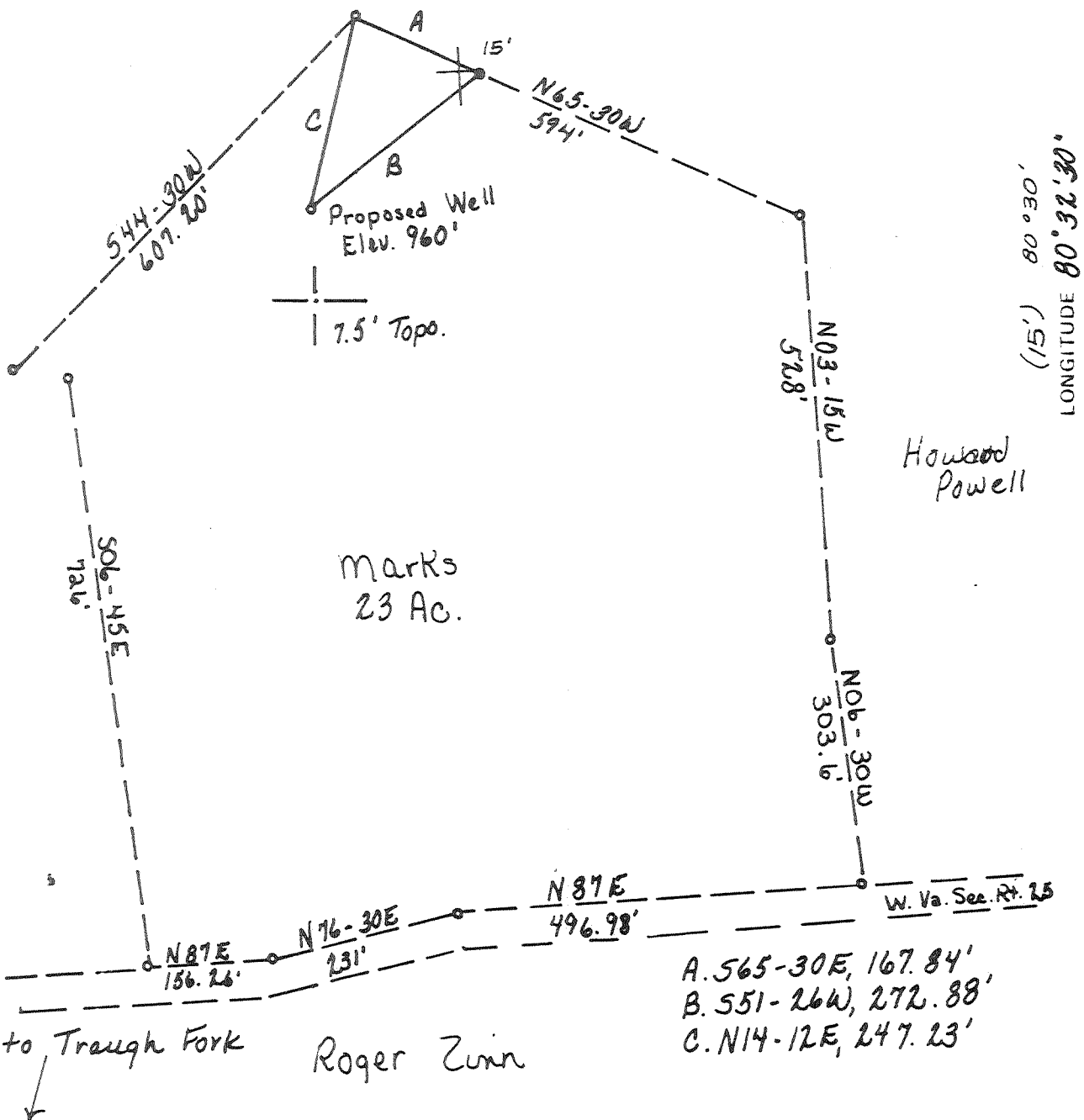


Cumberlidge



(15') 80° 30'
LONGITUDE 80° 32' 30"

NORTH

John Trent

Marks
23 Ac.

Howard Powell

700' to Traugh Fork

Roger Zinn

- A. 565-30E, 167.84'
- B. 551-26W, 272.88'
- C. N14-12E, 247.23'

W. Va. Sec. R. 25

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 200'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION USGS BM Zinnia 898, USGS Big Isaac Quad

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) Raymond D. Peterson
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 12, 1979
OPERATOR'S WELL NO. Marks #1
API WELL NO. _____
47 - 017 - 2564
STATE COUNTY PERMIT
Cancelled

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 960' WATER SHED Traugh Fork
DISTRICT Greenbrier COUNTY Doddridge
QUADRANGLE Big Isaac 7 1/2, VADIS 15'
SURFACE OWNER Alva Birssey ACREAGE 23
OIL & GAS ROYALTY OWNER Howard & Marks Heirs LEASE ACREAGE 23
LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

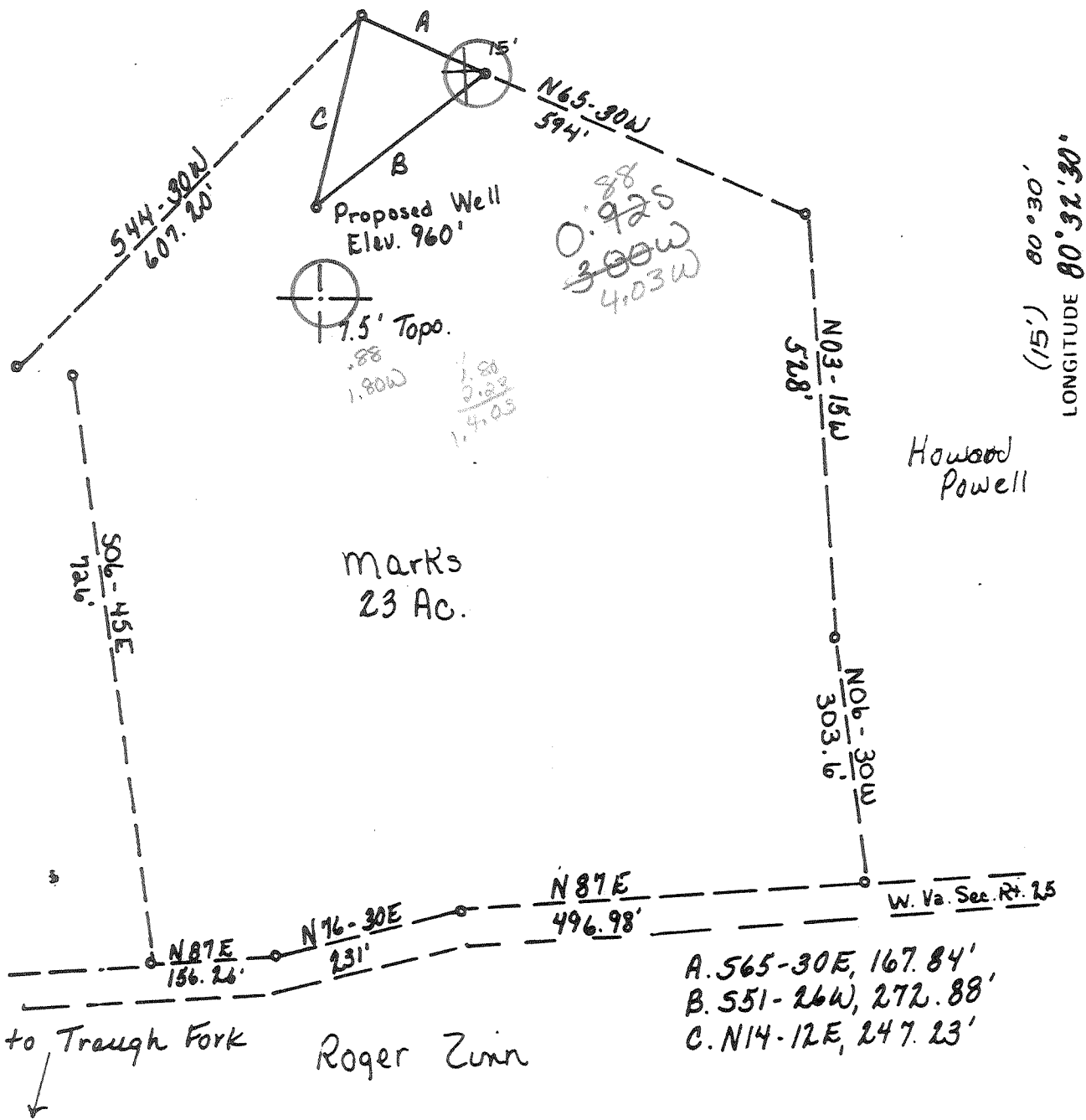
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR NRM Petroleum Corp. DESIGNATED AGENT R. L. Hopkins
ADDRESS Box 816 ADDRESS Box 816
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201

APR 23 1984

5350 Devonian shale

LATITUDE 39° 15' 00"

Cumberlidge



NORTH

John Trent

Marks 23 Ac.

Roger Zinn

Howard Powell

W. Va. Sec. R. 25

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS 8m Zinnia 898', USGS Big Isaac Quad

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 D. Parker
 R.P.E. _____ L.L.S. 624

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE December 12, 1979
 OPERATOR'S WELL NO. Marks #1
 API WELL NO. _____
47 - 017 - 2564
 STATE COUNTY PERMIT
Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 960' WATERSHED Traugh Fork
 DISTRICT Greenbrier COUNTY Doddridge
 QUADRANGLE Big Isaac 7 1/2, VARIS 15' NE
 SURFACE OWNER Alva Birssey ACREAGE 23
 OIL & GAS ROYALTY OWNER Howard C Marks Heirs LEASE ACREAGE 23
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR NRM Petroleum Corp. DESIGNATED AGENT R. L. Hopkins
 ADDRESS Box 816 ADDRESS Box 816
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201

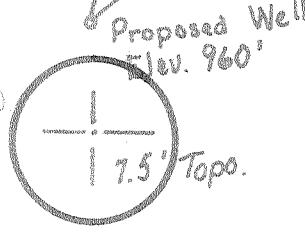
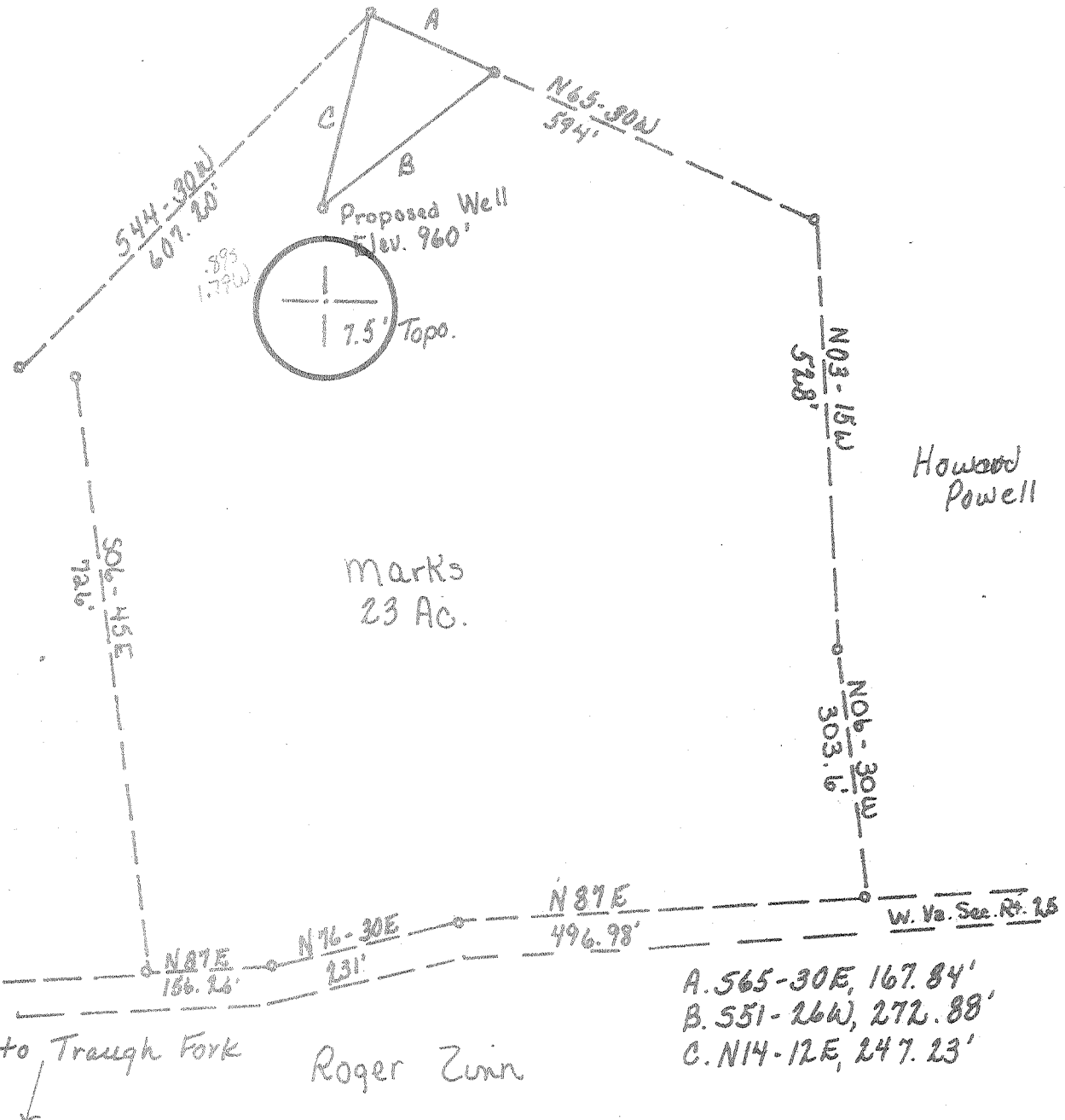
JUN 23 1981

LATITUDE 39° 15' 00"

LONGITUDE 80° 52' 30"

Cumberlidge

NORTH



Marks
23 Ac.

John Trent

Howard Powell

Roger Zinn

700' to Trough Fork

- A. 565-30E, 167.84'
- B. 551-26W, 272.88'
- C. N14-12E, 247.23'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1 in 100
 PROVEN SOURCE OF ELEVATION USGS BM Zinnia 898', USGS Big Isaac Quad

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) Rayne D. [Signature]
 R.P.E. _____ L.L.S. 624

PLACE SEAL HERE

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



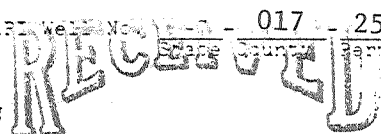
DATE December 12, 19 79
 OPERATOR'S WELL NO. Marks #1
 API WELL NO. _____
47 - 017 - 2564
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 960' NE WATER SHED: Trough Fork
 DISTRICT Greenbrier COUNTY Doddridge
 QUADRANGLE Big Isaac 7 1/2 UADIS 15'
 SURFACE OWNER Alva Birssey ACREAGE 23
 OIL & GAS ROYALTY OWNER Howard C Marks Heirs LEASE ACREAGE 23
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR NRM Petroleum Corp. DESIGNATED AGENT R. L. Hopkins
 ADDRESS Box 816 ADDRESS Box 816
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201

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



DEC 20 1979

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ Dept
LOCATION: Elevation: 960' Watershed: Traugh Fork
District: Greenbrier County: Doddridge Quadrangle: Big Isaac

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR NRM Petroleum Corporation DESIGNATED AGENT Rickard L. Hopkins
Address P.O. Box 816 Address P.O. Box 816
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Howard C. Marks Heirs COAL OPERATOR _____
Address Patterson Road Address _____
Salem, WV

Acresage 23 COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
SURFACE OWNER Alva Birssey Address _____
Address Rt. 3 Name _____
Salem, WV Address _____
Acresage 23

FIELD SALE (IF MADE) TO:
Name _____ Address _____
Address _____ Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett Address _____
Address 321 Beech Street Address _____
Clarksburg, WV 26301

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease ___ / other contract X / dated _____, 19____, to the undersigned well operator from Howard G. Marks Heirs to Mark Schumacher
[If said deed, lease, or other contract has been recorded:]

Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill X / 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 objection they 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 the receipt of this Application by the Department.

Copies of 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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

NRM PETROLEUM CORPORATION
Well Operator

By Bill Hall
Its Land Department

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Union Drilling Company
Address Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5350 feet Rotary Cable tools _____

Approximate water strata depths: Fresh, 65 feet; salt, _____ feet.

Approximate coal seam depths: 560-564 Is coal being mined in the area? Yes _____ No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8					1110	1110	Cement to	surface
Coal									Sizes
Intermediate									
Production	4 1/2						5350	225 sks.	Depths set
Tubing									
Liners									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-3, "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 § 22-4-3a 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 8-26-80.

John T. [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 _____