



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED
MAY 11 1981

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 6, 1981
Company AMAX PETROLEUM CORPORATION
Address 1300 West Belt, Houston, TX. 7704
Farm AMAX, INC. TR Acres 191.5
Location (waters) Laurel Run of Tygart Valley River
Well No. Gove #2 Elevation 2165
District Roaring Creek County Randolph
Quadrangle Ellamore, W.VA. 7.5 Minute

Surface Owner AMAX, INC.
Address AMAX CENTER, GREENWOCH, CT. 06830
Mineral Owner AMAX, INC.
Address (Same)
Coal Owner AMAX COAL COMPANY
Address 105 S. Meridian, Indianapolis, Ind. 46225
Coal Operator AMAX COAL COMPANY
Address (Same)

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 1-13-82.

Fred W. Burdette
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Robert Stewart
ADDRESS P.O. Box 345, Jane Lew, W. VA.
PHONE 304/884-7782 26378

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 April 3 19 80 by Amax Coal Company made to Amax Petroleum Corp. and recorded on the 12th day of May 19 80 in Randolph County, Book 330 Page 424
 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.

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

Very truly yours,
(Sign Name) AMAX PETROLEUM CORPORATION
Well Operator
1300 West Belt
Street
Houston
City or Town
Texas, 77042
State

BLANKET BOND

47-083-0464

03/15/2024

*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.

PERMIT NUMBER

"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 William S. Weser

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME W. M. Woodroe
 ADDRESS _____ ADDRESS Charleston National Plaza
 TELEPHONE _____ TELEPHONE 304/343-4841 Charleston, W.VA
 ESTIMATED DEPTH OF COMPLETED WELL: 5,500' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: ELK
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT PUT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	Conductor	40	Cmt. to surface
9 - 5/8			
8 - 5/8	Surface	1200	Cmt. to surface
7			
5 1/2			
4 1/2	Production	5500	500 Sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 45, 100, 170, 460, 715
 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 and 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 03/15/2024 this location providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virgin Code.

PERMIT BOND

For Coal Company

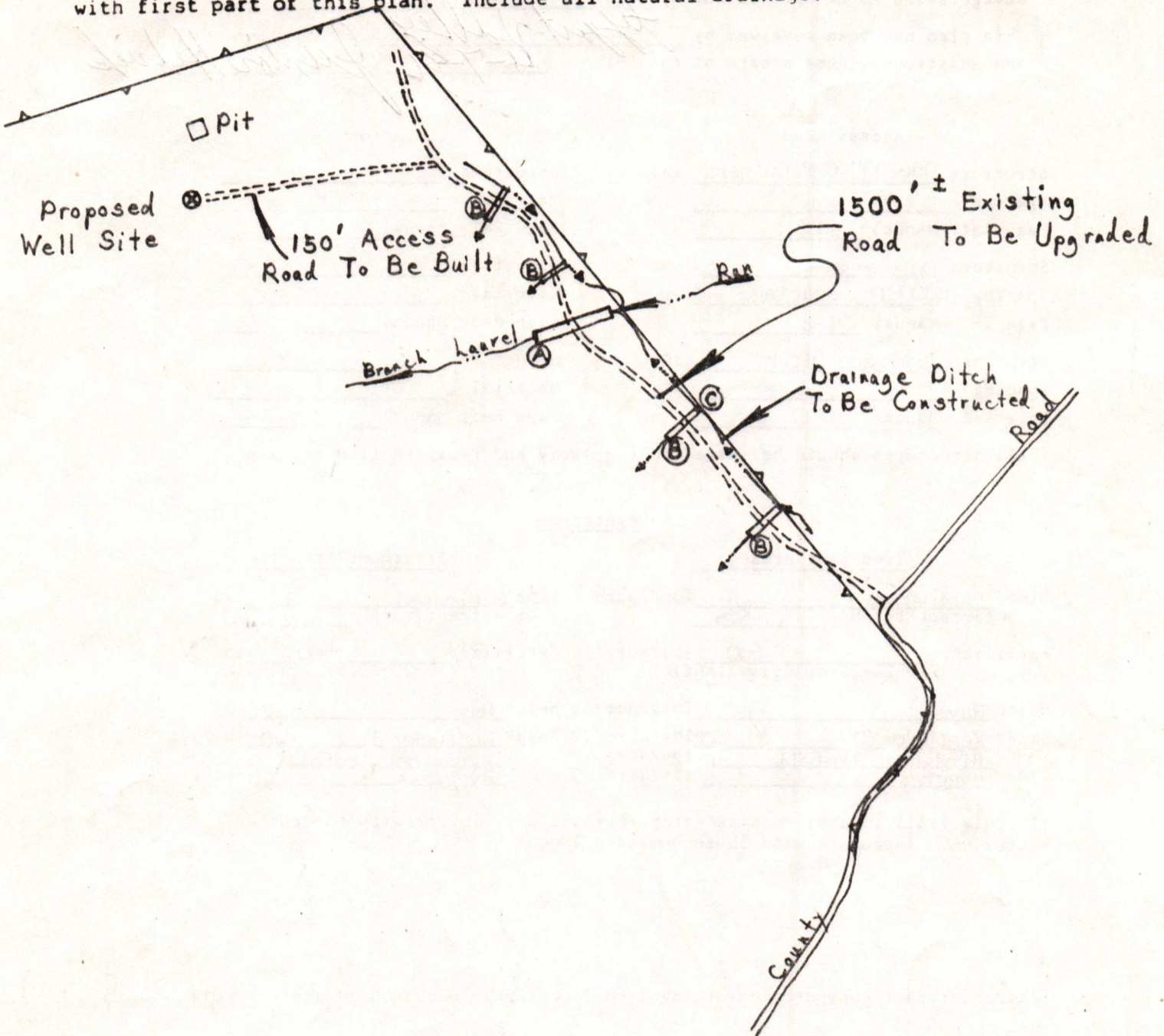
Official Title

Well Site Plan

- Legend:
- Property Boundry
 - Road
 - Existing Fence
 - Planned Fence
 - Stream
 - Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments:

- 1.) Disturbed area to be kept to a minimum.
- 2.) Cut slopes to be 2:1.
- 3.) New culverts to be at natural drain areas or at 300 ft. maximum spacings.
Ditches to be cut on uphill side where necessary.
- 4.) Timber to be cut, stacked and burned.

03/15/2024

Signature: Bill Weser
Agent

Address

713/978-7700
Phone Number

Request landowners cooperation to protect new seeding for one growing season.

RECEIVED
 Form IV-9
 (01-80)
 APR 15 1981
 OIL & GAS DIVISION
 DEPT. OF MINES

RECEIVED
 APR 6 1981
 Tygart Valley Soil
 Conservation District

Same location as Gore 2

Date _____
 Well No. M. Popich # 2
 API No. 47 - 083 - 0464
 State _____

STATE OF WEST VIRGINIA
 OFFICE OF OIL AND GAS

Company Name Amax Petroleum Corp. Designated Agent Bill Weser
 Address 1300 W. Belt, P.O. Box 42806 Address 1300 W. Belt, P.O. Box 42806
 Telephone Houston, Texas 77042 Telephone Houston, Texas 77042
 Landowner Amax, Inc. Soil Cons. District Tygart Valley SCD

Revegetation to be carried out by Amax Petroleum Corp. (Agent)

This plan has been reviewed by Tygart Valley SCD All corrections
 and additions become a part of this plan. 4-7-81 (Date) Junior Redick (SCD Agent)

Access Road	Location
Structure <u>One 30" CMP Culvert</u> (A)	Structure _____ (1)
Spacing _____	Material _____
Page Ref. Manual <u>I-8</u>	Page Ref. Manual _____
Structure <u>Culverts</u> (B)	Structure _____ (2)
Spacing <u>300 ft. spacing</u>	Material _____
Page Ref. Manual <u>I-8</u>	Page Ref. Manual _____
Structure <u>Drainage Ditch</u> (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual <u>I-11</u>	Page Ref. Manual _____



All structures should be inspected regularly and repaired if necessary.

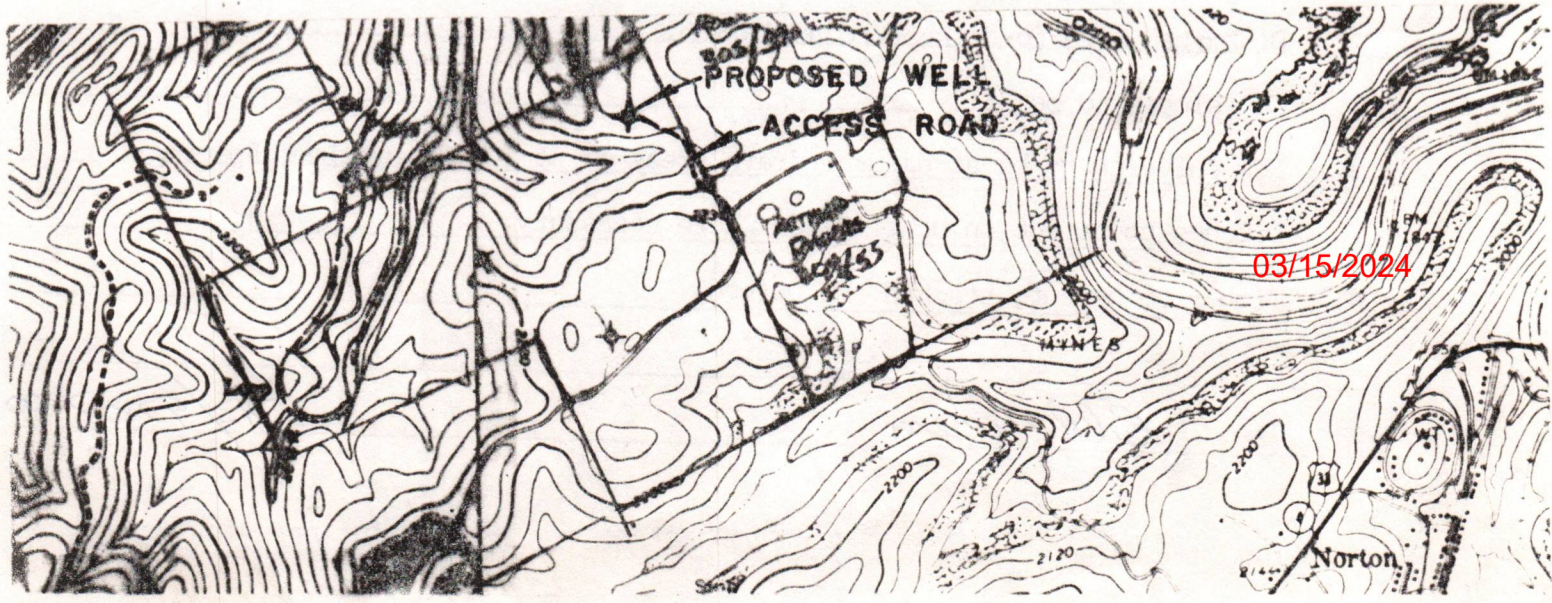
Revegetation

Treatment Area I	Treatment Area II
Lime <u>Estimated 3</u> Tons/acre or correct to pH <u>6.5</u>	Lime <u>Estimated 3</u> Tons/Acre or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>Hay 2</u> Tons/Acre	Mulch <u>Hay 2</u> Tons/Acre
Seed* <u>Kentucky 31 40</u> lbs/acre	Seed* <u>Kentucky 31 40</u> lbs/acre
<u>Birdsfoot Trefoil 10</u> lbs/acre	<u>Birdsfoot Trefoil 10</u> lbs/acre
<u>Ryegrass 10</u> lbs/acre	<u>Ryegrass 10</u> lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle Ellamore-7.5

Legend:  Well Site
 Access Road



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 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	Conductor	40	Cmt. to surface
9 - 5/8			
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3			Perf. Top
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APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 45,100,170,460,715
 IS COAL BEING MINED IN THE AREA? No. BY WHOM? _____

TO DRILL:

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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 AMAX Coal Company, division of AMAX Inc. Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the AMAX 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. 03/15/2024

AMAX Coal Company, a division of AMAX Inc.
 By Wayne D. Keelley
Attorney in fact
 Official Title



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 14 1981

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner AMAX, INC.
Address AMAX CENTER, GREENWOCH, CT. 06830
Mineral Owner AMAX, INC.
Address (Same)
Coal Owner AMAX COAL COMPANY
Address 105 S. Meridian, Indianapolis, Ind. 46225
Coal Operator AMAX COAL COMPANY
Address (Same)

DATE May 6, 1981
Company AMAX PETROLEUM CORPORATION
Address 1300 West Belt, Houston, TX. 77042
Farm AMAX, INC. TR Acres 191.5
Location (waters) Laurel Run of Tygart Valley River
Well No. Gove #2 Elevation 2165
District Roaring Creek County Randolph
Quadrangle Ellamore, W.VA. 7.5 Minute

Robert Stewart

INSPECTOR
TO BE NOTIFIED Robert Stewart
ADDRESS P.O. Box 345, Jane Lew, W. VA. 26378
PHONE 304/884-7782

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 April 3 19 80 by Amax Coal Company made to Amax Petroleum Corp. and recorded on the 12th day of May 19 80 in Randolph County, Book 330 Page 424
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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:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours,
(Sign Name) AMAX PETROLEUM CORPORATION
Well Operator
1300 West Belt
Street
Houston
City or Town
Texas, 77042
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.

"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 William H. Weser

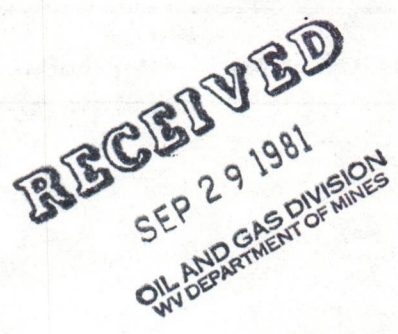
03/15/2024
Ran-464 PERMIT NUMBER
waiver

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Big Lime			1,348'	1,482'		
Sand & Shale			1,483'	1,489'		
Big Injun			1,490'	1,584'		
Sand & Shale			1,585'	1,603'		
Pocono			1,604'	1,629'		
Sand & Shale			1,630'	1,923'		
4th Sand			1,924'	1,950'		
Sand & Shale			1,951'	2,019'		
5th Sand			2,020'	2,034'		
Sand & Shale			2,035'	2,252'		
Speechly			2,253'	2,278'		
Sand & Shale			2,279'	2,625'		
Balltown			2,626'	2,636'		
Sand & Shale			2,637'	3,645'		
Riley			3,646'	3,678'		
Sand & Shale			3,679'	3,786'		
Benson			3,787'	3,800'		
Sand & Shale			3,801'	4,171'		
1st Elk			4,172'	4,190'		
Sand & Shale			4,191'	4,407'		
2nd Elk			4,408'	4,432'		
Sand & Shale			4,433'	4,937'		
Haverty			4,938'	4,984'		
Sand & Shale			4,985'	5,014'		
4th Elk			5,015'	5,074'		
Sand & Shale			5,075'	5,145'		
Fox			5,146'	5,155'		
Sand & Shale			5,156'	5,275'		
Total Depth				5,275'		

Date September 25, 03/15/2024 81

APPROVED AMAX Petroleum Corp. Owner

By Reggie Johnson
Reggie Johnson



State of West Virginia
Department of Mines
Oil and Gas Division
WELL RECORD

Well Type: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas", Production / Underground storage / Deep / Shallow /
Location: Elevation: 2,165' Watershed Laurel Run of Tygart Valley River
District: Roaring Creek County: Randolph Quadrangle: Ellamore, W.Va.
Well Operator AMAX Petroleum Corporation Designated Agent W. M. Woodroge 7.5 min.
Address 1300 West Belt Address Charleston National Plaza
Houston, Texas 77042 Charleston, W. Va. 25301

Permitted Work: Drill / Covert / Drill deeper / Redrill /
Fracture or stimulate / Plug off old formation /
Perforate new formation / Other physical change in well (specify) _____

Permit Issued on 5/13/81

Oil & Gas Inspector for This Work:
Name: Robert Stewart
Address: P. O. Box 345
Jane Lew, W. Va. 26378

Geological Target Formation: Elk Depth 5,200 feet
Depth of completed well, 5,275 feet Rotary / Cable Tools /
Water strata depth: Fresh 30 feet; Salt; _____ feet.
Coal seam depths: _____ Is coal being mined in the area? _____
Work was commenced 7/8/81, and completed 7/24/81

Casing and Tubing Program

Casing or Tubing Type	Size	Specifications		Footage Intervals		Cement Fill-Up Or Sacks (cubic feet)		
		Grade	Weight per ft	New	Used		For drilling	Left in well
Conductor	12 ³ / ₄			X		36'	36'	15 sx. Std. 1 sx. CaCl ₂
Fresh Water								
Coal								
Intermediate	8 ⁵ / ₈ "		23#/ft.	X		1,214'	1,214'	Cmt. to surf.
Production	4 ¹ / ₂ "		10.5#/ft	X		5,150'	5,150'	Cmt. to 1300'
Tubing								
Liners								

Well Treatment details:

Perf. Haverty @ 4,938'-50' w/1SPF. Frac'd w/250 gal 15% HCl + 120 bbls. gel & 15,000# 80/100 @ 22 BPM & 3,400#. Followed w/330 bbls. gel & 50,000# 20/40 @ 29 BPM & 3,200#. Perf. 2nd Elk @ 4,414'-27' w/1SPF. Frac'd w/500 gal. 15% HCl + 120 bbls. gel & 15,000# 80/100 @ 35 BPM & 2,600#. Followed w/325 bbls. gel & 50,000# 20/40 @ 39 BPM & 2,200#. Perf. Benson @ 3,788-98' w/1SPF. Frac'd w/500 gal. 15% HCl + 120 bbls. gel & 15,000# 80/100 @ 40 BPM & 2,300#. Followed w/325 bbls. gel & 50,000# 20/40 @ 44 BPM & 2,100#.

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, 03/15/2024 Bbl/d
Final open flow, 1160 Mcf/d Final open flow, _____ Bbl/d
Static Rock Pressure, 1,800 psig (surface measurement) after 72 hours shut in.

(Well log on reverse side)

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

INSPECTOR'S WELL REPORT

Permit No. 083-0464

Oil or Gas Well GAS
(KIND)

Company <u>AMAX PROD</u>	CASING AND TUBING	USED IN DRILLING	Left in well	PACKERS
Address <u>HOUSTON, TEXAS</u>	Size			
Farm <u>AMAX</u>	16			Kind of Packer
Well No. <u>Cove # 2</u>	13			
District <u>REARING CREEK</u> County <u>RAWDOLPH</u>	10			Size of
Drilling commenced <u>7-6-81</u>	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu. Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names RAY Resources RiG-14

Remarks:

Move RiG SPD

RECEIVED

JUL - 8 1981

OIL & GAS DIVISION
DEPT. OF MINES

7-6-81

DATE

Robert St... 03/15/2024

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner _____ Location _____ Amount _____ Packer _____ Location _____

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

03/15/2024

 DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 26 1983

INSPECTOR'S WELL REPORT

Permit No. 083-0464

OIL & GAS DIVISION
DEPT. OF MINES

Company <u>Amay Prod.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			
Address _____	16			Kind of Packer _____
Farm <u>Amay</u>	13			
Well No. <u>2</u>	10			Size of _____
District <u>Roaring Cr.</u> County <u>Randolph</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

can be released

July 23, 83
DATE

D. J. Tracy 571
03/15/2024
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

03/15/2024
DISTRICT WELL INSPECTOR



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

August 8, 1983

Amax Petroleum Corporation
1300 West Belt - P. O. Box 42806
Houston, Texas 77042

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RAN-0463	Amax, Inc. TR., Cove #1	Roaring Creek
RAN-0464	Amax, Inc. Tr., Cove #2	Roaring Creek
RAN-0465	Amax, Inc. Tr., Cove #3	Roaring Creek

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

MS/

03/15/2024

1.0 API well number: (If not available, leave blank. 14 digits.)		47-083-0464			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		103 Section of NGPA		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)		4950 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)		AMAX Petroleum Corporation Name P. O. Box 42806 Street Houston TX 77042 City State Zip Code		000446 Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)		Roaring Creek Field Name Randolph W. Va. County State			
(b) For OCS wells:		Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)		Gove #2			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)					
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)		Columbia Gas Transmission Corporation Name		004030 Buyer Code	
(b) Date of the contract:		030482 Mo. Day Yr.			
(c) Estimated annual production:		180 MMcf.			
		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)		2.634	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)		2.634	---	---	---
9.0 Person responsible for this application:		Norman B. Gove Senior Vice President Name Title <i>Norman B. Gove</i> Signature Amended May 7, 1982 December 9, 1981 Date Application is Completed (713) 978-7700 Phone Number			
Agency Use Only					
Date Received by Juris. Agency		DEC 14 1981			
Date Received by FERC					

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	—	New onshore production well
107	—	High cost natural gas
108	—	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

MAY 17 1982

BUYER-SELLER CODE

PARTICIPANTS:

DATE:

WELL OPERATOR:

AMAX Petroleum Corp.

000446

FIRST PURCHASER:

Columbia Gas Transmission

OTHER:

QUALIFIED

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

811214-103-083-0464

Use Above File Number on all Communications
Relating to Determination of this Well

Deferred for a complete well record
(2-4-85)
JG Huggins

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7.0 + 8.0 b,c,d
- 2. IV-1 Agent W. M. Woodroe
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____
- (5) Date commenced: 7-8-81 Date completed 7-24-81 Deepened _____
- (5) Production Depth: 4938-50, 4414-27, 3788-98
- (5) Production Formation: Haverly, 2nd Elk, Benson
- (5) Final Open Flow: 1160 MCF
- (5) After Frac. R. P. 1800^{###} 72 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report _____
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
03/15/2024
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

FS

Date December 9 1981

Gove #2
NGPA Sec. 103

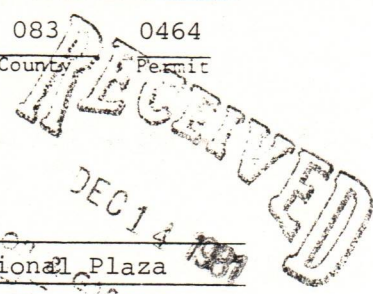
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's Well No. -
API Well No. 47 - 083 0464
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT W. M. Woodroe
ADDRESS Charleston National Plaza
Charleston, W. Va. 25301



WELL OPERATOR AMAX Petroleum Corporation
ADDRESS P. O. Box 42806
Houston, TX 77042

LOCATION: Elevation 2165'
Watershed Laurel Run of Tygart Valley River
Roaring Dist. Creek County Randolph Quad. Ellamore 7.5

GAS PURCHASER Cal. Gas Trans.
ADDRESS P.O. Box 1273
Chas WV 25325

Gas Purchase Contract No. *
Meter Chart Code -
Date of Contract *

* No contract has been finalized or sales made as of the date of this application.

* * * * *

Date surface drilling was begun: July 8, 1981

Indicate the bottom hole pressure of the well and explain how this was calculated:

BHP = 2015

PSI = Shut-in wellhead pressure in PSIA

BHP = PSI + $\frac{(0.01878) (PSI) (G) (L)}{TSI}$

G = Gas gravity (assuming 0.65)

L = Average length of flow string (feet)

PSI = 1815

TSI = Average shut-in well temperature (degrees R)

G = .65

L = 4944

TSI = 547

$\frac{BHT + 520}{2} = TSI$

AFFIDAVIT

BHT = degrees R absolute

I, Norman B. Gove, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Norman B. Gove

TEXAS
STATE OF ~~WEST VIRGINIA~~
COUNTY OF HARRIS, TO WIT:

I, Denise Rosenblum, a Notary Public in and for the state and county aforesaid, do certify that Norman B. Gove, whose name is signed to the writing above, bearing date the 9 day of December, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 10 day of December, 1981.

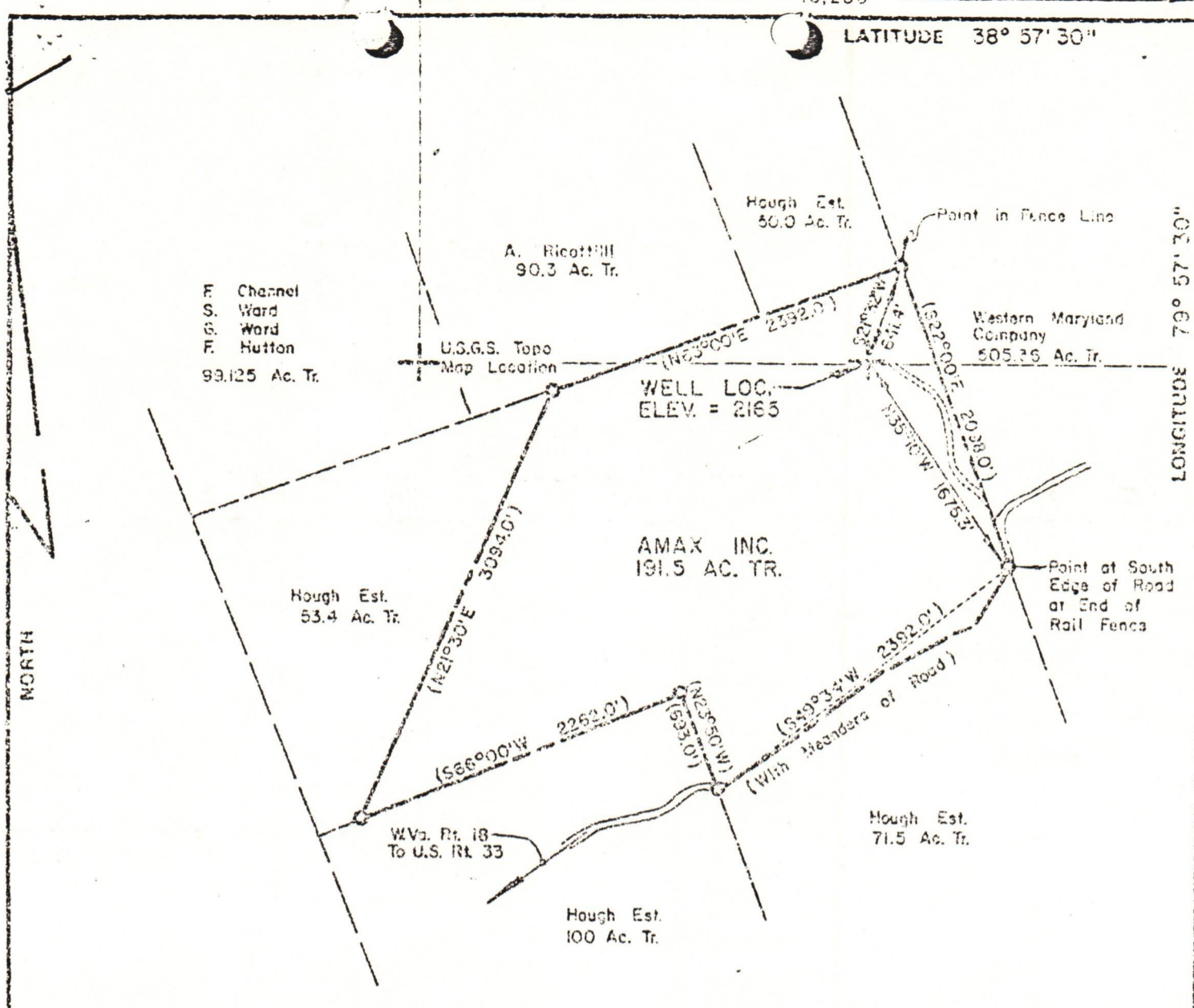
My term of office expires on the 10 day of November, 1985.

[NOTARIAL SEAL]

Denise Rosenblum
Notary Public

DENISE ROSENBLUM
Notary Public State of Texas
My Commission Expires November 10, 1985
Bonded by L. Alexander Lovett, Lawyers Surety Com.

03/15/2024



Amax Petroleum Inc.
 P.O. Box 42306
 Houston, Texas 77042

NOTE:
 Calls in (Parenthesis) are deed calls.
 Other calls are actual field surveys
 as of August 1980.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF
 ACCURACY 1 in 1500
 PROVEN SOURCE OF
 ELEVATION Pt. Road Intersection
 1/2 mi. SE Site Elev. = 2230

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF MINES
 (SIGNED) *William D. Swenson*
 R.P.E. 5953 L.L.S. 500



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



DATE March 20, 1981
 OPERATOR'S WELL NO. M. Popich # 2
 API WELL NO. _____
47 - Randolph - 0464
 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 2165 WATERSHED Laurel Run of Tygart Valley River
 DISTRICT Roaring Creek COUNTY Randolph
 QUADRANGLE Elamers, W.Va. 7.5 minute
 SURFACE OWNER Amax Inc. ACREAGE 191.5 acres
 OIL & GAS ROYALTY OWNER Amax Inc. LEASE ACREAGE 191.5 acres

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 03/15/2024

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Elk Sands ESTIMATED DEPTH 5500'
 WELL OPERATOR Amax Petroleum Corp. DESIGNATED AGENT Bill Weser
 ADDRESS 1300 West Belt - P.O. Box 42306 ADDRESS 1300 West Belt - P.O. Box 42306
Houston, Texas 77042 Houston, Texas 77042