

RECEIVED

APR 15 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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 APRIL 14, 1981

Surface Owner AMAX COAL COMPANY  
Address 105 S. MERIDIAN, INDIANAPOLIS, IND.  
Mineral Owner AMAX COAL COMPANY  
Address (SAME)  
Coal Owner AMAX COAL COMPANY  
Address (SAME)  
Coal Operator AMAX COAL COMPANY  
Address (SAME)

Company AMAX PETROLEUM CORPORATION  
Address 1300 WEST BELT, HOUSTON, TX  
Farm J. BROWN TR. Acres 127.36  
Location (waters) LAUREL CREEK OF MIDDLE FORK  
Well No. J. BROWN #1 Elevation 2402  
District ROARING CREEK County RANDOLPH  
Quadrangle ELLAMORE, W.VA., 7.5 MIN

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 12-27-81.

INSPECTOR  
TO BE NOTIFIED ROBERT STEWART  
ADDRESS P.O. BOX 345, JANE LEW, W.VA.  
26378  
PHONE 884-7782

J. J. Hargrett  
Deputy Director - Oil & Gas Division

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 1980 by AMAX COAL COMPANY made to AMAX PETROLEUM CORP. and recorded on the 12th day of MAY 1980 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

\*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.

03/15/2024

47-083-0452

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 J. Hester

**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 \_\_\_\_\_ NAME   W.M. WOODROE    
 ADDRESS \_\_\_\_\_ ADDRESS   CHARLESTON NATIONAL PLAZA    
 TELEPHONE \_\_\_\_\_ TELEPHONE   CHARLESTON, W. VA.    
 ESTIMATED DEPTH OF COMPLETED WELL:   5500   ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION:   ELK    
 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 FILL 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 or as reqd.
3			Perf. Top <i>by rule 15'0'</i>
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS   100   FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS   200, 350, 750   \_\_\_\_\_  
 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. 03/15/2024

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title

**RECEIVED**  
 Form IV-9  
 (01-80)  
 APR 15 1981

**RECEIVED**  
 APR 6 1981  
 Tygart Valley Soil  
 Conservation District

Date \_\_\_\_\_  
 Well No. John Brown # 1  
 API No. 47 - 083 - 0452  
 State \_\_\_\_\_ County \_\_\_\_\_

OIL & GAS DIVISION  
 DEPT. OF MINES

STATE OF WEST VIRGINIA  
 OFFICE OF OIL AND GAS

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

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

This plan has been received by Tygart Valley SCD. All corrections and additions become a part of this plan. 11-7-81 (Date) Junior Hedrick (SCD Agent)

Access Road	Location
Structure <u>Culverts</u> (A)	Structure _____ (1)
Spacing <u>300' Spacing</u>	Material _____
Page Ref. Manual <u>1-8</u>	Page Ref. Manual _____
Structure <u>Drainage Ditch</u> (B)	Structure _____ (2)
Spacing _____	Material _____
Page Ref. Manual <u>1-11</u>	Page Ref. Manual _____
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary.

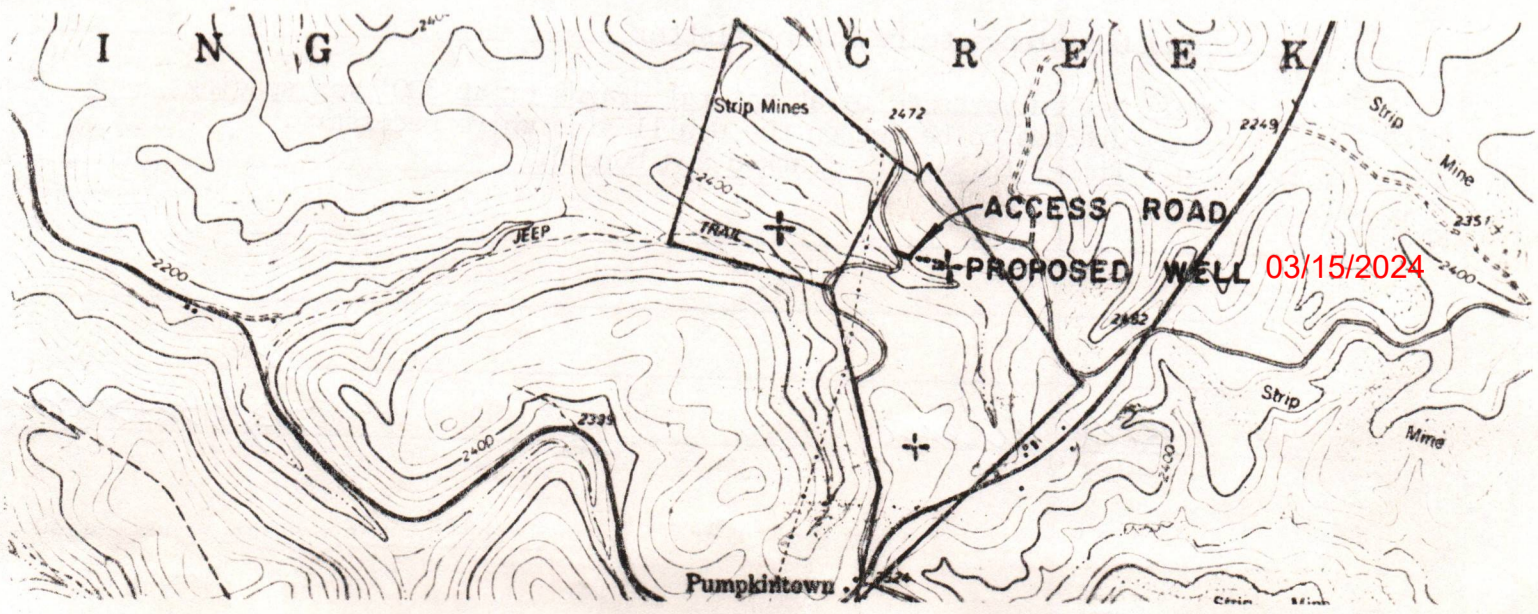
Revegetation

Treatment Area I			Treatment Area II		
Lime <u>Estimated</u> <u>3</u> Tons/acre	Lime <u>Estimated</u> <u>3</u> Tons/acre	or correct to pH <u>6.5</u>	Lime <u>Estimated</u> <u>3</u> Tons/acre	or correct to pH <u>6.5</u>	
Fertilizer <u>600</u> lbs/acre	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</u> <u>2</u> Tons/Acre	Mulch <u>Hay</u> <u>2</u> Tons/Acre		Mulch <u>Hay</u> <u>2</u> Tons/Acre		
Seed* <u>Kentucky 31</u> <u>40</u> lbs/acre	Seed* <u>Kentucky 31</u> <u>40</u> lbs/acre		Seed* <u>Kentucky 31</u> <u>40</u> lbs/acre		
<u>Birdsfoot Trefoil</u> <u>10</u> lbs/acre	<u>Birdsfoot Trefoil</u> <u>10</u> lbs/acre		<u>Birdsfoot Trefoil</u> <u>10</u> lbs/acre		
<u>Ryegrass</u> <u>10</u> lbs/acre	<u>Ryegrass</u> <u>10</u> lbs/acre		<u>Ryegrass</u> <u>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 1/2

Legend:  Well Site  
 Access Road

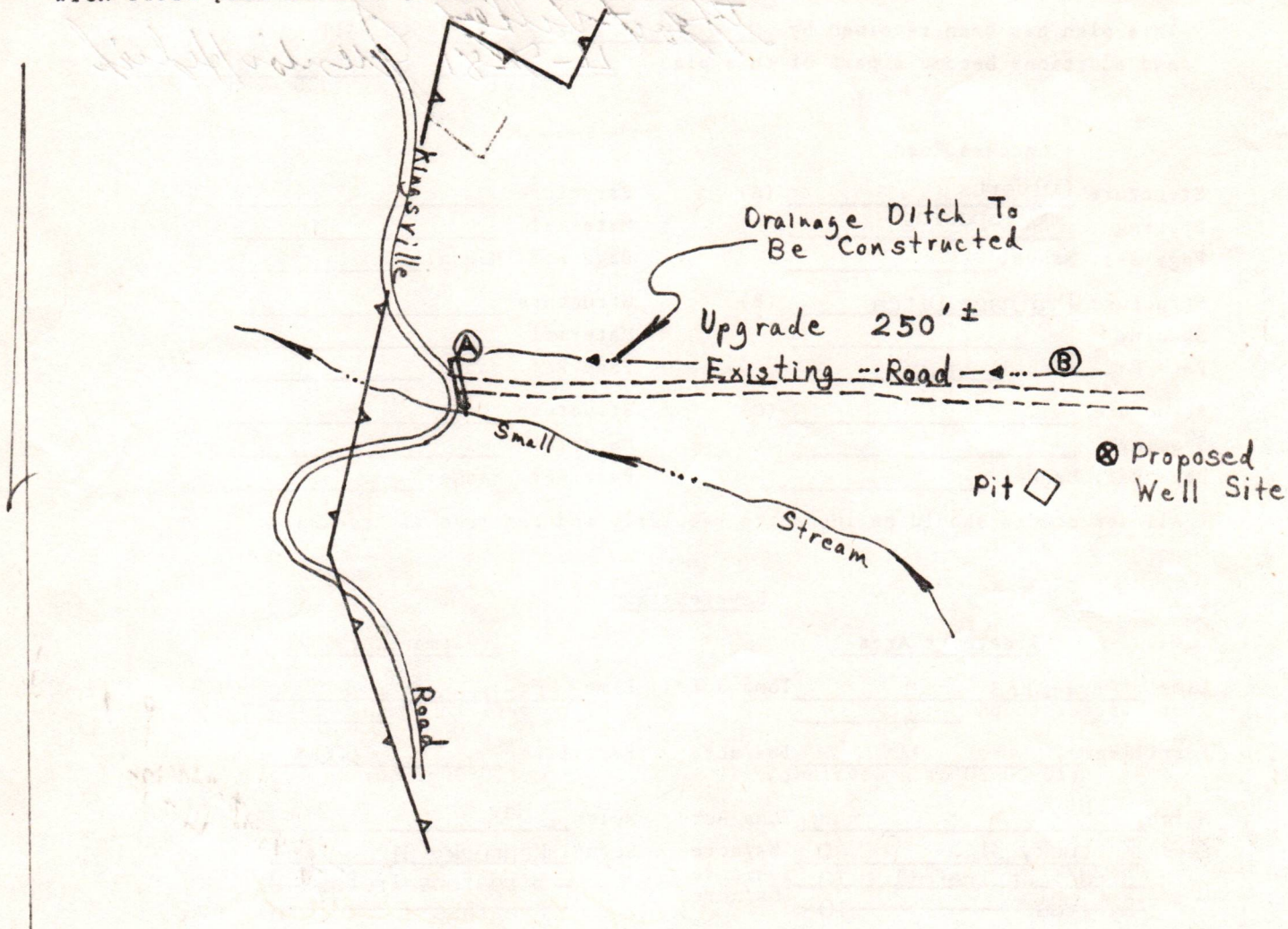


Well Site Plan

- Legend:
- Property Boundary
  - 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 or flatter
  - 3.) New culverts to be at natural drains or at 300' max spacing ditches to be cut on the uphill side where necessary.
  - 4.) Timber to be cut, stacked and burned.

03/15/2024

Signature: Bill Weser Agent      Address: \_\_\_\_\_      Phone Number: 713/978-7700

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

RECEIVED

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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 \_\_\_\_\_

NAME W.M. WOODROE

ADDRESS \_\_\_\_\_

ADDRESS CHARLESTON NATIONAL PLAZA

TELEPHONE \_\_\_\_\_

TELEPHONE CHARLESTON, W. VA.

ESTIMATED DEPTH OF COMPLETED WELL: 5500

ROTARY X CABLE TOOLS (304) 343-4841

PROPOSED GEOLOGICAL FORMATION: ELK

TYPE OF WELL: OIL \_\_\_\_\_ GAS X COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_

RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT 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 100 FEET SALT WATER \_\_\_\_\_ FEET

APPROXIMATE COAL DEPTHS 200, 350, 750

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.

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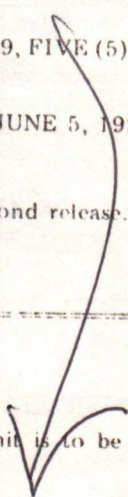
*Waiver*

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WAIVER: I the undersigned, Agent for AMAX 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 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

*Handwritten signature*  
AMAX Inc. for  
AMAX Coal Company  
Division

For Coal Company  
By *Handwritten signature*  
Attorney in fact  
Official Title



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

APR 22 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.

DATE APRIL 14, 1981

Surface Owner AMAX COAL COMPANY  
Address 105 S. MERIDIAN, INDIANAPOLIS, IND  
Mineral Owner AMAX COAL COMPANY  
Address (SAME)  
Coal Owner AMAX COAL COMPANY  
Address (SAME)  
Coal Operator AMAX COAL COMPANY  
Address (SAME)

Company AMAX PETROLEUM CORPORATION  
Address 1300 WEST BELT, HOUSTON, TX  
Farm J. BROWN TR. Acres 127.36  
Location (watershed) LAUREL CREEK OF MIDDLE FORK  
Well No. J. BROWN #1 Elevation 2402  
District ROARING CREEK County RANDOLPH  
Quadrangle WILLAMORE, W. VA., 7.5 MIN

*filed back only*

INSPECTOR  
TO BE NOTIFIED ROBERT STWEART  
ADDRESS P.O. BOX 345, JANE LEW, W.VA.  
PHONE 884-7782 26398

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 1980 by AMAX COAL COMPANY made to AMAX PETROLEUM CORP. and recorded on the 12th day of MAY 1980 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.

Very truly yours,  
(Sign Name) AMAX PETROLEUM 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

1300 WEST BELT  
Street  
HOUSTON  
City or Town  
TEXAS 77042  
State

*Handwritten signature*

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.

BLANKET BOND

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 E. [Signature]

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

INSPECTOR'S WELL REPORT

Permit No. 083-0452

Oil or Gas Well Gas  
(KIND)

Company <u>ANAX PROD</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>HOUSTON TEXAS</u>	Size		
Farm <u>ANAX COAL</u>	16			
Well No. <u>J. BROWN #</u>	13			Size of
District <u>REARING CREEK</u> County <u>RANDOLPH</u>	10			
Drilling commenced <u>5-8-81</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

**RECEIVED**  
MAY 11 1981

Remarks: Move Rig SPD

OIL & GAS DIVISION  
DEPT. OF MINES

5-8-81  
DATE

Robert Stank 511  
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: \_\_\_\_\_

RECEIVED  
 DEPT. OF MINES  
 OIL & GAS DIVISION

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



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

RECEIVED

MAY 19 1981

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES  
Oil or Gas Well GAS

Permit No. 083-0452

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

Drillers' Names RAY Resources Rig 14

Remarks: Move Rig SPUD

5-16-81  
DATE

Robert Stewart  
DISTRICT INSPECTOR

03/15/2024

STATE OF TEXAS  
**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			
	CEMENT-THICKNESS	WOOD-SIZE			BRIDGES	RECOVERED	SIZE	LOST
PLUGS USED AND DEPTH PLACED						CASING AND TUBING		
			LEAD	CONSTRUCTION				

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

hereby certify I visited the \_\_\_\_\_ well on this date

DATE

DISTRICT WELL INSPECTOR  
 03/15/2024

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

INSPECTOR'S WELL REPORT

Permit No. 083-0452

Oil or Gas Well GAS  
(KIND)

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

Drillers' Names \_\_\_\_\_

Remarks:

OK To Release

RECEIVED

NOV 3 - 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

10-30-82

DATE

Robert Stewart

03/15/2024

511

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: \_\_\_\_\_

*SEARCHED*

\_\_\_\_\_  
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

January 6, 1983

Amax Petroleum Corp.  
 P. O. Box 42806  
 Houston, Texas 77042

Dear Sir:

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 NO.</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RAN-0356	B. Hamilton Farm, Parks #1 Well	Roaring Creek
RAN-0357	B. Hamilton Farm, Parks #2 Well	Roaring Creek
RAN-0452	J. Brown Farm, Crowl #1 Well	Roaring Creek
RAN-0453	J. Brown Farm, Crowl #2 Well	Roaring Creek
RAN-0454	J. T. Cain Farm, Crowl #3 Well	Roaring Creek

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0452			
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.)	5031 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.)	Crowl No. 1 <i>Our records show</i>			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<i>J. Brown #1</i>			
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:	03 10 14 82 Mo. Day Yr.			
(c) Estimated annual production:	180 MMcf.			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU) 2.634	(b) Tax ---	(c) All Other Prices [Indicate (+) or (-).] ---	(d) Total of (a), (b) and (c) ---
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				
Date Received by FERC				

DEC 14 1981

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:

PARTICIPANTS:

WELL OPERATOR:

DATE: MAY 17 1982  
AMAX Petroleum Corp.

BUYER-SELLER CODE

000446

FIRST PURCHASER:

Columbia Gas Transmission

OTHER:

**QUALIFIED**

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

811214-103-083-0452

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

*Referred for a complete well record (2-4-88)*  
*[Signature]*

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: 5-17-81 Date completed 6-5-81 Deepened \_\_\_\_\_
- (5) Production Depth: 5022-31, 4924-39, 4232-45, 3804-9, 3611-19
- (5) Production Formation: 4<sup>th</sup> Elk, Haverly, 2<sup>nd</sup> Elk, Benson, Riley
- (5) Final Open Flow: 725 MCF
- (5) After Frac. R. P. 1700<sup>###</sup> 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
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

03/15/2024

FS



Date December 9, 19 81

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

Operator's Well No. \_\_\_\_\_  
API Well No. 47 - 083 0452  
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

LOCATION: Elevation 2402'

ADDRESS P. O. Box 42806  
Houston, Texas 77042

Watershed Laurel Creek of Middle Fork River  
Roaring  
Dist. Creek County Randolph Quad. Ellamore 7.5

GAS PURCHASER Col. Gas Transmission

Gas Purchase Contract No. \*

ADDRESS \*

Meter Chart Code -

ADDRESS \*

Date of Contract \*

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

Date surface drilling was begun: May 17, 1981

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

BHP = 1907

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)

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

PSI = 1715

G = .65

L = 5027

TSI = 547

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

BHT = degrees R absolute

AFFIDAVIT

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, 19 81, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 10 day of December, 19 81.

My term of office expires on the 10 day of November, 19 85.

[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 Corp.

03/15/2024

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Big Lime			1,234'	1,296'		
Sand & Shale			1,297'	1,341'		
Big Injun			1,342'	1,474'		
Sand & Shale			1,475'	1,619'		
Pocono			1,620'	1,636'		
Sand & Shale			1,637'	1,939'		
4th Sand			1,940'	1,982'		
Sand & Shale			1,983'	2,098'		
5th Sand			2,099'	2,120'		
Sand & Shale			2,121'	2,361'		
Speechly			2,362'	2,377'		
Sand & Shale			2,378'	2,401'		
Balltown			2,402'	2,413'		
Sand & Shale			2,414'	3,609'		
Riley			3,610'	3,649'		
Sand & Shale			3,650'	3,746'		
Benson			3,747'	3,814'		
Sand & shale			3,815'	4,123'		
1st Elk			4,124'	4,148'		
Sand & Shale			4,149'	4,231'		
2nd Elk			4,232'	4,236'		
Sand & Shale			4,237'	4,923'		
Haverty			4,924'	4,946'		
Sand & Shale			4,947'	5,020'		
4th Elk			5,021'	5,040'		
Sand & Shale			5,041'	5,132'		
Fox			5,133'	5,144'		
Sand & Shale			5,145'	5,300'		
Total Depth				5,300'		

Date August 26 <sup>03/15/2024</sup> , 19 81

APPROVED AMAX Petroleum Corp. Owner

By Reggie Johnson  
Reggie Johnson

**RECEIVED**

AUG 31 1981 State of West Virginia

OIL AND GAS DIVISION Department of Mines  
WV 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: 2,402' Watershed Laurel Creek of Middle Fork River

District: Roaring Creek County: Randolph Quadrangle: Ellamore, W. Va. 7.5 min.

Well Operator AMAX Petroleum Corporation Designated Agent W. M. Woodroe  
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  /  
Peforate new formation  / Other physical change in well (specify) \_\_\_\_\_

Permit Issued on 4/27/81

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

Geological Target Formation: Elk Depth 5,300 feet  
Depth of completed well, 5,300 feet Rotary  / Cable Tools  /  
Water strata depth: Fresh 25 feet; Salt; \_\_\_\_\_ feet.  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? \_\_\_\_\_  
Work was commenced 5/17/81, and completed 6/5/81

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 <sup>3</sup> / <sub>4</sub> "			X		30'	30'	15 sx. Std. 1 sx. CaCl <sub>2</sub>
Fresh Water								
Coal								
Intermediate	8 <sup>5</sup> / <sub>8</sub> "		23#/ft.	X		1124'	1124'	Cmt. to surf.
Production	4 <sup>1</sup> / <sub>2</sub> "		10.5#/ft	X		5264'	5264'	Cmt. to 1600'
Tubing								
Liners								

Well Treatment details:

Perf. 4th Elk 5,022'-31' w/lSPF. Frac'd w/250 gal. 15% HCl + 120 bbls. gel & 15,000# 80/100 @ 25 BPM & 3,400#. Followed w/220 bbls. gel + 40,000# 20/40 @ 27 BPM & 3,150#. Perf. Haverty @ 4,924'-39' w/lSPF. Frac'd w/500 gal. 15% HCl + 120 bbls. gel & 15,000# 80/100 @ 30 BPM & 3,000#. Followed w/335 bbls. gel & 50,000# 20/40 @ 33 BPM & 2,700#. Perf. 2nd Elk @ 4,232'-45' w/lSPF. Frac'd w/ 500 gal 15% HCl + 120 bbls. gel & 15,000# 80/100 @ 29 BPM & 3,100#. Followed w/ 265 bbls. gel & 40,000 20/40 @ 35 BPM & 2,700'. Perf. Benson @ 3,804'-09', 3,781'-87', 3,751'-60' & Riley @ 3,611'-19' w/lSPF. Frac'd w/ ~~1500~~ 15% HCL  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Final open flow, 725 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Static Rock Pressure, 1,700 psig (surface measurement) after 72 hours shut in.

+ 120 bbls. gel & 15,000# 80/100 @ 42 BPM & 2,100#. Followed w/290 bbls. gel & 40,000# 20/40 @ 46 BPM & 2,000#.

(Well log on reverse side)