



1) Date: October 10, 1984
 2) Operator's Well No. Avis #1
 3) API Well No. 47 - 045 - 1093
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
 5) LOCATION: Elevation: 982.07' Watershed: Guyandotte
 District: Logan County: Logan Quadrangle: Logan
 6) WELL OPERATOR TXO Production Corp. 7) DESIGNATED AGENT Ken Tatarzyn
 Address 900 Charleston National Plaza Address 900 Charleston National Plaza
Charleston, WV 25301 Charleston, WV 25301
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Arthur St. Clair Name _____
 Address P. O. Box 157 Address _____
Brenton, WV 24818
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Berea
 12) Estimated depth of completed well, 3400' feet
 13) Approximate trata depths: Fresh, 200 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

15) 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	13-3/8					20	20	By reg. 15.05	Kinds
Fresh water									
Coal	9-5/8	J55	36			250	250	By reg. 15.05	Sizes
Intermediate	7	J55	23			2250	2250	By reg. 15.05	Depths
Production	4-1/2	J55	10.5			3400	3400	By reg. 15.05	Perforations
Tubing									Top Bottom
Liners									

RECEIVED
OIL & GAS DIV
DEPT. OF MINES
OCT 18 1984

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-045-1093 Date November 26, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires November 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>154</u>	Agent: <u>TS</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>43896</u>
------------------	------------------	-----------------	-------------------	-------------------

Margaret J. Hesse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) Well No. _____ State _____ County _____

2) LOCATION: B (Oil & Gas) Production / Shallow / Deep _____

3) WELL OPERATOR AND PRODUCTION CO. _____

4) OIL & GAS INSPECTOR TO BE NOTIFIED: _____

5) PROPOSED WELL WORK: _____

6) GEOLOGICAL TARGET FORMATION: _____

7) APPROXIMATE COAL SEAM DEPTHS: _____

8) CASINO AND TUBING PROGRAM: _____

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	" "
Completion of the drilling process	" "
Well Record received	" "
Reclamation completed	" "

OTHER INSPECTIONS

Reason: _____

Reason: _____

RECEIVED
 DEPT. OF MINES
 OIL & GAS DIV.
 NOV 1 2 1988



OCT 4 1984

IV-9
(Rev 8-81)

DATE October 1, 1984

WELL NO. Avis No. 1

State of West Virginia API NO. 47-045-1093

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME TXO Production Corp. DESIGNATED AGENT Larry M. Albrecht
 Address 900 Charleston Ntl Plaza Address 900 Charleston Ntl Plaza
Charleston, W. VA. 25301 Charleston, W. VA. 25301
 Telephone (304) 345-2610 Telephone (304) 345-2610

LANDOWNER Avis Heirs SOIL CONS. DISTRICT Guyan
 Revegetation to be carried out by TXO Production Corp., - Larry M. Albrecht (Agent)

This plan has been reviewed by Guyan SCD. All corrections and additions become a part of this plan: 10-12-84

(Date)

Louise R. Doherty
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Existing Road-No culvert(A)
Spacing required

Structure Existing Levels Bench (1)

Spacing N/A

Material Earth and Rock

Page Ref. Manual _____

Page Ref. Manual _____

Structure _____ (B)

Structure **RECEIVED** (2)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual Oct 18 1984

Structure _____ (C)

Structure **OIL & GAS DIV. DEPT. OF MINES** (3)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual 2:16 2:17

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime 2 X Tons/acre
or correct to pH 5.5-7.0

Lime 2 Tons/acre
or correct to pH _____

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Mulch Hay or straw 2 Tons/acre

Seed* Ky-31 Tall Tes 25 lbs/acre

Seed* Ky 31 25 lbs/acre

Perennial Rye 12 1/2 lbs/acre

Per Rye 12 1/2 lbs/acre

Annual Rye 12 1/2 lbs/acre

A " 12 1/2 lbs/acre

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

PLAN PREPARED BY Appalachian Surveys, Inc. 12/29/2023

NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ADDRESS P. O. Box 390

Lyburn, W. Va. 25632

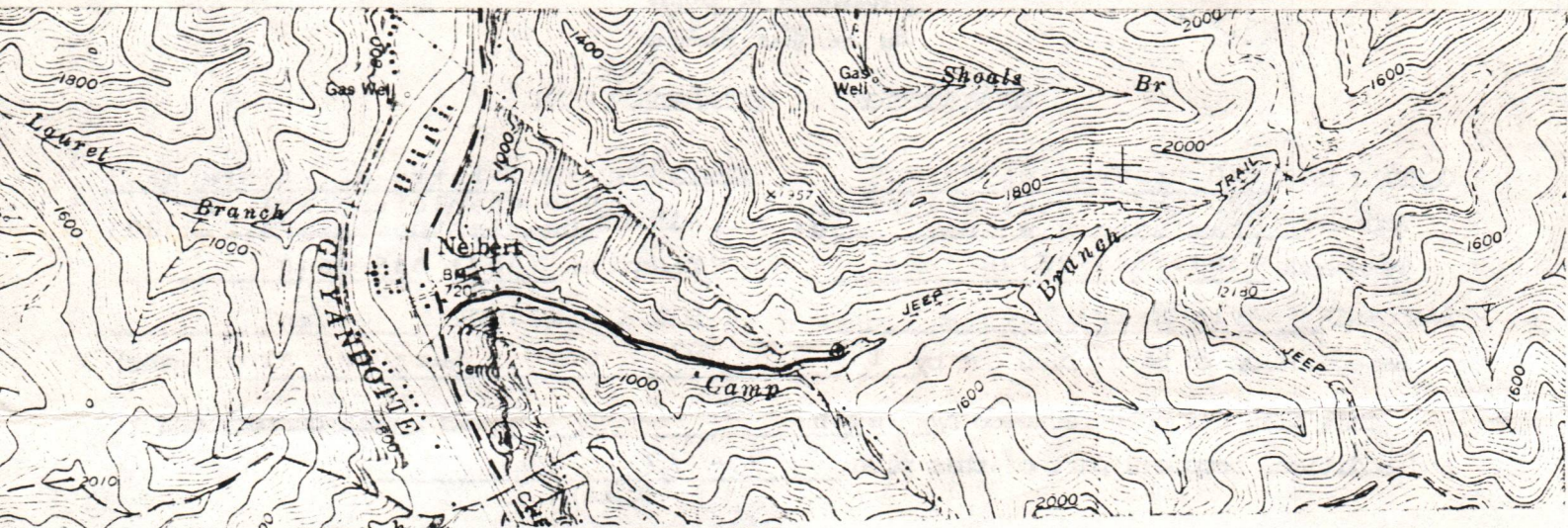
PHONE NO. (304) 752-1086

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE LOGAN

LEGEND

Well Site ⊕

Access Road ———

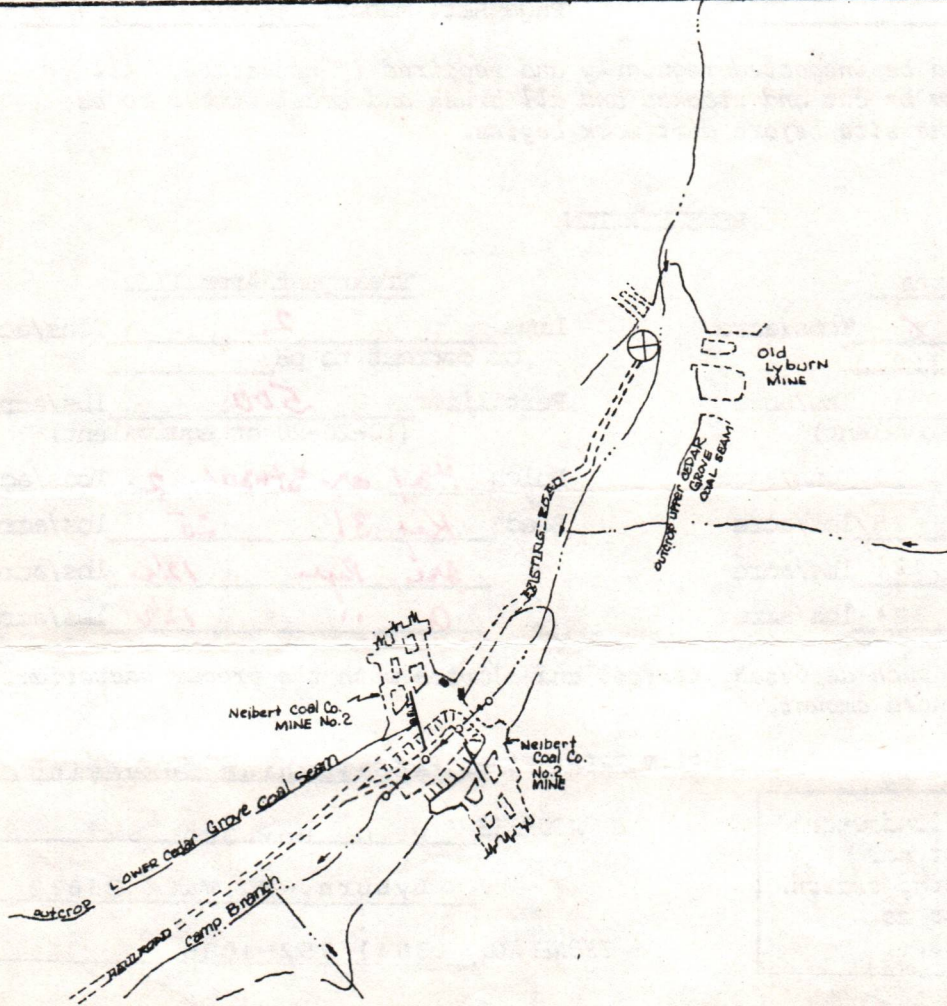


WELL SITE PLAN

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

LEGEND

Property boundary ————	Diversion ————
Road = = = = =	Spring ⊕ →
Existing fence — x — x —	Wet spot ⊕
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ —
Open ditch — ···· →	Waterway ← = = = =



12/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Dale Wiley
Address 6426 Buckhill Road
Richmond, VA 23225
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR John Galt Limited
Address Drawer 387
Gilbert, WV 25621
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

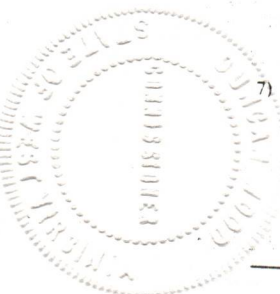
The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Duncan Wood KEN TATARZYN,
this 14 day of OCTOBER, 19 84.
My commission expires 9-7, 19 84.

Duncan Wood
Notary Public, Commissioner County,
State of West Virginia

WELL
OPERATOR TXO Production Corp.
By Kenneth Tatarzyn
Its Agent
Address 900 Charleston National Plaza
Charleston, WV 25301
Telephone 345-2610

RECEIVED
OCT 19 1984
OIL & GAS DIV.
DEPT. OF MINES



I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Dale Wiley, et al	TXO Production Corp.	1/8	34	565

12/29/2023



1) Date: October 10, 1984
 2) Operator's Well No. Avis #1
 3) API Well No. 47 State _____ County _____ Permit _____

**STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil _____ / Gas X _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X _____)
- 5) LOCATION: Elevation: 982.07' Watershed: Guyandotte
 District: Logan County: Logan Quadrangle: Logan
- 6) WELL OPERATOR TXO Production Corp. 7) DESIGNATED AGENT Ken Taterzyn
 Address 900 Charleston National Plaza Address 900 Charleston National Plaza
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Arthur St. Clair Name _____
 Address P. O. Box 187 Address _____
Brenton, WV 24818
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea
 12) Estimated depth of completed well, 3400' feet
 13) Approximate strata depths: Fresh, 200 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes X / No _____
- 15) 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	<u>3-3/8</u>								
Fresh water						<u>20</u>	<u>20</u>	<u>15.0</u>	
Coal	<u>5/8</u>	<u>J55</u>	<u>36</u>			<u>250</u>	<u>250</u>	<u>15.0</u>	
Intermediate	<u>7</u>	<u>J55</u>	<u>23</u>			<u>2250</u>	<u>2250</u>	<u>15.0</u>	
Production	<u>1-1/2</u>	<u>J55</u>	<u>10.5</u>			<u>3400</u>	<u>3400</u>	<u>15.0</u>	
Tubing									
Liners									

DEPT. OF MINES
 OIL & GAS DIVISION
 RECEIVED
 OCT 22 1984
 Kinds
 Sizes
 Depths set
 Perforations:
 Top
 Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)

X Dale Wiley Date: 10/16/84
 (Signature)
 _____ Date: _____
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



1) Date: October 10, 19 84
 2) Operator's Well No. Avia #1
 3) API Well No. 47
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X _____)
- 5) LOCATION: Elevation: 982.07' Watershed: Guyandotte
 District: Logan County: Logan Quadrangle: Logan
- 6) WELL OPERATOR TXO Production Corp. 7) DESIGNATED AGENT Ken Tatarsyn
 Address 900 Charleston National Plaza Address 900 Charleston National Plaza
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Arthur St. Clair Name _____
 Address P. O. Box 157 Address _____
Brenton, WV 24918 50375
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea
 12) Estimated depth of completed well, 3400' feet
 13) Approximate strata depths: Fresh, 200 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes X / No _____
- 15) 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	<u>13-3/8</u>					<u>20</u>	<u>20</u>	<u>By reg. 15.00</u>	Kinds
Fresh water									
Coal	<u>9-5/8</u>	<u>J55</u>	<u>36</u>			<u>250</u>	<u>250</u>	<u>By reg. 15.00</u>	Sizes
Intermediate	<u>7</u>	<u>J55</u>	<u>23</u>			<u>2250</u>	<u>2250</u>	<u>By reg. 15.00</u>	
Production	<u>4-1/2</u>	<u>J55</u>	<u>10.5</u>			<u>3400</u>	<u>3400</u>	<u>By reg. 15.00</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

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 the filing of the Application.

WAIVER

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: October 12, 19 84

43896
 John Galt, LTD
 By _____
 Its Sec Treas

12/29/2023
 Coal Owner

TXO PRODUCTION CORP.

900 CHARLESTON NATIONAL PLAZA
CHARLESTON, WEST VIRGINIA 25301

304/345-2610

October 15, 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Elkay Mining Company
P. O. Box 459
Lyburn, WV 25632

ATTN: E. M. Cope, Chief Engineer

RE: Chauncey Prospect (84-D-2514)
Proposed Location TXO-Avis #1
Logan County, West Virginia

RECEIVED

OCT 18 1984

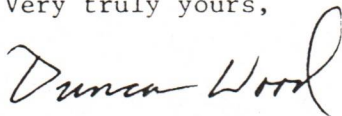
**OIL & GAS DIV.
DEPT. OF MINES**

Dear Mr. Cope:

Pursuant to our conversation of Friday, October 12, 1984 and the requirements of the State of West Virginia as to notification of coal operators prior to oil and/or gas drilling operations, I have enclosed a copy of the plat indicating the proposed location of TXO's Avis #1 gas well and copies of the drilling work permit package with a waiver of non-objection for your execution. Please have your department evaluate said location and determine if it will interfere with any past, present or proposed future mining operations in the area.

Thank you for your cooperation in this matter. Should you need any further information, please call me at (304) 345-2610.

Very truly yours,



Duncan Wood

LDK

PS Form 3800, Feb. 1982

D522 136 464

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Santo Elkay Mining Co.	
Street and No.	
P. O. Box 459	
P.O., State and ZIP Code	
Lyburn, WV 25632	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

12/29/2023

RECEIVED

OCT 10 1934
OIL & GAS DIV.
DEPT. OF MINES

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 045 - 1093 -			
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.)	3014 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	TXO Production Corp.			Seller Code
	Name 600 Charleston National Plaza			
	Street Charleston WV 25301			
	City State Zip Code			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Manbar			
	Field Name			
	Logan WV			
	County State			
(b) For OCS wells	Area Name		Block Number	
	Date of Lease		OCS Lease Number	
	Mo.	Day	Yr.	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Avis #1			
(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.)	Hope Gas, Inc.			
	Name Buyer Code			
(b) Date of the contract:	10 19 11 12 18 15 J			
	Mo. Day Yr.			
(c) Estimated total annual production from the well:	36.5 Million Cubic Feet			
		(a) Base Price	(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.)	S/MMBTU	2 4 5 /MCF	2 . 4 5 /MCF
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3 0 4 7	3 . 0 4 7
9.0 Person responsible for this application:	Kenneth W. Tatarzyn Drlg & Prod Manager			
	Name			Title
	Kenneth W. Tatarzyn <i>[Signature]</i>			
	Signature			345-2610
	Nov. 21, 1985			Phone Number
	Date Application is Completed			

RECEIVED
NOV 21 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FERC-121 (8-82)

12/29/2023

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DEC 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Nov. 21, 19 85

50375

AGENCY USE ONLY

Applicant's Name: TXO Production Corp.

Address: 600 Charleston National Plaza
Charleston, WV 25301

Gas Purchaser Contract No. 9034

Date of Contract: September 12, 1985
(Month, day and year)

First Purchaser: Hope Gas, Inc.

P637

Address: P. O. Box 2868
(Street or P.O. Box)
Clarksburg WV 26301
(City) (State) (Zip Code)

FERC Seller Code _____

WELL DETERMINATION FILE NUMBER
851121-1030-045-1093
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Kenneth W. Tatarzyn

Address: 600 Charleston National Plaza
Charleston, WV 25301

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Kenneth W. Tatarzyn Drilling & Production Manager
(Print) (Title)

Signature: Kenneth W. Tatarzyn

Address: 600 Charleston National Plaza
(Street or P.O. Box)
Charleston WV 25301
(City) (State) (Zip Code)

Telephone: 304 345-2610
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 103 New Onshore Production Well
- X 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED
12/29/2023

Date Received _____

Determination Date _____

Schlumberger

FDC/SNP/GR/TEMP

CSU

COMPANY: TXD PRODUCTION CORPORATION

WELL: AVIS NO. 1

FIELD:
COUNTY: LOGAN
STATE: WEST VIRGINIA

LOCATION:

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 982.7 F
LOG MEASURED FROM: KB
9.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 991.7 F
DF: 990.7 F
GL: 982.7 F

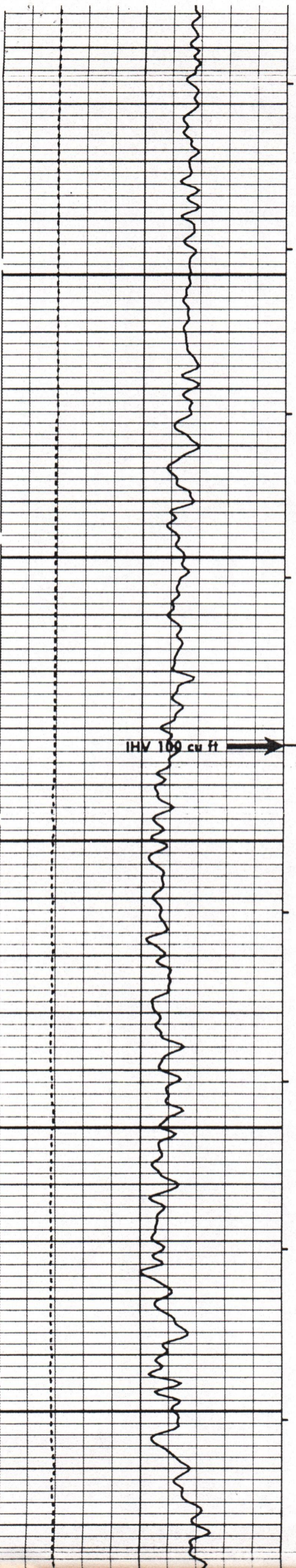
DATE: 28 OCT 85
RUN NO: ONE

DEPTH-DRILLER: 3130.0 F
DEPTH-LOGGER: 3130.0 F
BTM. LOG INTERVAL: 3124.0 F
TOP LOG INTERVAL: 100.0 F

CASING-DRILLER: 1554.0 F 0.0 F 0.0 F
CASING-LOGGER: 1554.0 F 0.0 F 0.0 F
CASING: 7

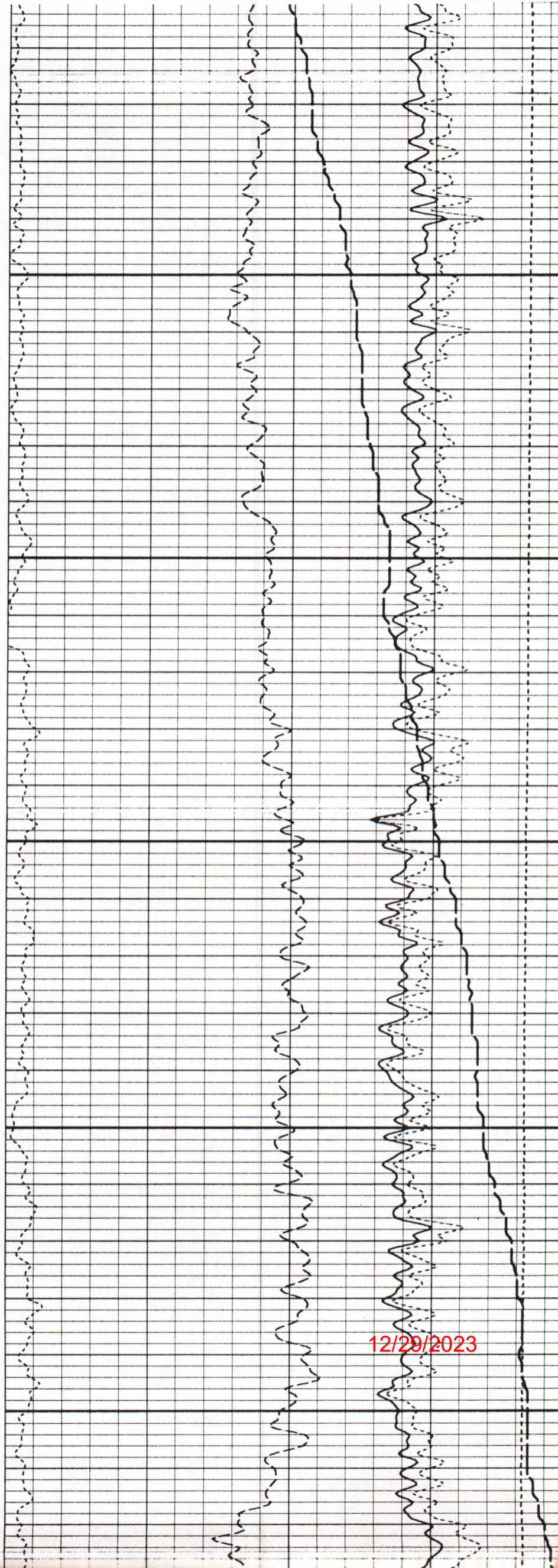
BIT SIZE: 7.875

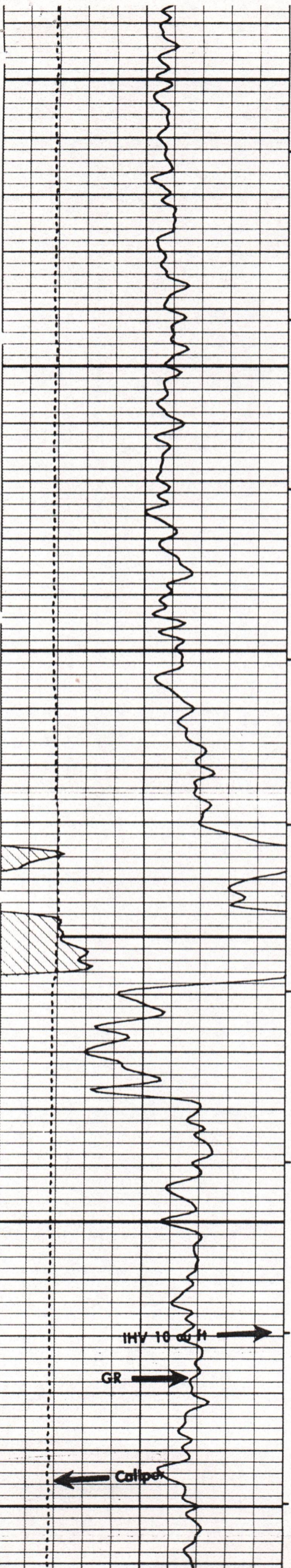
12/29/2023



2800

2900





2900

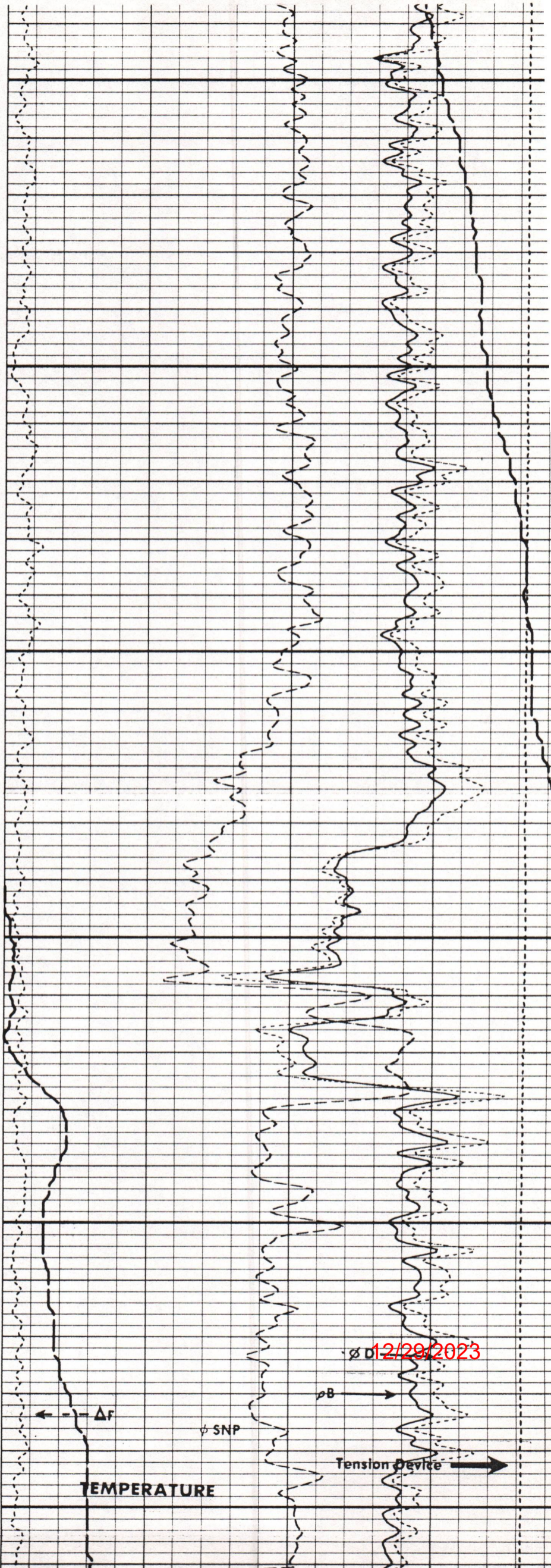
3000

3100

IHY 16 46 H

GR

Caliper



TEMPERATURE

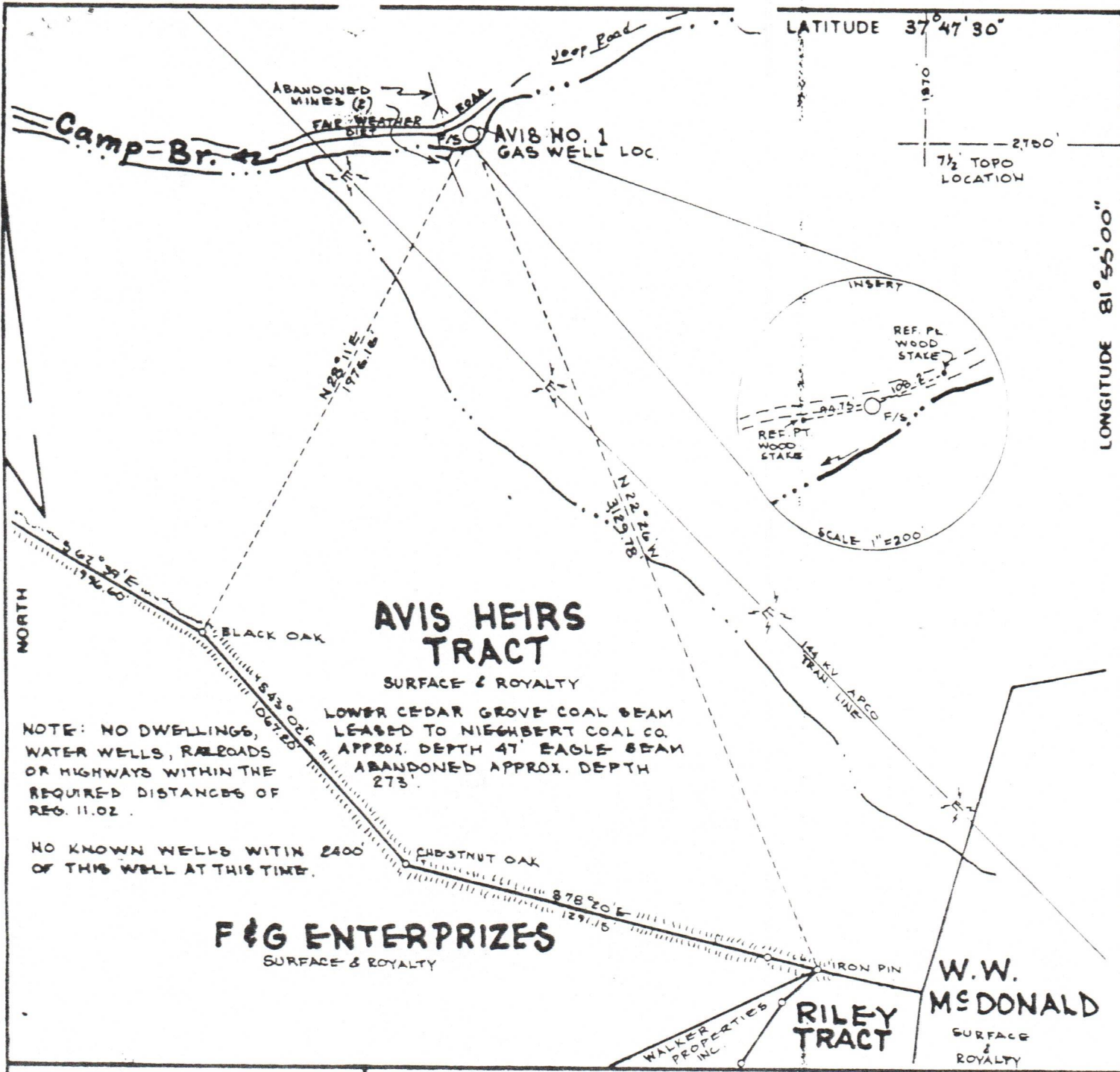
ϕ SNP

ϕ B

Tension Device

12/29/2023

ΔF



NOTE: NO DWELLINGS, WATER WELLS, RAILROADS OR HIGHWAYS WITHIN THE REQUIRED DISTANCES OF REG. 11.02.

NO KNOWN WELLS WITHIN 2400' OF THIS WELL AT THIS TIME.

FILE NO. 3

DRAWING NO. GW 3-84

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1' TO 2500'

PROVEN SOURCE OF ELEVATION USGS ELEV. PT @ RICH CREEK BRIDGE 710.90'

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) Wallace S. Robertson

R.P.E. _____ L.L.S. 257-54

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE October 9 19 84

OPERATOR'S WELL NO Avis #1

API WELL NO 47-045-1093

STATE WV 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 _____ STORAGE _____ DEEP _____ SHALLOW X)

LOCATION ELEVATION 982.07 WATER SHED Guyandotte River

DISTRICT Logan COUNTY Logan

QUADRANGLE Logan 7 1/2'

SURFACE OWNER Avis Heirs ACREAGE 1431.75'

OIL & GAS ROYALTY OWNER _____ LEASE NO 1250/3-000 LEASE ACREAGE 1431.75'

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

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION Berea ESTIMATED DEPTH 3400'

WELL OPERATOR TXO Production Corp. DESIGNATED AGENT Kenneth Tatarzyn

ADDRESS 900 Charleston National Plaza ADDRESS Same

Charleston, WV. 25301

12/29/2023

INSPECTOR'S PERMIT SUMMARY FORM

11-26-84

WELL TYPE GAS
ELEVATION 982
DISTRICT LOGAN
QUADRANGLE _____
COUNTY LOGAN

API# 47- 045-1093
OPERATOR TXD PRODUCTION
TELEPHONE _____
FARM MCDONALD HOLDING CO
WELL # AVIS #1

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran 286' feet of 1 1/4" pipe on 10-22-85 with CTS fill up
Ran 2250' feet of 8 5/8" pipe on 10-25-86 with CTS fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: N/A Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received RECLAIM & ID OK.

Date Released 6-5-86

✓
Jerry [Signature]
Inspector's signature
12/29/2023

API# 47 _____ - _____

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes



IV-35
(Rev 8-81)

Date November 19, 1985
Operator's
Well No. Avis #1
Farm _____
API No. 47 - 045 - 1093

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep ___ / Shallow x /)

LOCATION: Elevation: 982.07' Watershed Guyandotte
District: Logan County Logan Quadrangle Logan

COMPANY TXO Production Corp.
ADDRESS 600 Chas.Nat.Plaza, Chas., WV 25301
DESIGNATED AGENT Kenneth W. Tatarzyn
ADDRESS 600 Chas.Nat.Plaza, Chas., WV 25301
SURFACE OWNER Dale Wiley
ADDRESS 6426 Buckhill Road, Richmond, VA 23225
MINERAL RIGHTS OWNER _____
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Arthur St. Clair
ADDRESS Brenton, WV 24818
PERMIT ISSUED November 26, 1984
DRILLING COMMENCED 10-23-85
DRILLING COMPLETED 10-29-85
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"	294'KBM	294'KBM	130 sx
9 5/8			
8 5/8	1553'KBM	1553'KBM	300 sx
7			
5 1/2			
4 1/2	3118'KBM	3118'KBM	175 sx
3			
2	2383'KBM	2383'KBM	
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 3400' feet
Depth of completed well 3130' feet Rotary x / Cable Tools _____
Water strata depth: Fresh 200' feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? Yes

OPEN FLOW DATA

Producing formation Weir, Berea Pay zone depth 2527-3014 feet
Gas: Initial open flow 150 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 150 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 370 psig (surface measurement) after 14 hours shut in
(If applicable due to multiple completion--)
Second producing formation Maxon, Big Lime Pay zone depth 2370-1969 feet
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 50 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 280 psig (surface measurement) after 14 hours shut in

(Continue on reverse side)

LOG 1093

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

Perf Berea w/10 gm chg fm 3014-3029', 9 shots.

Perf Weir fm 2527-2534', 8 shots.

Frac Berea: 6M gal 75% Q foam pad + 5M gal @ 1 ppg + 6M gal @ 2 ppg + 7M gal @ 3 ppg + 100 gal acid + 11 perf balls.

Frac Weir: 8M gal 75% Q foam pad, 50 psi ball action. 7M gal @ 1 ppg + 8M gal @ 2 ppg + 9M gal @ 3 ppg + 2M gal foam flush.

Perf Big Lime @ 2366-2370, 2349-2351, & 2303-2305'. Total 19 shots.

Frac Big Lime: Pmp 1000 gal 15% HCl + Fe Contr. Drop frac ball + 25 perf balls. Pmp 2M gal 2% KCl wtr.

Perf Maxon @ 1981-1986', 1975, 1974, 1970 & 1969'. Total 15 shots.

Frac Maxon: Pmp 250 gal 15% HCl + 3.75# frac ball. Pmp 8M gal 70% Q foam pad + 7M gal @ 1 ppg + 8M gal @ 2 ppg + 9M gal @ 3 ppg + 30 MSCF N2 flush.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale, Silt, and Sand			0'	842'	
Salt Sand			842'	970'	
Shale, Silt, and Sand			970'	1140'	
Salt Sand			1140'	1526'	
Shale, Silt and Sand			1526'	1626'	
Ravencliff Sand			1626'	1680'	
Avis Limestone			1680'	1700'	
Shale, and Silt			1700'	1940'	
Middle Maxon Sand			1940'	1992'	
Shale, and Silt			1992'	2120'	
Lower Maxon Sand			2120'	2140'	
Shale, and Silt			2140'	2189'	
Little Lime			2189'	2278'	
Big Lime			2278'	2445'	
Shale, and Silt			2445'	2526'	
Weir Sand			2526'	2534'	
Shale, and Silt			2434'	2993'	
Coffee Shale			2993'	3008'	
Berea Sand			3008'	3028'	
Shale			3028'	3130'	
				TD	

(Attach separate sheets as necessary)

TXO Production Corp.
Well Operator

By: Kenneth W. Tatarzyn Kenneth W. Tatarzyn 12/29/2023

Date: November 19, 1985

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."

Dep 61 CC 1105

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DEC 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

AGENCY USE ONLY

Date: Nov. 21, 19 85

50375

Applicant's Name: TXO Production Corp.

Address: 600 Charleston National Plaza
Charleston, WV 25301

Gas Purchaser Contract No. 9034

Date of Contract: September 12, 1985
(Month, day and year)

First Purchaser: Hope Gas, Inc.

PL37

Address: P. O. Box 2868
(Street or P.O. Box)
Clarksburg WV 26301
(City) (State) (Zip Code)

FERC Seller Code _____

WELL DETERMINATION FILE NUMBER

851121 - 1030-045 - 1093

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Kenneth W. Tatarzyn

Address: 600 Charleston National Plaza
Charleston, WV 25301

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Kenneth W. Tatarzyn

Drilling & Production Manager
(Title)

Signature: Kenneth W. Tatarzyn (Print)

Address: 600 Charleston National Plaza
(Street or P.O. Box)

Charleston WV 25301
(City) (State) (Zip Code)

Telephone: (304) 345-2610
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

- 103 New Onshore Production Well
- X 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED
12/29/2023

Date Received _____

Determination Date _____

Operator's Well No. Avis #1
API Well No. 47 - 045 - 1093
State West Virginia County Logan Permit 1093

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Kenneth W. Tatarzyn
ADDRESS 600 Charleston National Plaza
Charleston, WV 25301
LOCATION: Elevation 982.07'
Watershed Guyandotte
Dist. Logan County Logan Quad. Logan
Gas Purchase Contract No. 9034
Meter Chart Code _____
Date of Contract September 12, 1985

WELL OPERATOR TXO Production Corp.
ADDRESS 600 Charleston National Plaza
Charleston, WV 25301
GAS PURCHASER Hope Gas, Inc.
ADDRESS P. O. Box 2868
Clarksburg, WV 26301

* * * * *

Date surface drilling was begun: 10-23-85

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

$$SIBHP = \left[\frac{.25 D Ps}{10,000} \right] + Ps$$
$$\left[\frac{.25 \cdot 2491 \cdot 325}{10,000} \right] + 325$$

SIBHP = 345 psi

AFFIDAVIT

I, Kenneth W. Tatarzyn, 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.

Kenneth W. Tatarzyn / s/

STATE OF WEST VIRGINIA,
COUNTY OF Kanawha, TO WIT:

I, Carole L. Dillinger a Notary Public in and for the state and county aforesaid, do certify that Kenneth W. Tatarzyn whose name is signed to the writing above, bearing date the 21st day of November, 19 85, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 21st day of November, 19 85. My term of office expires on the 14th day of February, 19 94.

[NOTARIAL SEAL]

Carole L. Dillinger
Notary Public

12/29/2023

REGULATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

RECEIVED
NOV 21 1985

1.0 API well number: _____ (If not assigned, leave blank. 14 digits.)

2.0 Type of determination being sought: _____
(Use the codes found on the front of this form.)

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)
_____ feet

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)

TXO Production Corp.
Name
600 Charleston National Plaza
Street
Charleston
City
WV State 25301 Zip Code

0 Location of this well: [Complete (a) or (b).]
(a) For onshore wells (35 letters maximum for field name.)
Manbar
Field Name
Logan
County
WV State

(b) For OCS wells

Area Name _____ Block Number _____

Date of Lease _____
Mo. Day Yr.

c) Name and identification number of this well: (35 letters and digits maximum.)
Avis #1
OCS Lease Number _____

d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)

Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)
Hope Gas, Inc.
Name

Date of the contract: _____ Buyer Code _____

Estimated total annual production from the well: _____ Million Cubic Feet

10 19 11 21 85
Mo. Day Yr.

	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
S/MMBTU	2 4 5/MCF	-----	-----	2 . 4 5/MCF
S/MMBTU	6 0 9 4	-----	-----	6 . 0 9 4

Agency Use Only
by Juris. Agency
NOV 21 1985
by FERC

Name: Kenneth W. Tatarzyn
Signature: *Kenneth W. Tatarzyn*
Title: Drlg & Prod Manager
Date Application is Completed: Nov. 21, 1985
Phone Number: 345-2610

12/29/2023

Dep 61 CK - 1105

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DEC 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Nov. 21, 1985

50375

Applicant's Name: TXO Production Corp.

Address: 600 Charleston National Plaza
Charleston, WV 25301

Gas Purchaser Contract No. 9034

Date of Contract September 12, 1985
(Month, day and year)

First Purchaser: Hope Gas, Inc.

Address: P. O. Box 2868
(Street or P.O. Box)
Clarksburg WV 26301
(City) (State) (Zip Code)

FERC Seller Code _____

TF AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

851121-1076-045-1093

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Kenneth W. Tatarzyn

Address: 600 Charleston National Plaza
Charleston, WV 25301

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Kenneth W. Tatarzyn Drilling & Production Manager

Signature: (Print) Kenneth W. Tatarzyn (Title)

Address: 600 Charleston National Plaza
(Street or P.O. Box)
Charleston WV 25301
(City) (State) (Zip Code)

Telephone: (304) 345-2610
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 103 New Onshore Production Well
- 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- XX 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED

12/29/2023

RECEIVED
NOV 21 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

WELL NO. Avis #1

API NO. 47 045 1093
State County Permit:

WELL CLASSIFICATION FORM

HIGH-COST GAS - NEW TIGHT FORMATION
NGPA SECTION 107

WELL OPERATOR TXO Production Corp.

Address 600 Charleston National Plaza
Charleston, WV 25301

Gas Purchaser Hope Gas, Inc.

Address P. O. Box 2868
Clarksburg, WV 26301

Designated Agent Kenneth W. Tatarzyn

Address 600 Charleston National Plaza
Charleston, WV 25301

Location: Elevation 982.07'

Watershed Guyandotte Quad. Logan

District Logan County Logan

Gas Purchase Contract No. 9034

Meter Chart Code _____

Date of Contract September 12, 1985

* * * * *

Date surface drilling began 10-23-85

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

$$SIBHP = [\frac{.25 D Ps}{10,000}] + Ps$$

$$[\frac{.25 2770 370}{10,000}] + 370$$

SIBHP = 395 psi

AFFIDAVIT

I, Kenneth W. Tatarzyn, having been first sworn according to law, state that surface drilling the the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Kenneth W. Tatarzyn

STATE OF West Virginia

COUNTY OF Kanawha, TO-WIT:

I, Carole L. Dillinger, a Notary Public in and for the state and county aforesaid, do certify that Kenneth W. Tatarzyn whose name is signed to the writing above, has acknowledged the same before me, in the county aforesaid.

12/29/2023

Given under my hand this 21st day of November, 1985.

My commission expires: February 14, 1994

(NOTARIAL SEAL)

Carole L. Dillinger
Notary Public

Schlumberger

FDC/SNP/GR/TEMP

CSU

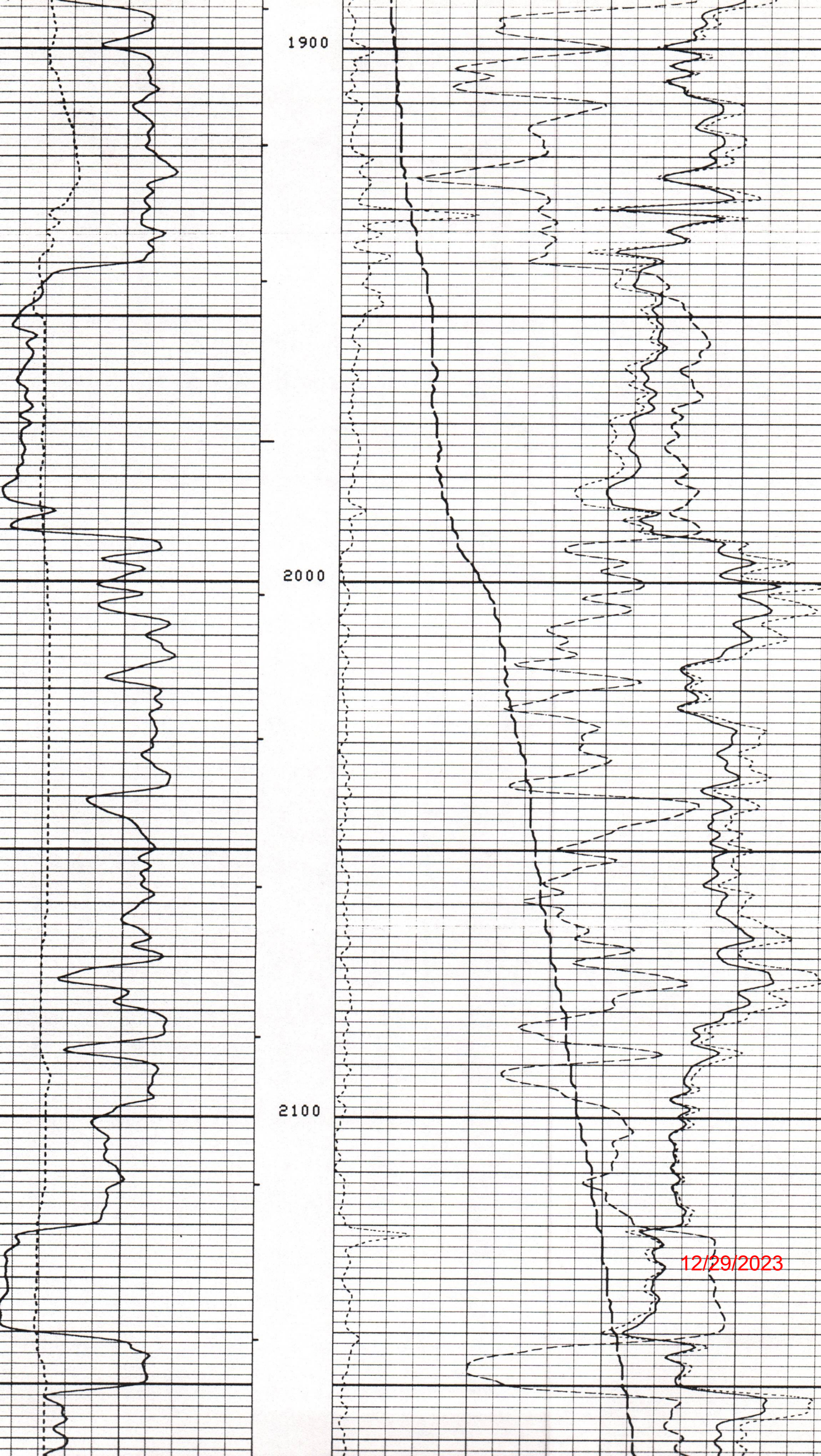
COMPANY: TXD PRODUCTION CORPORATION
WELL: AVIS NO. 1
FIELD:
COUNTY: LOGAN
STATE: WEST VIRGINIA
LOCATION:

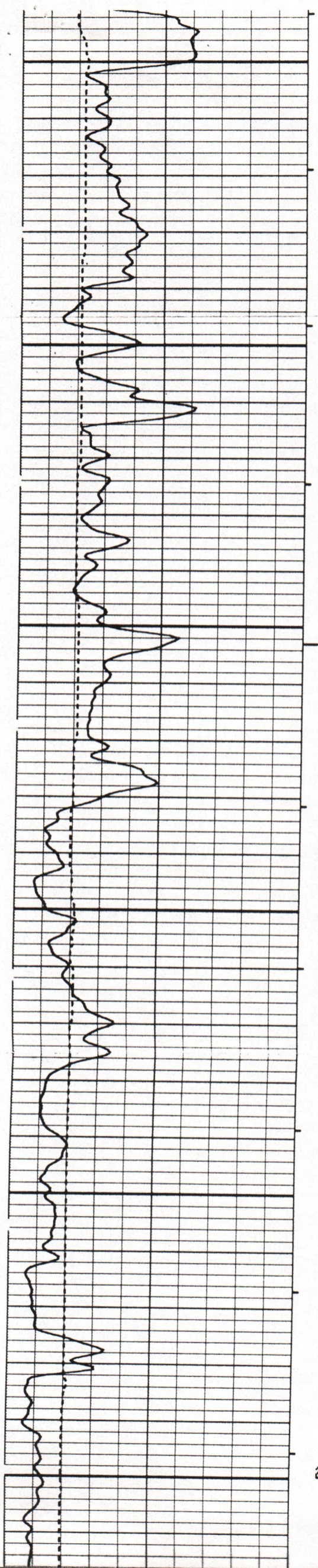
PERMANENT DATUM:	GL	ELEVATIONS-
ELEV. OF PERM. DATUM:	982.7 F	KB: 991.7 F
LOG MEASURED FROM:	KB	DF: 990.7 F
9.0 F ABOVE PERM. DATUM		GL: 982.7 F
DRLG. MEASURED FROM:	KB	

DATE: 28 OCT 85
RUN NO: ONE

DEPTH-DRILLER:	3130.0 F		
DEPTH-LOGGER:	3130.0 F		
BTM. LOG INTERVAL:	3124.0 F		
TOP LOG INTERVAL:	100.0 F		
CASING-DRILLER:	1554.0 F	0.0 F	0.0 F
CASING-LOGGER:	1554.0 F	0.0 F	0.0 F
CASING:	7		
BIT SIZE:	7.875		

12/29/2023

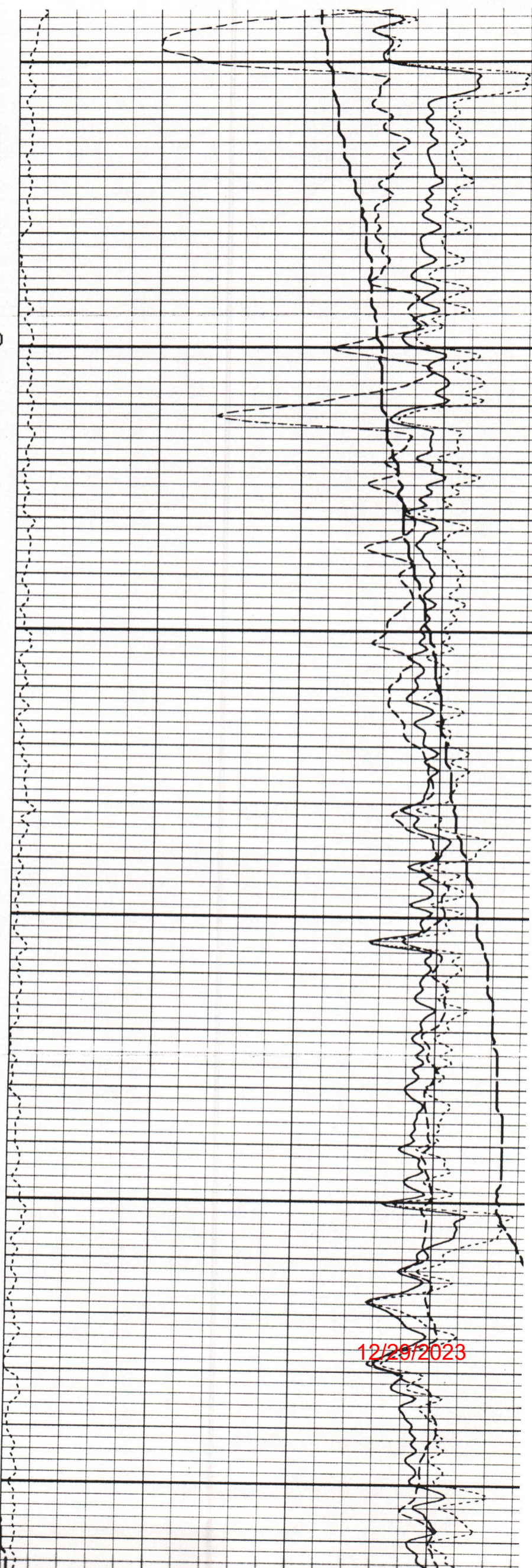




2200

2300

2400



12/29/2023

