



1) Date: October 27, 1983  
 2) Operator's Well No. Kuntz #1  
 3) API Well No. 47-067-0602  
 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 X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 861' Watershed: Gauley River  
 District: Jefferson County: Nicholas Quadrangle: Ansted
- 6) WELL OPERATOR D. C. Malcolm, Inc. 7) DESIGNATED AGENT D. C. Malcolm  
 Address 1006 Commerce Square Address 1006 Commerce Square  
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Craig Duckworth Name \_\_\_\_\_  
 Address Gassaway, WV Address \_\_\_\_\_  
364-5942
- 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 Sandstone
- 12) Estimated depth of completed well, 2300 feet
- 13) Approximate trata depths: Fresh, 165 feet; salt, 500 feet.
- 14) Approximate coal seam depths: No Coal Is coal being mined in the area? Yes \_\_\_\_\_
- 15) CASING AND TUBING PROGRAM

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 NOV 22 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>10-3/4</u>			<u>X</u>		<u>250'</u>	<u>250'</u>	<u>Surface</u>	<u>by rule 15.05</u>
Coal									Sizes
Intermediate	<u>7"</u>		<u>20</u>	<u>X</u>		<u>1420'</u>	<u>1420'</u>	<u>300'</u>	
Production	<u>4 1/2"</u>		<u>10.6</u>	<u>X</u>		<u>2300'</u>	<u>2300'</u>	<u>600' - 100 Sks</u>	<u>Depth OR AS REQ</u>
Tubing									<u>BY RULE 15.01</u>
Liners									Perforations: Top _____ Bottom _____

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-067-0602

December 6, 1983  
 Date

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 December 6, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET BOND

Bond:	Agent: <u>LP</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>348</u>
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*[Signature]*  
 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 LOCATION: 8 1/2" Gas, Production  
Elevation: 861  
Watered: Genley River  
County: Nicholas  
Operator: D. C. Malcom, Inc.  
Address: 1000 Commerce Square, Charleston, WV 25301

2) OFF & GAS INSPECTOR TO BE NOTIFIED: Name: Craig Budworth, Address: Gessaway, WV 25824

3) PROPOSED WELL WORK: Drill:  Drill:  Other physical change in well:  Geological target formation:

4) CASING AND TUBING PROGRAM: (1) Approximate coal seam depths: No Coal (2) Approximate iron depths: 155 (3) Estimated depth of completed well: 300

Casing or Tubing Type	Size	Depth	Weight	Per Foot	Foot Casing		Packers
					Start	End	
Production	7"	20'	20.8	300'	1420'	300'	Surface to 1308'
Intermediate	4 1/2"	20'	20.8	300'	1420'	300'	Surface to 1308'
Production	7"	20'	20.8	300'	1420'	300'	Surface to 1308'

OFFICE USE ONLY

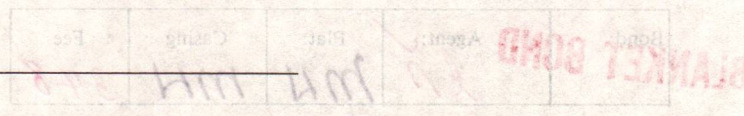
This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_







IV-9  
(Rev 8-81)

DATE November 8, 1983

WELL NO. Kuntz #1

State of West Virginia

API NO. 47-067-0602

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME D. C. Malcolm, Inc.  
Address 1006 Commerce Square  
Charleston, WV 25301  
Telephone 343-9593

DESIGNATED AGENT D. C. Malcolm  
Address 1006 Commerce Square  
Charleston, WV 25301  
Telephone 343-9593

LANDOWNER C. P. Kuntz

SOIL CONS. DISTRICT Elk

Revegetation to be carried out by D. C. Malcolm (Agent)

This plan has been reviewed by ELK SCD. All corrections and additions become a part of this plan: 11-15-83 (Date)

James Beahm  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Culvert (12")</u> (A)	Structure _____ (1)
Spacing _____	Material _____
Page Ref. Manual <u>2-7, 8</u>	Page Ref. Manual _____
Structure <u>Cross Drains</u> (B)	Structure <u>Culvert</u> (2)
Spacing <u>as required</u>	Material _____
Page Ref. Manual <u>2-4</u>	Page Ref. Manual _____
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

NOV 22 1983  
OIL & GAS DIVISION  
DEPT. OF MINES

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

Lime	<u>2</u>	Tons/acre
or correct to pH	<u>6.5</u>	
Fertilizer	<u>500</u>	lbs/acre
	<u>(10-20-20 or equivalent)</u>	
Mulch Hay	<u>1.5</u>	Tons/acre
Seed* Annual Rye	<u>30</u>	lbs/acre
Ky 31	<u>50</u>	lbs/acre
		lbs/acre

Treatment Area II

Lime	<u>2</u>	Tons/acre
or correct to pH	<u>6.5</u>	
Fertilizer	<u>500</u>	lbs/acre
	<u>(10-20-20 or equivalent)</u>	
Mulch Hay	<u>1.5</u>	Tons/acre
Seed* Annual Rye	<u>30</u>	lbs/acre
Ky 31	<u>50</u>	lbs/acre
		lbs/acre

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

11/17/2023

PLAN PREPARED BY D. C. Malcolm

ADDRESS 1006 Commerce Square

Charleston, WV 25301

PHONE NO. 343-9593



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

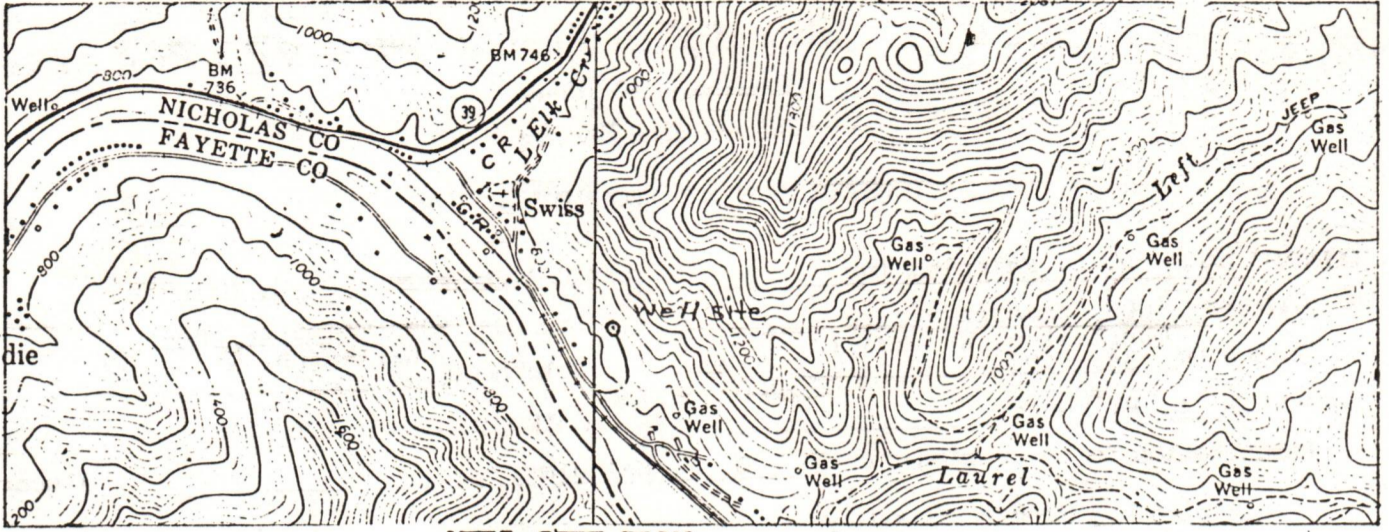


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE ANSTEAD 7.5'

1" = 2000'

LEGEND





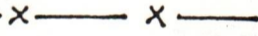






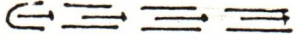
Well Site   
Access Road 

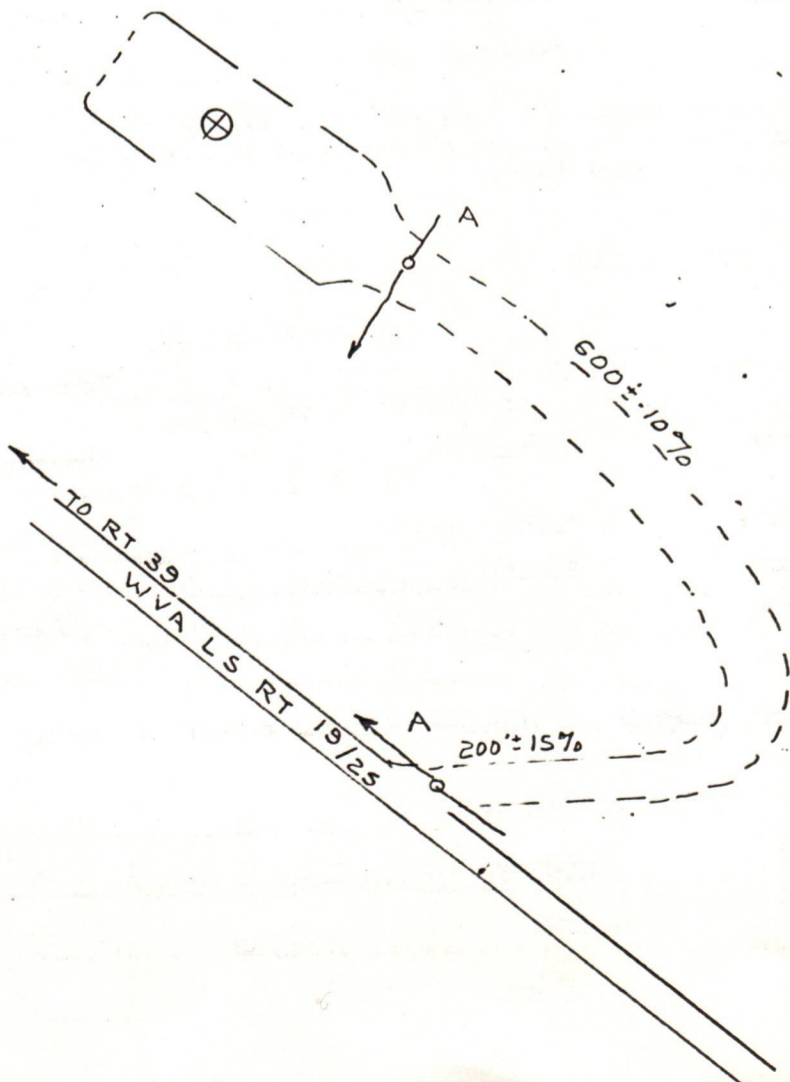


WELL SITE PLAN

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 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



11/17/2023



1) Date: November 8, 19 83  
2) Operator's Well No. Kuntz #1  
3) API Well No. 47-067-0602  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

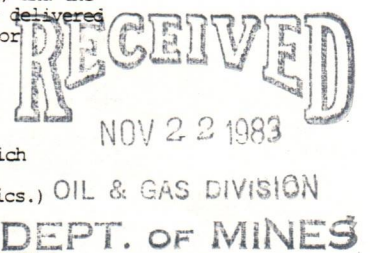
4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name C. P. Kuntz  
Address Box 396  
Swiss, WV 26690  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR None  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name C. P. Kuntz  
Address Box 396  
Swiss, WV 26690  
Name None  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
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  
D. C. Malcolm,  
this 8th day of November, 19 83.  
My commission expires 9/21, 19 92.  
Cathy L. Hargrove  
Notary Public, Kanawha County,  
State of West Virginia

WELL OPERATOR D. C. Malcolm, Inc.  
By [Signature]  
Its President  
Address 1006 Commerce Square  
Charleston, WV 25301  
Telephone 343-9593

11/17/2023



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-lb(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 Page</u>
Charles P. Kuntz, Edith K. Kuntz, h.w.	D.C. Malcolm, Inc.	1/8	055/159-160





1) Date: October 27, 1983  
 2) Operator's Well No. Kuntz #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 X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 861' Watershed: Gauley River  
 District: Jefferson County: Nicholas Quadrangle: Ansted
- 6) WELL OPERATOR D. G. Malcolm, Inc. 7) DESIGNATED AGENT D. G. Malcolm  
 Address 1006 Commerce Square Address 1006 Commerce Square  
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Craig Duckworth Name \_\_\_\_\_  
 Address Cassaway, WV Address \_\_\_\_\_  
364-5942
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Berea Sandstone OIL & GAS DIVISION  
 12) Estimated depth of completed well, 2300 feet DEPT. OF MINE  
 13) Approximate trata depths: Fresh, 165 feet; salt, 500 feet.  
 14) Approximate coal seam depths: No Coal Is coal being mined in the area? Yes \_\_\_\_\_ / No X

RECEIVED  
 NOV 22 1983

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										Kinds
Fresh water	<u>10-3/4</u>			<u>X</u>		<u>250'</u>	<u>250'</u>	<u>Surface</u>		
Coal										Sizes
Intermediate	<u>7"</u>		<u>20</u>	<u>X</u>		<u>1420'</u>	<u>1420'</u>	<u>300'</u>		
Production	<u>4 1/2"</u>		<u>10.6</u>	<u>X</u>		<u>2300'</u>	<u>2300'</u>	<u>600'</u>		Depths set
Tubing										
Liners										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.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

Charles P. Kuntz Date: 11/26/83  
 (Signature)  
Edith Kuntz Date: \_\_\_\_\_  
 (Signature)

Surface Owner

Taken, subscribed and sworn before me this 18 day of November, 1983.  
 My commission expires September 21, 1992

Cathy J. Handford  
 Notary Public

11/17/2023

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)





**INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELLS**

**WARRANTY OF REASONABLE CARE IN SURFACE OWNER**

West Virginia  
Department of Environmental Protection

The purpose of this document is to provide information to surface owners regarding the process of oil and gas well construction and reclamation. This document is intended to be used in conjunction with the Surface Owner's Copy of the Application for a Permit to Drill (Form IV-3(B)) and the Construction and Reclamation Plan (Form IV-4).  
This document is intended to be used in conjunction with the Surface Owner's Copy of the Application for a Permit to Drill (Form IV-3(B)) and the Construction and Reclamation Plan (Form IV-4).  
This document is intended to be used in conjunction with the Surface Owner's Copy of the Application for a Permit to Drill (Form IV-3(B)) and the Construction and Reclamation Plan (Form IV-4).

RECEIVED

DEPT. OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA  
NOVEMBER 17, 2023

When a surface owner is notified of a proposed well, they have a certain amount of time to review the application and provide comments. The time limit for providing comments is 30 days from the date of notification. If a surface owner wishes to provide comments, they should submit them in writing to the Department of Environmental Protection. The Department will then review the comments and may request additional information from the applicant. If the Department determines that the application is complete and meets the requirements of the law, it will issue a permit to drill. If a surface owner has any questions or concerns, they should contact the Department of Environmental Protection.

Signature of person exercising service  
Notary Public  
Date

11/17/2023



IV-35  
(Rev 8-81)

RECEIVED

JAN 30 1984

OIL & GAS DIVISION  
DEPT. OF MINES



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date January 9, 1984  
Operator's  
Well No. 1  
Farm C. P. Kuntz  
API No. 47 - 067 - 0602

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 \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 870 KB Watershed Gauley River  
District: Jefferson County Nicholas Quadrangle Ansted

COMPANY D. C. Malcolm, Inc.  
ADDRESS 1006 Commerce Sq., Charleston, WV  
DESIGNATED AGENT D. C. Malcolm  
ADDRESS 1006 Commerce Sq., Charleston, WV  
SURFACE OWNER C. P. Kuntz  
ADDRESS Box 396, Swiss, WV 26690  
MINERAL RIGHTS OWNER C. P. Kuntz  
ADDRESS Box 396, Swiss, WV 26690  
OIL AND GAS INSPECTOR FOR THIS WORK D. Craig  
Duckworth ADDRESS Gassaway, WV  
PERMIT ISSUED December 5, 1983  
DRILLING COMMENCED December 14, 1983  
DRILLING COMPLETED December 21, 1983  
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"	250'	250'	100
9 5/8			
8 5/8			
7	1470'	1470'	40
5 1/2			
4 1/2	1822'	1822'	100
3			
2		1747'	-
Liners used			

GEOLOGICAL TARGET FORMATION Injun Depth 1714-1756 feet  
Depth of completed well 2232 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh Not feet; Salt 450 feet  
Reported  
Coal seam depths: None reported Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Injun Pay zone depth 1704-1750 feet  
Gas: Initial open flow show Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 450 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 7 hours  
Static rock pressure 450 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)

Second producing formation Big Lime Pay zone depth 1672-1678 feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

WVCH 602



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

1st Stage: Perforated 1714-1750 with 15 holes. Frac with 500 gals. HCl; 511 bbls. water; 350# KCl; 45,000# 20/40 sand; 107,000 SCF N<sub>2</sub>. Breakdown pressure 1200 psi; average treating pressure 2336 psi; average injection rate 25.5 bpm.

2nd Stage: Perforated 1672-1678 with 6 holes. Acidized with 3,000 gals. 28% HCl.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay and Silt			0	200	
Sand and Shale			200	440	
Sand			440	556	
Shale and Sand			556	608	
Sand (Salt Sand)			608	723	
Sand and Shale			723	880	
Shale			880	1020	
Sand and Shale			1020	1494	
Big Lime			1494	1714	S/G 1675'
Injun			1714	1756	
Sand and Shale (Pocono)			1756	2232	Total Depth

(Attach separate sheets as necessary)

D. C. Malcolm, Inc.  
Well Operator

By: *D. C. Malcolm*

Date: January 9, 1984

11/17/2023

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



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

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INSPECTOR'S WELL REPORT

Permit No. D67-D602

OIL & GAS DIVISION  
DEPT. OF MINES

Company <u>D. C. MALCOLM, INC.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>CHARLESTON, W.V.</u>	Size			
Farm <u>C. P. KUNTZ</u>	16			Kind of Packer
Well No. <u>KUNTZ 1</u>	13			
District <u>JEFFERSON</u> County <u>NICHOLAS</u>	10			Size of
Drilling commenced <u>12/15/83</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 <u>10 3/4</u> SIZE <u>250</u> No. FT. <u>12/16</u> Date			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>HALLIBURTON</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names CLINT HURT RIG 3 BOBBY SHAFFER

Remarks: RAN 250' OF 10 3/4 CEMENTED TO SURFACE WITH 100 SKS.

12/16/83  
DATE

Craig Duckworth  
INSPECTOR  
11/17/2023



Form 26  
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: \_\_\_\_\_

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

DATE

11/17/2023

DISTRICT WELL INSPECTOR





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OIL & GAS DIVISION  
DEPT. OF MINES

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
February 6, 1984

COMPANY D. C. Malcolm, Inc.  
1006 Commerce Square  
Charleston, West Virginia 25301

PERMIT NO 067-0602  
FARM & WELL NO C. P. Kuntz #1  
DIST. & COUNTY Jefferson/Nicholas

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Craig Duckworth  
DATE 10/16/84

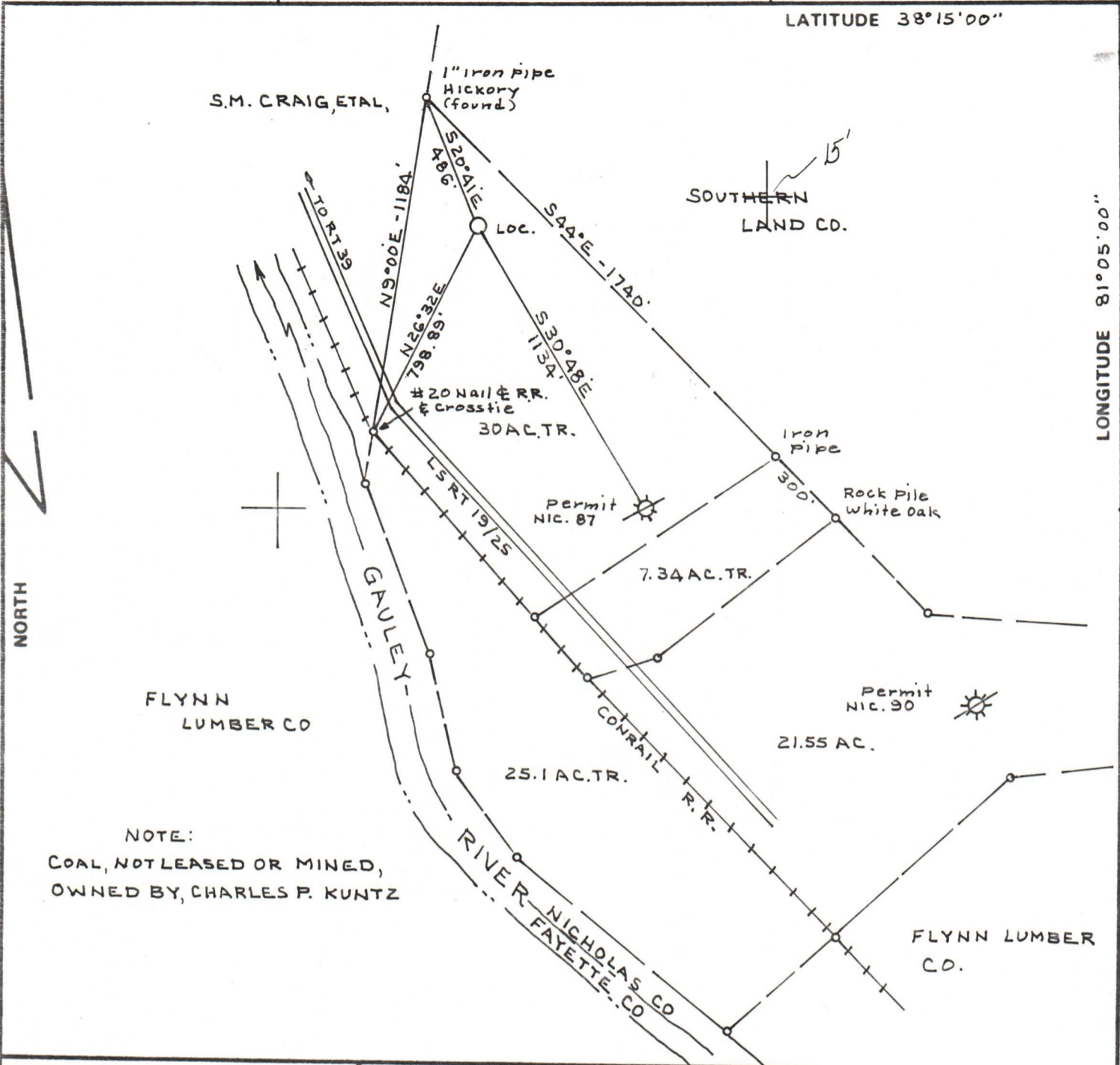
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. v. B.  
Administrator-Oil & Gas Division

January 9, 1985

DATE





NOTE:  
COAL, NOT LEASED OR MINED,  
OWNED BY, CHARLES P. KUNTZ

FILE NO. BK 79 P 99  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1:200'  
PROVEN SOURCE OF  
ELEVATION USGS BM E-235  
EL. 746.0'

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) C. J. Volley Jr.  
R.P.E. \_\_\_\_\_ L.S. 92

PLACE SEAL HERE

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

FORM IV-6  
(8-78)



DATE NOV 3, \_\_\_\_\_, 1983  
OPERATOR'S WELL NO. \_\_\_\_\_  
API WELL NO. \_\_\_\_\_  
47 - 067 - 0602 ✓  
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 860.61' WATERSHED GAULEY RIVER, 2000'± S.E. MOUTH ELK CREEK  
DISTRICT JEFFERSON COUNTY NICHOLAS  
QUADRANGLE ANSTEAD 7.5' Fayetteville  
SURFACE OWNER CHARLES P. KUNTZ ACREAGE 120  
OIL & GAS ROYALTY OWNER CHARLES P. KUNTZ LEASE ACREAGE 120  
LEASE NO. \_\_\_\_\_

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Berea ESTIMATED DEPTH 2300'  
WELL OPERATOR D.C. MALCOLM INC. DESIGNATED AGENT D.C. MALCOLM  
ADDRESS 1006 COMMERCE SQUARE ADDRESS 1006 COMMERCE SQUARE  
CHARLESTON WVA, 25301 CHARLESTON WVA 25301

11/17/2023

709 451W



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Virginia,  
COUNTY OF Kanawha:

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A)  / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B)  / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. Kuntz #1 located in Jefferson District, Kanawha County, West Virginia, upon the person or organization named--

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C. P. Kuntz

--by delivering the same in Nicholas County, State of West Virginia on the 18 day of November, 1983 in the manner specified below.

AS DIVISION  
**DEPT. OF MINES**

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him  / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[ ] Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[ ] Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[ ] Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[ ] Handing it to the corporation's employee / officer / director / attorney in fact / named \_\_\_\_\_.

J. L. T. Jamell  
(Signature of person executing service)

Taken, subscribed and sworn before me this 18 day of November, 1983.  
My commission expires September 21, 1992.

Cathy L. Handford  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)





1) Date: October 27, 1983  
 2) Operator's Well No. Kuntz #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 X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 861' Watershed: Ganley River  
 District: Jefferson County: Nicholas Quadrangle: Ansted
- 6) WELL OPERATOR D. C. Malcolm, Inc. 7) DESIGNATED AGENT D. C. Malcolm  
 Address 1006 Commerce Square Address 1006 Commerce Square  
Charleston, WV 25301 Charleston, WV 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Craig Duckworth Name \_\_\_\_\_  
 Address Cassaway, WV Address \_\_\_\_\_  
364-5942
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Berea Sandstone OIL & GAS DIVISION  
 12) Estimated depth of completed well, 2300 feet DEPT. OF MINES  
 13) Approximate trata depths: Fresh, 165 feet; salt, 500 feet.  
 14) Approximate coal seam depths: No Coal Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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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									Kinds
Fresh water	<u>10-3/4</u>			<u>X</u>		<u>250'</u>	<u>250'</u>	<u>Surface</u>	
Coal									Sizes
Intermediate	<u>7"</u>		<u>20</u>	<u>X</u>		<u>1420'</u>	<u>1420'</u>	<u>300'</u>	
Production	<u>4 1/2"</u>		<u>10.6</u>	<u>X</u>		<u>2300'</u>	<u>2300'</u>	<u>600'</u>	Depths set
Tubing									
Liners									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)  
Charles P. Kuntz Date: 11/26/83  
 (Signature)  
Edith Kuntz Date: \_\_\_\_\_  
 (Signature)

**11/17/2023**  
 Surface Owner



**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.