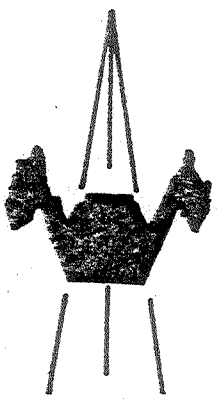
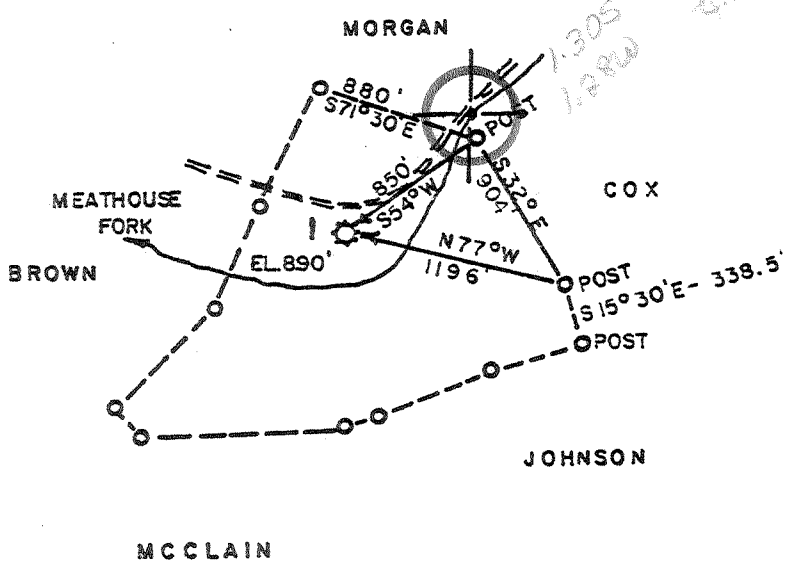


39° 15'

Latitude 39° 12' 30"

7310' SOUTH  
6950' WEST

Longitude 80° 36' 00"



ACCURACY: 1 / 200

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation GORDON Oil   
 Est. Depth 3200 Gas   
 Other

Source of Elevation MOUTH OF BIRCH (895')  
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

*Chet Waterman*

Company	UNITED PRODUCING CO.
Address	CHARLESTON, WV
Surface Owner	W. C. MCMILLAN
Mineral Owner	W. S. COX HEIRS
Well No.	1
Acres	90.5
Elevation	890'
Quadrangle	BIG ISAAC
Series	7.5 NC
County	DODDRIDGE District GREENBRIER
Date	1/5/81
Scale	1" = 1000'

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

WELL LOCATION MAP  
 47 - 017 - 2928  
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 81-002

G-O MEATHOUSE FK BRISTOL

JAN 26 1981

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State of West Virginia

APR 13 1982

Department of Mines

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

Oil and Gas Division

Date December 10, 1981

Operator's Well No. W. C. Cox #1

Farm William McMillan

API No. 47 - 017 - 2928

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

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

LOCATION: Elevation: 890' Watershed Meathouse Fork District: Greenbrier County Doddridge Quadrangle Big Isaac 7.5, Vadis 15

COMPANY United Operating Company

ADDRESS 526 Commerce Square, Charleston, WV

DESIGNATED AGENT J. L. Trittipo

ADDRESS 526 Commerce Sq., Charleston, WV

SURFACE OWNER William McMillan

ADDRESS \_\_\_\_\_

MINERAL RIGHTS OWNER Heirs of J. S. Cox

ADDRESS Route 1, Walker, W. Va.

OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey

ADDRESS Jane Lew, W. Va.

PERMIT ISSUED January 8, 1981

DRILLING COMMENCED January 22, 1981

DRILLING COMPLETED January 27, 1981

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"			
9 5/8			
8 5/8	225	225	circulated
7			
5 1/2			
4 1/2	0	2860	1000 fillup
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3,200 feet

Depth of completed well 2860 feet Rotary  / Cable Tools \_\_\_\_\_

Water strata depth: Fresh N/R feet; Salt N/R feet

Coal seam depths: N/R Is coal being mined in the area? no

**OPEN FLOW DATA**

1934-50, 2576-86,

Producing formation Gordon/Stray Pay zone depth 2446-76 feet

Gas: Initial open flow N/R Mcf/d Oil: Initial open flow N/R Bbl/d

Final open flow 0 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 0 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure 200 psig (surface measurement) after 4 hours shut in

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

Faced three intervals detailed on reverse side of IV-35. Faced each zone separately using approximately 450 bbl. gelled water in each stage - total of 80,000# sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand-Shale	G	H	0	1648	FLUID DRILLED
Sand	G	H	1648	1660	
Sand-shale	G	S	1660	1855	
Lime	G	H	1855	1906	
Big Injun	G	S	1906	1986	
Shale	G	S	1986	2044	
Weir SS	G	S	2044	2114	
Shale/sand stringers	G	S	2114	2464	
Gordon	G	S	2464	2480	
Shale	G	S	2480	2574	
Gordon Stray	G	S	2574	2588	T.D.
Shale	G	S	2588	2902	

(Attach separate sheets as necessary)

United Operating Company

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Well Operator

By: J. L. Trittipio

Date: 12/10/81

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."



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 5, 1981

Surface Owner William C. McMillan  
Address \_\_\_\_\_

Company United Operating Company  
Address 600 Commerce Sq., Charleston, W. Va.

Mineral Owner Heirs of J. S. Cox  
Ruth Ann Yoho, Attorney-in-Fact  
Address Route 1, Walker, W. Va.

Farm William Cox Acres 90.5

Coal Owner NA  
Address \_\_\_\_\_

Location (waters) Meathouse Fork

Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Well No. Cox #1 Elevation 890'

District Greenbrier County Doddridge

Quadrangle Big Isaac 7.5 V adis 15

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 9-8-81.

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS 321 Beech Street, Clarksburg, WV  
PHONE 1-622-3871

Fred Burdette  
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 July 1 1980 by Heirs of J. S. Cox made to United Operating Company and recorded on the 13th day of November 1980 in Doddridge County, Book 118 PageS 150, 152, 154, 155, 157, 161, 163, 165, 167, 169, 159, and 499.  
 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, United Operating Company  
(Sign Name) [Signature]  
Well Operator  
600 Commerce Square  
Street  
Charleston,  
City or Town  
West Virginia 25301  
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.

BLANKET BOND

017- 2928 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 [Signature]

**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 Gene Stalnaker, Inc. NAME Lyle Coffman/J. L. Trittipo  
 ADDRESS P. O. Box 178 ADDRESS Norris Road/600 Commerce Square  
 TELEPHONE Glenville, WV 26351 TELEPHONE Glenville, WV/Charleston, W. Va.  
1-462-7176/343-9383  
 ESTIMATED DEPTH OF COMPLETED WELL: - 3200' ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Gordon  
 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			
9 - 5/8			
8 - 5/8	400'	400'	circulated to surface
7			
5 1/2			
4 1/2	3200'	3200'	1500fillup required by
3			Perf. Top Rule 15:01
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS   NA   \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA?   NA   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.

\_\_\_\_\_  
 For Coal Company  
 \_\_\_\_\_  
 Official Title

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FORM OG-8

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

JUL 22 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

<u>N/A</u> COAL OPERATOR OR OWNER	<u>UNITED OPERATING COMPANY</u> NAME OF WELL OPERATOR
ADDRESS	<u>930 SUITE COMMERCE SQUARE</u> COMPLETE ADDRESS
COAL OPERATOR OR OWNER	<u>19 JULY</u> 19 <u>82</u> WELL AND LOCATION
ADDRESS	<u>GREENBRIER</u> District
<u>W.C. COX HEIRS</u> LEASE OR PROPERTY OWNER	<u>DODDRIDGE</u> County
<u>WALKER, W.VA.</u> ADDRESS	Well No. <u>W.C. COX # 1</u>
	<u>MR. R. MCMELLIN</u> Farm

STATE INSPECTOR SUPERVISING PLUGGING... STEVEN CASEY, JANE LEW, W.VA.

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Gilmer } ss:

James W. McKinney and John Golden  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Lyle Coffman, United Operating, Company well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 19th day of July, 1982, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
2902-2200	NEAT CEMENT	54 SACKS		
2200- 2036	100 LBS. JELL	1 SACK		
	WAIT ON RIG TO CUT CASING & PULL ONE JOINT. PUMP NEAT			
1680-1630	CEMENT			
	WAIT ON RIG TO PULL CASING			
1630- 225	6% JELL			
225-175	NEAT CEMENT			
175-50	6% JELL			
50-0	NEAT CEMENT PULL LAST TWO JOINTS CASINGS. INSTALL MONUMENT PUMP NEAT CEMENT TO FILL MONUMENT AND CIRCULATE HOLE. SHUT DOWN AND WASH UP LEFT LOCATION 1015 P.M. JOB COMPLETE			
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 19th day of July, 1982.

And further deponents saith not.

James W. McKinney

Sworn to and subscribed before me this 20th day of July, 1982.

William H. Hark  
Notary Public.

My commission expires:

DEC. 12, 1990

Permit No. 017-2928-P