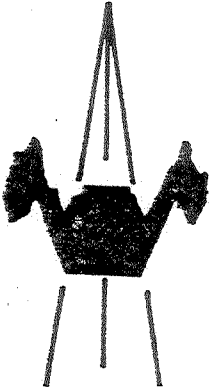
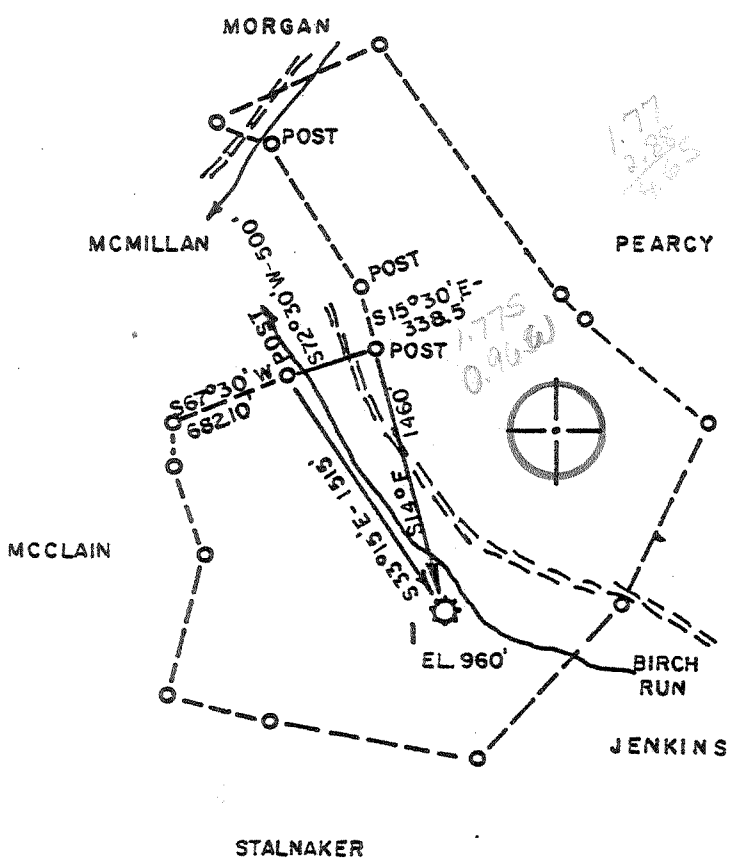


9690' SOUTH  
5250' WEST



ACCURACY: 1/200

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

Formation GORDON  
Est. Depth 3200

Oil   
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	R. L. JOHNSON		
Mineral Owner	J. S. COX HEIRS		
Well No.	1	Acres	148
Elevation	960'		
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 - 2927  
STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
Engineer CHET WATERMAN  
Engineer's Registration No. 3788 File No. 81-003

6-0 MEATHOUSE FR- BRISTOL

JAN 26 1981 146

IV-35  
(Rev 8-81)



RECEIVED

APR 13 1982 State of West Virginia

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES  
Department of Mines  
Oil and Gas Division

Date December 10, 1981  
Operator's  
Well No. 1  
Farm J. S. Cox  
API No. 47 - 017 - 2927

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

WELL TYPE: Oil X / 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

COMPANY United Operating Company  
ADDRESS 526 Commerce Sq., Charleston, WV 25301  
DESIGNATED AGENT J. L. Trittipo  
ADDRESS 526 Commerce Sq., Charleston, WV 25301  
SURFACE OWNER R. L. Johnson,  
ADDRESS New Milton, W. Va.  
MINERAL RIGHTS OWNER Heirs of J. S. Cox  
ADDRESS Walker, W. Va.  
OIL AND GAS INSPECTOR FOR THIS WORK Steve  
Casey ADDRESS                     

PERMIT ISSUED January 7, 1981  
DRILLING COMMENCED January 13, 1981  
DRILLING COMPLETED January 18, 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	241	241	circulated
7			
5 1/2			
4 1/2	0	2808	1100' fill up
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2900 feet  
Depth of completed well 2910 feet Rotary X / 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?           

OPEN FLOW DATA 2514-34  
Producing formation Gordon Pay zone depth 2628-46 feet  
Gas: Initial open flow N/T Mcf/d Oil: Initial open flow N/T Bbl/d  
Final open flow N/T Mcf/d Oil: Final open flow N/T 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 Berea Pay zone depth 2304-20 feet  
Gas: Initial open flow N/T Mcf/d Oil: Initial open flow n/t Bbl/d  
Final open flow N/T Mcf/d Oil: Final open flow N/T Bbl/d  
Time of open flow between initial and final tests            hours  
Static rock pressure 200 psig (surface measurement) after 4 hours shut in

APR 26 1982

(Continue on reverse side)

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

Faced in three zones detailed on reverse side of IV-35. Each zone fraced separately with 450 bbls. gelled water and 78,000# 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	1520	<u>FLUID DRILLED</u>
Sand	G	H	1520	1550	
Shale	G	S	1550	1565	
Sand	G	H	1565	1628	
Sand/shale	G	S	1628	1710	
Sand	G	H	1710	1722	
Sand/shale			1722	1920	
Lime			1920	1980	
Injun			1980	2054	
Shale			2054	2104	
Weir			2104	2166	
Shale			2166	2306	
Sand			2306	2318	
Shale			2318	2512	
Gordon S	G	H	2512	2534	
Shale/sand stringers			2534	2628	
<u>Gordon Stray</u>			2628	2646	
Shale			2646	2930	T.D.

(Attach separate sheets as necessary)

United Operating Company

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Well Operator \_\_\_\_\_

By: J. L. Trittip J. L. Trittip

Date: 12/10/51

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 Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED  
JAN - 7 1981

OIL & GAS DIVISION  
DEPT. OF MINES

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

Surface Owner Reginal L. Johnson  
Address \_\_\_\_\_  
Mineral Owner J. S. Cox Heirs, Ruth Ann Yoho  
Attorney-in-Fact, Walker, W. Va.  
Address \_\_\_\_\_  
Coal Owner NA  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

DATE January 5, 1981  
Company United Operating Company  
Address 600 Commerce Square, Charleston, WV  
Farm J. S. Cox Acres 148  
Location (waters) Birch Run of Meathouse Fork  
Well No. Cox #1 Elevation 960'  
District Greenbrier County Doddridge  
Quadrangle Big Isaac - Vadis 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, W. Va.  
PHONE 1-622-3871

Fred B. ...  
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 112,114,115,116,117,119,121,123,125,127, 129 and 502  
X NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

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

Address  
of  
Well Operator

Very truly yours,  
(Sign Name) United Operating Company  
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- 2927 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 Fred B. ...

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

PROPOSED WORK ORDER TO  DRILL  DEEPEN  FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If known)

NAME Gene Stalaker, Inc.

ADDRESS P. O. Box 178

TELEPHONE Glenville, WV 26351

ESTIMATED DEPTH OF COMPLETED WELL: 3200

PROPOSED GEOLOGICAL FORMATION: Gordon

TYPE OF WELL:  OIL  GAS  COMB.  STORAGE  DISPOSAL

RECYCLING  WATER FLOOD  OTHER

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	40'	40'	circulated to surface
7			
5 1/2			
4 1/2	3200'	3200'	1500' fillup as required
3			Perf. Top Rule 15:0;
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET SALT WATER FEET

APPROXIMATE COAL DEPTHS NA

IS COAL BEING MINED IN THE AREA? 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

RECEIVED

FORM 06-8

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 TRIPPLICATE. 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.

NA  
COAL OPERATOR OR OWNER  
ADDRESS  
COAL OPERATOR OR OWNER  
ADDRESS  
Heirs of J. S. Cox  
LEASE OR PROPERTY OWNER  
Walker, W. Va.  
ADDRESS

United Operating Company  
NAME OF WELL OPERATOR  
526 Commerce Square, Charleston, WV 25301  
COMPLETE ADDRESS  
December 10 1981  
WELL AND LOCATION  
Greenbrier District  
Doddridge County  
Well No. J. S. Cox #1  
R. L. Johnson Farm

STATE INSPECTOR SUPERVISING PLUGGING NONE (I.L. MORRIS WELL SERVICE & DOWELL)

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Kanawha } ss:

M. O. Marsh and S. W. Nicholson  
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 27 day of April, 1981, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
2050-1422	REGULAR NEAT CEMENT 21.5 BBL JELL	8BBL CEMENT	ONE JT	1568'
1240 FT.	CUT PIPE PUMP 25 BBL JELL BREAK CIRCULATION PULL ONE JOINT SET			
	8 BBL NEAT CEMENT PLUG WAIT FOR RIG TO PULL 26 JOINTS 4 1/2 CASING PUMP 5 BBL TO BRAAK CIRCULATION MIX & PUMP 10 BBL NEAT CEMENT PLUG & DISPLACE, PULLED ALL OF CASING BUT TWO JOINTS PUMPED 8 BBL NEAT CEMENT PLUG & CIRCULATE HOLE, PULLED LAST TWO JOINTS AND FILLED HOLE WITH NEAT CEMENT, SET MONUMENT AND FILLED WITH NEAT CEMENT. 156 SACKS OF NEAT CEMENT USED.			
252-200FT				
60-0				
4 1/2" CASING			1240'	1568
8 5/8" CASING	LEFT IN HOLE			241'
COAL SEAMS			DESCRIPTION OF MONUMENT	
(NAME)				
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 27th day of April, 1981.

And further deponents saith not.

Michael O. Marsh

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

William A. [Signature]

Notary Public.

My commission expires: Dec. 12, 1990

Permit No. 017-2927-P