

0.635  
TOPG. LOC. 7.5 SERIES



LONGITUDE 80° 40'



39 11 55  
80 40 10

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1050 ± NW OF LOC. ELEV. = 1209'

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. Mark C. Echard  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

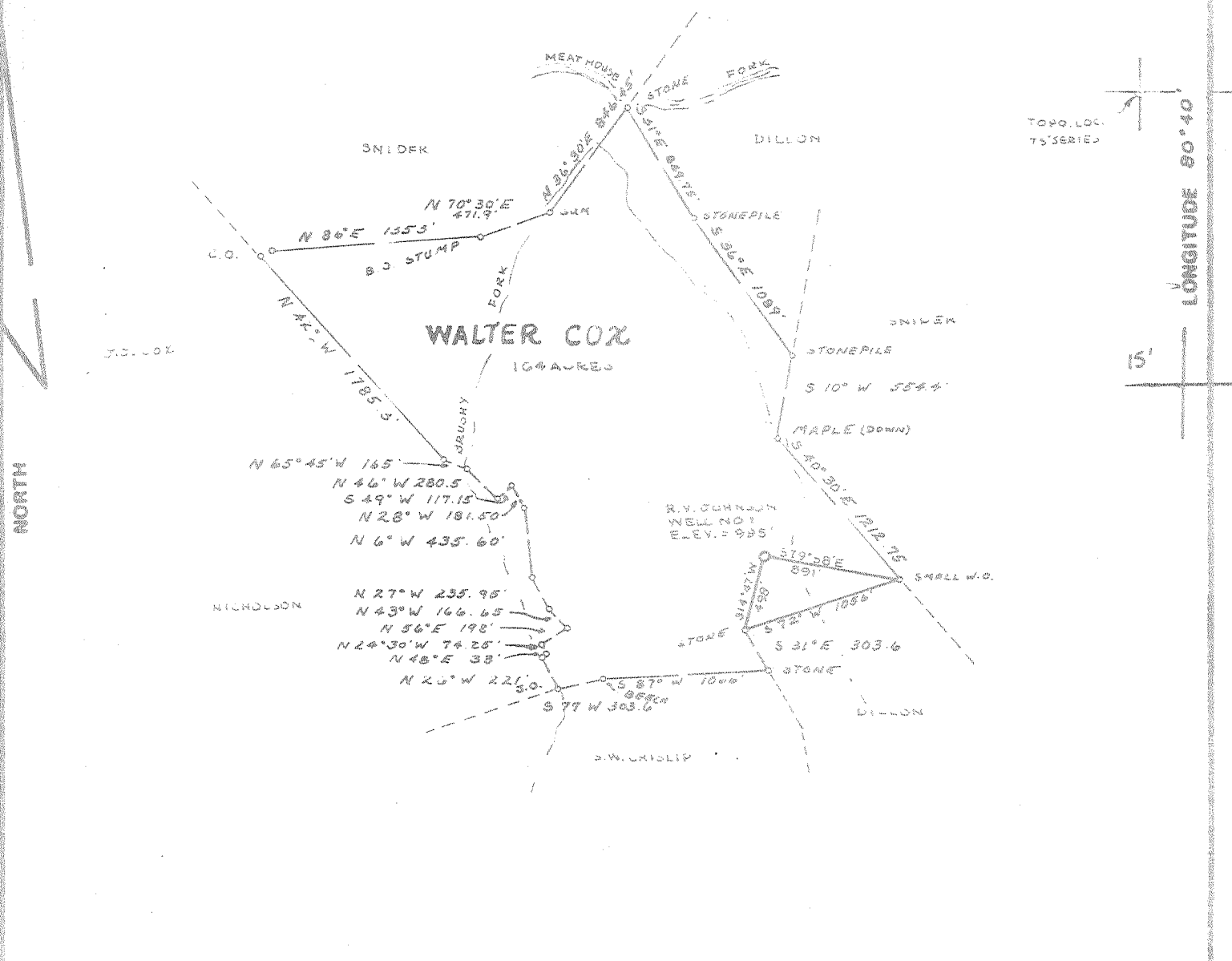


DATE APRIL 15, 1980  
 OPERATOR'S WELL NO. 1 (ONE)  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2737  
 STATE COUNTY PERMIT

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 995' WATER SHED BRUSHY FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5' VADIS 15' NW  
 SURFACE OWNER W. E. M. COX ACREAGE 164  
 OIL & GAS ROYALTY OWNER WALTER COX LEASE ACREAGE 164  
 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 SLK ESTIMATED DEPTH 5475' ±  
 WELL OPERATOR RUSSELL J. JOHNSON, JR. DESIGNATED AGENT GAI SMYTHE  
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"  
GLENNVILLE, WV 26031



TOPO. LOC. TS SERIES

LONGITUDE 80°40'

15'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1050 ± NW OF LOC. - ELEV. = 1209'

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. Mark C. Echard  
 (SIGNED) MARK C. ECHARD  
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PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE APRIL 15, 1980  
 OPERATOR'S WELL NO. 1 (ONE)  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2737-P  
 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 995' WATER SHED BRUSHY FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5' VADIS 15'  
 SURFACE OWNER W. F. M. COX ACREAGE 1.04  
 OIL & GAS ROYALTY OWNER WALTER COX LEASE ACREAGE 1.04  
 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 SLK ESTIMATED DEPTH 5475'  
 WELL OPERATOR RUSSELLY JOHNSON JR. DESIGNATED AGENT AL WATHE  
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"  
GLENNVILLE, W.V. 26351 GLENNVILLE, W.V. 26351



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 20

Quadrangle New Milton 7.5'  
Permit No. 47-017-2737

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. X  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company Russell V. Johnson, Jr.  
Address Drawer "L"  
Farm Walter Cox #1 Acres 164  
Location (waters) Brushy Fork  
Well No. #1 Elev. 995'  
District New Milton County Doddridge  
The surface of tract is owned in fee by Walter and Mary Cox of New Milton WV

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu ft (Sks.)
Size 20-16			
Cond.			
	1230	1230	325 sks
		2317	125 sks
Uncs Used			

Address \_\_\_\_\_  
General Contractor by Walter Cox and Virgil White  
Drilling (Commenced) 5/29/80  
Drilling Completed 6/2/80  
Initial open flow -0- cu. ft. -0- bbls  
Initial production -0- cu. ft. per day -0- bbls  
Well open \_\_\_\_\_ hrs. before test -0- RP  
Well treatment details \_\_\_\_\_

Attach copy of cementing record.

500 # J-266 1000 HHP  
15,000 # 80/100 500 gal. 15% HCl  
40,000 # 20/40  
25 gal. Cla-Sta  
23 gal. Non-Emul.  
17 gal. F-78  
Gas was encountered at \_\_\_\_\_ feet \_\_\_\_\_ inches  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Producing Sand Big Injun Depth 2119-2216

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	50		
Sand and Shale			50	140		
Coal-Shale Black			140	150		
Shale-Gray			150	200		
Red Rock & Shale			200	971		
Red Rock (Shale)			971	1004		
Sand			1004	1012		
Shale			1012	1040		
Sand			1040	1050		
Shale & Red Rock			1050	1095		
Sand			1095	1099		
Shale & Red Rock			1099	1157		
Shale and Sand			1157	1497		
Sand & Shale			1497	2068		
Big Lime			2068	2111		
Big Injun			2111	2216		
Shale			2216	2309		
Weir			2309	2396		
Shale			2396	2524		
Limy Shale			2524	2674		
Hole washed out			2674	3121		
Gamma-Ray and Log			3121	4436		
unreadable						
OVER						

OCT 14 1980

OIL & GAS DIVISION

Hole Wet @ 1540

Stratification	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
			4436	4899		
			- 4899	4908		
			4908	5312		
			5312	5319		
			5319			
				5427		Logger's TD
				5550		Driller's TD
<p>Well has been partially plugged back to Float Shoe at 2317'.  Latch-down plug at 2278'. 4 1/2" pipe set to this level and  cemented in as noted on front of form.</p>						

Date \_\_\_\_\_ 19\_\_

APPROVED \_\_\_\_\_ Owner

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's  
Well No. Walter Cox #1

API Well No. 47-017-273  
State County

WELL TYPE: Oil X / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /  
LOCATION: Elevation: 995' Watershed: Brushy Fork  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Russell V, Johnson, Jr.  
Address Drawer "L"  
Glennville, WV 26351

DESIGNATED AGENT Gai L. Smythe  
Address Drawer "L"  
Glennville, WV 26351

OIL & GAS ROYALTY OWNER Walter Cox of New Milton,  
Address WV and Virgil White

COAL OPERATOR ---none---  
Address

ACREAGE 164 A.  
SURFACE OWNER Walter and Mary Cox  
Address New Milton, WV 26411  
Acreage 164 A

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name ---N/A---  
Address

FIELD SALE (IF MADE) TO:  
Name ---N/A---  
Address

Name N/A  
Address

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address 321 Beech  
Clarksburg, WV 26301

COAL LESSEE WITH DECLARATION ON RECORD:  
Name  
Address

RECEIVED  
MAY - 1 1980

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the state  
under a deed \_\_\_ / lease \_\_\_ / other contract \_\_\_ / dated \_\_\_, 19\_\_\_, of the  
undersigned well operator from Rockwell Petroleum Co.,  
said deed, lease, or other contract has been recorded:]

Recorded on \_\_\_, 19\_\_\_, in the office of the Clerk of the County Commission of \_\_\_  
County, West Virginia, in Book \_\_\_ at page \_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ /  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any  
action they wish to make or are required to make by Code § 22-4-3 must be filed with the Department  
within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed  
registered mail or delivered by hand to the above named coal operator, coal owner(s) and coal lessee  
before the day of the mailing or delivery of this Permit Application to the Department of Mines at  
Martinsburg, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
PHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
WASHINGTON STREET EAST  
MARTINSBURG, WV 25401  
PHONE: (304) 348-2092

BLANKET BOND

Russell V, Johnson, Jr.  
Operator  
By Gai L. Smythe  
Partner

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) \_\_\_\_\_  
Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5515 feet Rotary X / Cable tools \_\_\_\_\_ /  
Approximate water strata depths: Fresh, 125 feet; salt, \_\_\_\_\_ feet.  
Approximate coal seam depths: none Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

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	11-3/4			X		30'	30'		Kinds
Fresh water	8-5/8		20.0	X		1300'	1300'	350 sks	
Coal									Sizes
Intermediate									
Production	4 1/2		9.5	X			5360'	170 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE. THIS PERMIT SHALL NOT BE REQUIRED FOR FRACTURING OR STIMULATING A WELL WHERE FRACTURING OR STIMULATING IS THE PURPOSE OF THE WORK FOR WHICH A PERMIT IS SOUGHT AND IS NOTED AS SUCH ON THE FORM IV-2 FILED IN CONNECTION THEREWITH.

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 1-13-81

*[Signature]*  
Deputy Director - Oil & Gas Division

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 receipt thereof:

W A I V E R

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: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, 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.

Coal Operator or Owner	<u>Russell V. Johnson, Jr.</u>
Address	<u>1518 First City Place</u> <u>Oklahoma City, Okla. 73102</u>
Coal Operator or Owner	<u>October 28</u> 19 <u>88</u>
Address	<u>WELL AND LOCATION</u> <u>New Milton</u> District
Lease or Property Owner	<u>Doddridge</u> County
Address	WELL NO. <u>One</u>

STATE INSPECTOR SUPERVISING PLUGGING Walter & Mary Cox

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AFFIDAVIT

STATE OF OKLAHOMA  
County of Oklahoma ss: DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Dowell and Gai Smythe  
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 Russell V. Johnson, Jr., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15th day of October, 19 81, 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
Big Injun	Standard class H for cement plugs and 6 % gel between plugs	Cement Plug 2316'-1816'	41/2 1350	950
		Gel 1816'-1382'		
		Cement Plug 1382'-1200'	85/8 0	1229
		Gel 1200'-50'		
		Cement Plug 50'-0'		
Coal Seams		Description of Monument		
(Name)		Plugging monument		
(Name)		w/8 5/8" weld cap		
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 15th day of October, 19 81.  
And further deponents saith not.

Sworn to and subscribed before me this 10th day of November, 19 88.  
Russell V. Johnson, Jr. Operator  
Susan Rene Jackson Notary Public

My commission expires: October 12, 1991  
NOV 18 1988 Permit No. 017-2737-P