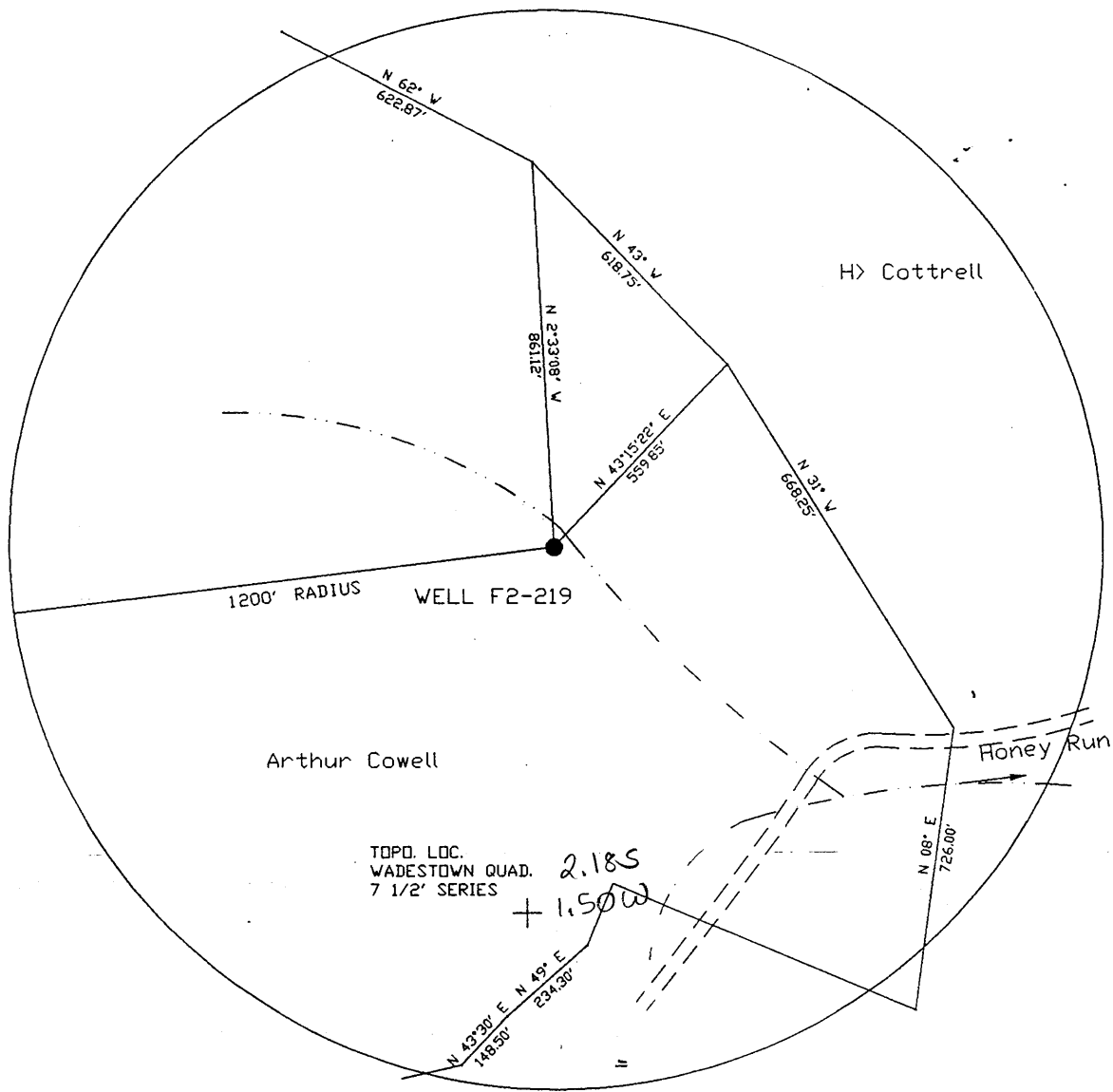


LATITUDE 39° 42' 30"

7925

LONGITUDE 80° 17' 30" 11500

NORTH



TOPG. LOC. WADESTOWN QUAD. 7 1/2' SERIES

2.185  
+ 1.50W

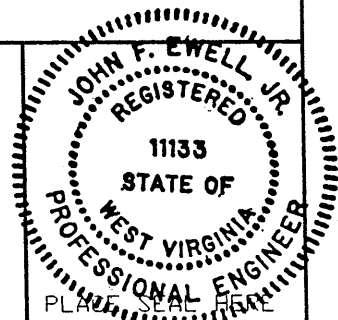
5.065

372W

FILE NO. F2-1-216  
 DRAWING NO. F2-2-269  
 SCALE 1"=400'  
 MINIMUM DEGREE OF ACCURACY 1/2500'  
 PROVEN SOURCE OF ELEVATION USGS B.M.

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) John F. Ewell Jr.  
 R.P.E. 11133 L.L.S.



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

FORM IV-6

(8-78)

WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506

DATE AUG. 8, 1998  
 OPERATOR'S WELL NO F2-219  
 API WELL NO.

47 - 061 - 01318-P  
 STATE COUNTY PERMIT

was 061 310A

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION STORAGE DEEP \_\_\_ SHALLOW X)

LOCATION: ELEVATION 1124 WATERSHED HONEY RUN  
 DISTRICT BATTELLE COUNTY MONONGALIA  
 QUADRANGLE WADESTOWN

SURFACE OWNER ARTHUR COWELL ACREAGE 149.35  
 OIL & GAS ROYALTY OWNER HOPE NATURAL GAS CO. LEASE ACREAGE 83  
 LEASE NO. 14549

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

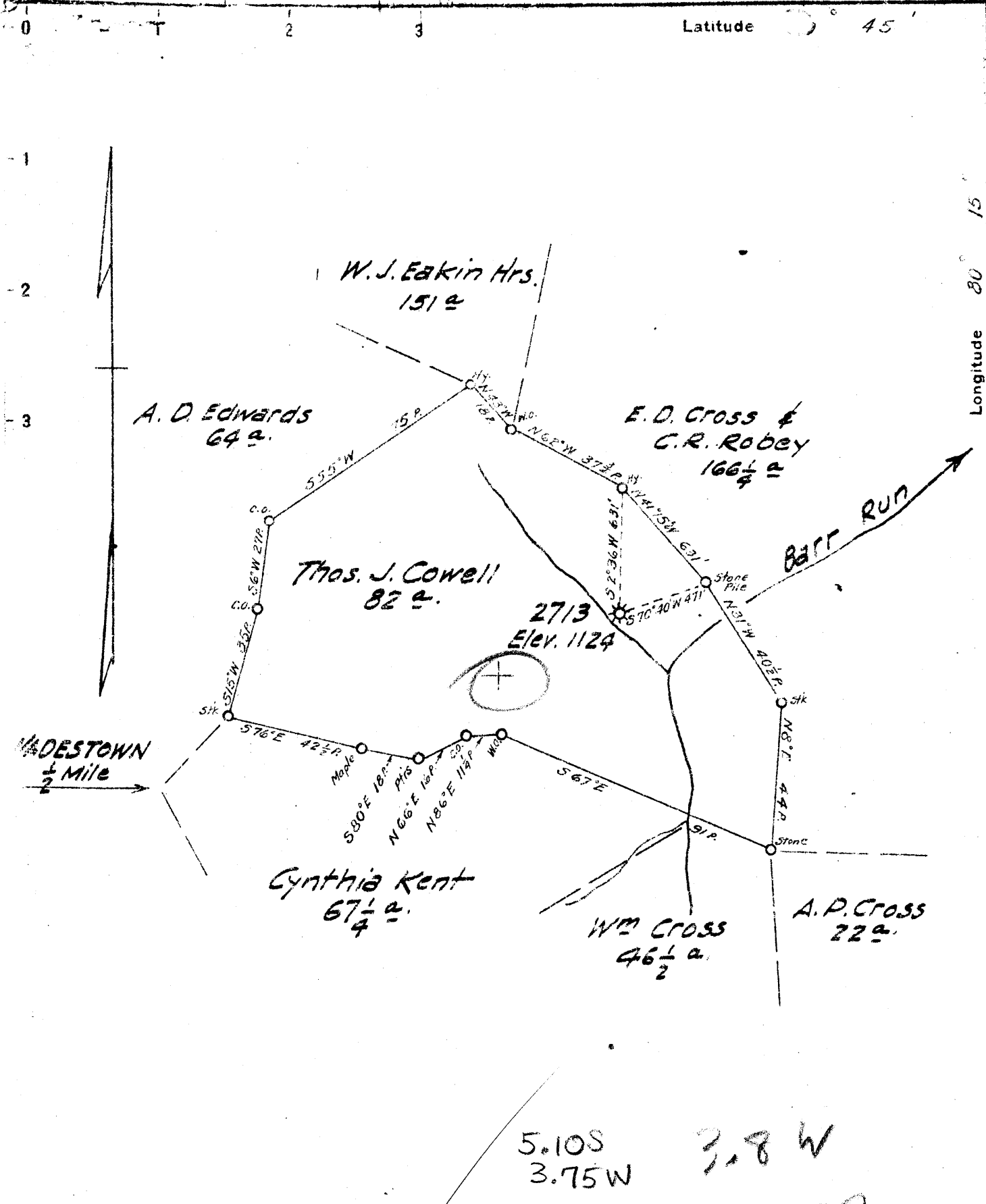
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG X  
 TARGET FORMATION BAYARD SAND ESTIMATED DEPTH 3424  
 WELL OPERATOR EASTERN ASSOC. COAL DESIGNATED AGENT TERRY D. HENDERSHOT  
 ADDRESS ROUTE 1 BOX 144 ADDRESS ROUTE 1 BOX 144  
FAIRVIEW WV. 26570 FAIRVIEW WV. 26570

*Plugging  
 the well  
 now.  
 Drill Date  
 unknown*

MONO

1318-P

AUG 11 1998



5.10S  
3.75W  
3.8 W  
5.2 Q

New Location   
 Drill Deeper   
 Abandonment

OCT 24 1944

MAP SH 17 SQ. N-16 E-17 N.B. 765 P17

Company HOPE NATURAL GAS CO.  
 Address CLARKSBURG, W. VA.  
 Farm THOMAS J. COWELL  
 Tract \_\_\_\_\_ Acres 82 Lease No. 14549  
 Well (Farm) No. 1 Serial No. 2713  
 Elevation (Spirit Level) 1124  
 Quadrangle MANNINGTON  
 County MONONGALIA District BATTELLE  
 Engineer W.M. Bowler  
 Engineer's Registration No. 900  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date OCT. 10, 1944 Scale 1" = 40 P.

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

WELL LOCATION MAP  
 FILE NO. MON-310-A

\* Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing

THOMAS J. COWELL No. 1 (2713) - HOPE N.G. CO. - Mon-310-A ~~2312~~



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

360

WELL RECORD

Permit No. *910-A*

Oil or Gas Well Gas  
(KIND)

Company Hope Natural Gas Company  
Address 445 W. Main St. Clarksburg, W. Va.  
Farm T. J. Cowell Acres 83  
Location (waters) L.F. Dunkard Creek  
Well No. 2713 Elev. 1124  
District Buffalo Bartlett County Monongalia  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 9-21-1912  
Drilling completed 1-7-1913  
Date Shot 8-17-1918 From 3131 To 3138  
With 15 qts  
Open Flow 46 /10ths Water in 1055 McF Inch  
2 /10ths Merc. in \_\_\_\_\_ Inch  
Volume 1,053.000 Cu. Ft.  
Rock Pressure 470 lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water 1842 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			B.H.
16			Kind of Packer <u>AMC.</u>
13	197	None	B.H.
10	1188	None	Size of <u>8 1/2 x 65/8</u>
8 1/4	1899	1890	<u>6 1/2 x 5 3/16</u>
6 5/8	2103	2103	Depth set <u>1898</u>
5 3/16	3017	3017	<u>2103</u>
3			<u>3017</u>
2	3438	3438	Perf. top _____
Liners Used			Perf. bottom _____
			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

**No record of any casing being cemented**

COAL WAS ENCOUNTERED AT 525 FEET 60 INCHES

885 FEET 72 INCHES 1048 FEET 240 INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native Coal			525	530			
Pittsburgh Coal			885	891			
Maxburg Coal			1048	1068			
Little Dunkard			1217	1295			
Big Dunkard			1372	1525			
Gas Sand			1565	1625			
First Salt			1630	1690	Water	1842	
Second Salt			1800	1900			
Little Lime			2063	2083			
Pencil Cave			2083	2091			
Big Lime			2091 2091	2161			
Big Injun			2161	2308	Gas	2190 - Show	
Slate			2308	2313			
Squaw			2313	2361			
Berea		Shell only					
Gantz			2653	2665			
Fifty Foot			2793	2872	Gas	2796	103 McF 6/10 W.2"
Thirty Foot			2903	2915			
Gordon Stray			3012	3027			
Gordon			3105	3112			
Fourth			3131	3162	Gas	3131	696 McF 20/10 Merc.2"
Fifth			3250	3254			
Bayard			3372	3383	Gas	3382	30/10 Merc.2 852 McF
Total depth				3424			

OCT 1914  
W. VA. DEPT. OF MINES  
RECORDS

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date October 4, 194 4

APPROVED Hope Natural Gas Company, Owner

By [Signature]  
Asst. to Gen. Supt. (Title)



Well No. *2713* Lease No. \_\_\_\_\_ Name *T. J. Cowell* District \_\_\_\_\_  
 District *PAT. Telle* County *Monongalia* State \_\_\_\_\_

Location Made \_\_\_\_\_ First Work Done \_\_\_\_\_  
 Rig Commenced \_\_\_\_\_ Rig Completed \_\_\_\_\_  
 Drilling Commenced \_\_\_\_\_ Drilling Completed *JAN. 7, 1913*  
 Rig Contractor \_\_\_\_\_ (Drilling Contractor)  
 Drillers \_\_\_\_\_ (H. N. G. Co. Tools, String No.)  
 Tool Dressers \_\_\_\_\_

FORMATION	Open or Close Hard or Soft	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal								
Pittsburgh Coal		<i>885</i>	<i>891</i>					
<del>Little</del> Dunkard		<i>1217</i>	<i>1525</i>					
Big Dunkard								
Gas Sand								
<del>Big</del> Salt		<i>1630</i>	<i>1900</i>		<i>1842</i>			
Second Salt								
Third Salt								
Maxon								
Little Lime								
Pencil Cave								
Big Lime								
Keener								
Big Injun		<i>2161</i>	<i>2308</i>				<i>2190</i>	
Squaw								
Weir								
Berea								
Gantz		<i>2653</i>	<i>2665</i>					
Fifty Foot		<i>2993</i>	<i>2872</i>				<i>2796</i>	
Thirty Foot		<i>2903</i>	<i>2915</i>					
Gordon Stray		<i>3012</i>	<i>3027</i>					
Gordon		<i>3105</i>	<i>3112</i>					
Fourth		<i>3131</i>	<i>3162</i>				<i>3131</i>	
Fifth		<i>3250</i>	<i>3254</i>					
<i>Bayard</i>		<i>3382</i>						
Total Depth			<i>3474</i>					

SIZE	Charged to Well		Put in Well		Pulled Out		Left in Well		Transferred Before Completing		Left at Well Not in Use		Steel Line Measurement		If more than two strings of casing are left in hole, give reasons for leaving additional string
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
13" Csg.															
10" "															
8 1/4" "															
6 5/8" "															
5 3/8" "															
Tbg.															

**PACKER RECORD**

SIZE	KIND	Amount Anchor	Amount Above Anchor	REMARKS

**SHOOTING RECORD (If shot before or upon completion of well)**

DATE	Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Hours	By Whom Shot
						Reading	Liquid	Opening	Reading	Liquid	Opening		

**CEMENTING RECORD**

Date Cemented \_\_\_\_\_ Size Hole Cemented \_\_\_\_\_ Size Casing Cemented \_\_\_\_\_  
 Top Pittsburgh Coal \_\_\_\_\_ Top Cementing \_\_\_\_\_ Amount Cement Used \_\_\_\_\_  
 Bottom Pittsburgh Coal \_\_\_\_\_ Bottom Cementing \_\_\_\_\_ Amount Sand Used \_\_\_\_\_  
 Mr. \_\_\_\_\_ of \_\_\_\_\_ Coal Company on ground when coal was cemented  
 Remarks: \_\_\_\_\_ Signature of persons who cemented well

Approved \_\_\_\_\_ Foreman

NR-38  
24-Aug-98

API # 47- 61-01318-P

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

JAN 14 1998

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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.

Farm name: COWELL, ARTHUR Operator Well No.: TJ COWELL #2713

LOCATION: Elevation: 1,124.00 Quadrangle: WADESTOWN  
District: BATTELLE County: MONONGALIA  
Latitude: 11500 Feet South of 39 Deg. 42 Min. 30 Sec.  
Longitude 7925 Feet West of 80 Deg. 17 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: Eastern Associated Coal Corp. Coal Operator Eastern Associated Coal Corp.  
1044 Miracle Run Road or Owner 1044 Miracle Run Road  
Fairview, W. Va. 26570 Fairview, W. Va. 26570

Agent: Terry O. Hendershot Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_

Permit Issued: 08/24/98

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Monongalia ss:

David Chisler and Craig Park 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 the above named well operator, and participated in the work of plugging and filling the above well, and Randal Mick Oil and Gas Inspector representing the Director, say that said work was commenced on the 27 day of August, 1998, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cleaned out to 1950				
Run Gamma Ray Neutron	and 3 Arm Caliper			
Run 2" tubing to 1950, 400	skts cement, pulled tubing, Top cement	1073		
Ripped old 8" pipe from 869 to 902				
Run 4 1/2" pipe to 1014 pulled	70' of 10" pipe cemented with 28	skts Portland and 100	skts Chem Comp.	
Pumped Plug to 993'				
Bailed water out in side 4 1/2"	pipe checked plug G.K.			
Pittsburgh Coal				

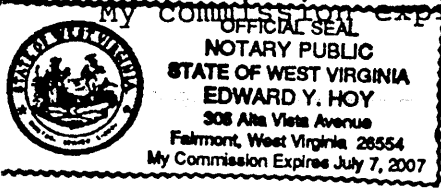
7/15/98

Description of monument: 4 1/2" X 2" Swedge Metal Plate A.P.I. No. and Date Plugged  
and that the work of plugging and filling said well was completed on the 7 day of October, 1998.

And further deponents saith not.

Dave Chisler  
Craig Park  
Notary Public  
Randal K. Mick

Sworn and subscribe before me this 23<sup>rd</sup> day of OCTOBER, 1998  
My Commission expires: JULY 07, 2007.



Oil and Gas Inspector: \_\_\_\_\_