

5900'

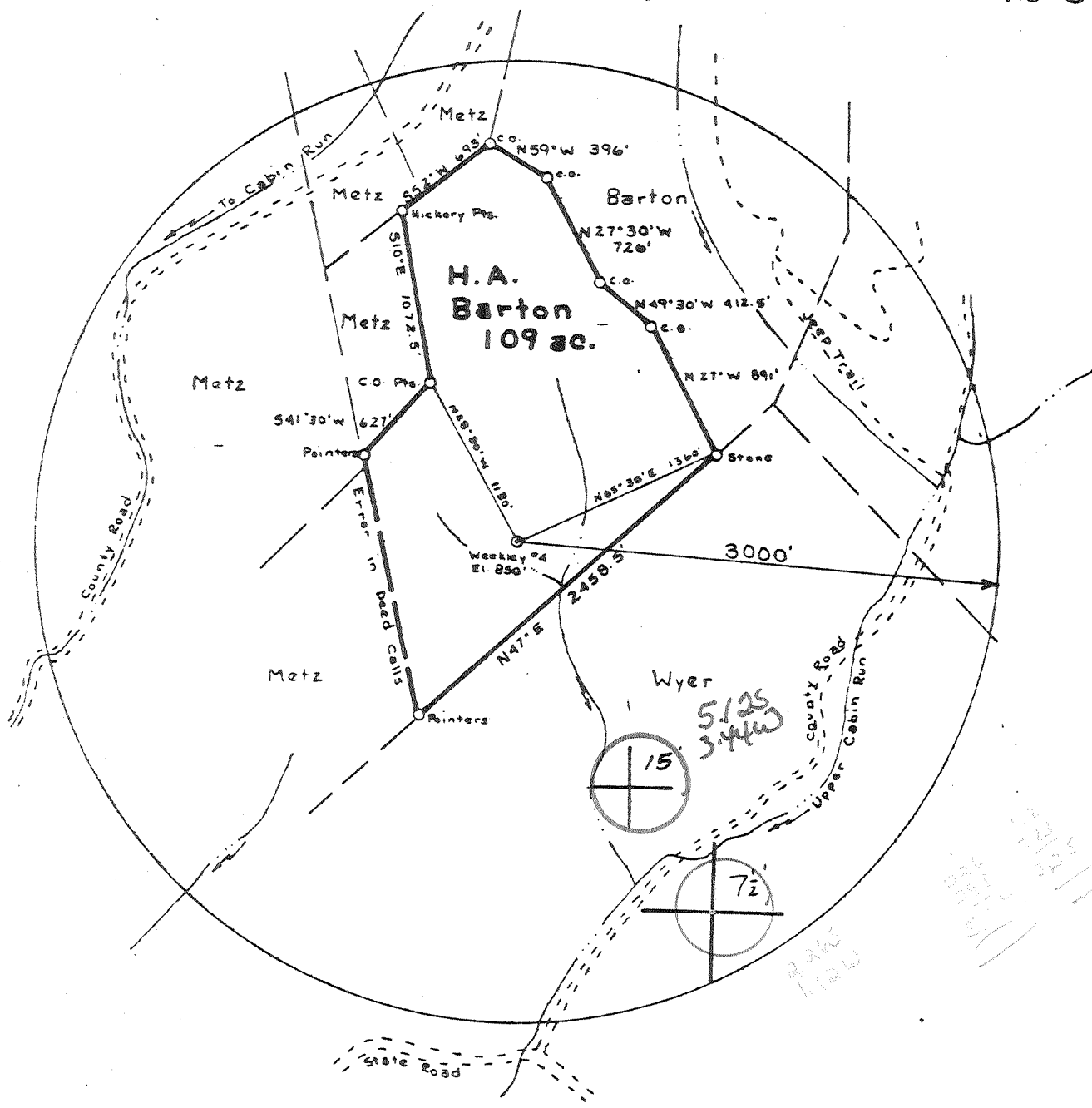
15'

LATITUDE 39°12'30"

LONGITUDE 81°12'30"

10

11925'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION Road Int. 684'

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) William F. Hassel  
 R.P.E. \_\_\_\_\_ L.L.S. 551

PLACE SEAL HERE

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



DATE 12 August, 1981  
 OPERATOR'S WELL NO Weekly #4  
 API WELL NO. 47-085-5245  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION  STORAGE \_\_\_\_\_ DEEP  SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 850' WATER SHED Upper Cabin Run  
 DISTRICT Grant COUNTY Ritchie  
 QUADRANGLE Cairo, W. Va. 7 1/2' Quad Hartsville, NW 057  
 SURFACE OWNER H.A. + Laverne Barton ACREAGE 109  
 OIL & GAS ROYALTY OWNER H.A. + Laverne Barton LEASE ACREAGE 109  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUS OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ ESTIMATED DEPTH 5900'<sup>3.0</sup>  
 TARGET FORMATION Oriskany DESIGNATED AGENT Ted B. Law Recy (115)  
 WELL OPERATOR B+L Oil Co. ADDRESS Box 478 DPT-Oriskany  
 ADDRESS Box 478 Alderson, W. Va. 24190

AUG 31 1981

deepwell



Well No. Weekley #4  
Farm H. A. Barton  
API # 47-085-5245  
Date August 12, 1981

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil      / Gas X /  
(If "Gas", Production X / Underground storage      / Deep X / Shallow      /

LOCATION: Elevation: 850 Watershed: Upper Cabin Run  
District: Grant County: Ritchie Quadrangle: Cairo, WV.

WELL OPERATOR B. & L. Oil Company  
Address Box 478  
Alderson, WV 24910

DESIGNATED AGENT Ted B. Law  
Address Same

OIL AND GAS  
ROYALTY OWNER H. A. & Laverne Barton  
Address 1402 Northcrest Drive  
Albemarle, N. C. 28001  
Acreage 109

COAL OPERATOR None  
Address     

SURFACE OWNER Same as above  
Address       
Acreage     

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME None  
Address     

FIELD SALE (IF MADE) TO:  
NAME       
Address     

NAME       
Address     

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME K. Paul Goodnight  
Address Smithville, WV 26178  
Telephone 204-477-2455

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME       
Address     

RECEIVED

AUG 14 1981

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease X / other contract      / dated May 21, 1965, to the undersigned well operator from B. R. & Justine Weekley.

(If said deed, lease, or other contract has been recorded:)

Recorded on     , 19    , in the office of the Clerk of County Commission of Ritchie County, West Virginia, in 104 Book at page 458. 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 objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

BLANKET BOND

B. & L. Oil Company  
Well Operator

By: Ted B. Law

Its: President

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Haight, Inc.

Address Smithville, WV 26178

GEOLOGICAL TARGET FORMATION Oriskany

Estimated depth of completed well 5900 feet. Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 200 feet; salt, 1050 feet.  
Approximate coal seam depths: none  
Is coal being mined in this area: Yes      / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS Kinds Sizes Depths set
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	17"			X		30'	30'	6	
Fresh water	8-5/8"		23	X		1000	1000	Cement to surface	
Coal									
Intermed.									
Production Tubing	4-1/2"	10.50		X		Total Depth			
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 dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 5-18-82.

Fred B. Brundage  
Deputy Director - Oil & Gas Division

*Survey*

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 regularions.

Date:     , 19    .

By:     

Its:

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MAY 11 1988



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WR-35

State of West Virginia

DEPARTMENT OF ENERGY  
Oil and Gas Division

Date April 28, 1988  
Operator's  
Well No. No. 4  
Farm Barton/Weekly  
API No. 47 - 085 - 5245

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

LOCATION: Elevation: 850' Watershed Upper Cabin Run  
District: Grant County Ritchie Quadrangle Cairo 7.5'

COMPANY Waco Oil and Gas Company, Inc.  
ADDRESS P. O. Box 397, Glenville, WV 26351  
DESIGNATED AGENT Stephen E. Holloway  
ADDRESS P. O. Box. 397 Glenville, WV 26351  
SURFACE OWNER H. A. & Laverne Barton  
ADDRESS Albemarle, NC 28001  
MINERAL RIGHTS OWNER H. A. and Laverne Barton  
ADDRESS Albemarle, NC 28001  
OIL AND GAS INSPECTOR FOR THIS WORK Samuel Hersman ADDRESS Smithville, WV  
PERMIT ISSUED August 18, 1981  
DRILLING COMMENCED 8-22-81  
DRILLING COMPLETED August 28, 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	1000	1000	Surf.
7			
5 1/2			
4 1/2		5596	NA
3			
2-7/8		5928	NA
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 5900 feet  
Depth of completed well 5963 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh NA feet; Salt NA feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Huntersville, Chert, Shale, Berea Pay zone depth See Treatment feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow ? N/A Mcf/d Final open flow ? N/A Bbl/d  
Time of open flow between initial and final tests N/A hours  
Static rock pressure N/A psig (surface measurement) after N/A hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ 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

MAY 13 1988

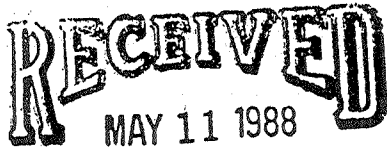
DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

1st Stage: Huntersville Chert (5775-5737) (40) No Information

2nd Stage: Devonian Shale (5457-5258) (33) No Information

3rd Stage: Berea (2260-2258) (3) No Information

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
No information available from 0'-1500'					No records of Water encountered if any
Sand, Shale			1500	1692	 MAY 11 1988 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY  T. D.
Big Lime			1692	1755	
Big Injun			1755	1844	
Squaw			1844	1884	
Sand,,Shale:			2884	2266	
Berea			2266	2269	
Shale			2269	5603	
Marcellus Shale			5603	5664	
Onondaga Limestone			5664	5707	
Huntersville Chert			5707	5862	
Oriskany Sandstone			5862	5943	
<u>Helderberg Limestone</u>			5943	5963	

UDO 3329  
 B 3329  
 J 4975  
 A 4975  
 Rn 3175

(Attach separate sheets as necessary)

Waco Oil and Gas Company, Inc.  
 Well Operator

By: Daniel R. Chapman, Geologist

Date: April 28, 1988

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."

MAY 13 1988

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
DIVISION OF OIL AND GAS

085 5245

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: Barton, H. A. & Laverne Weekley #4 - API # 47-085-5245-P  
LOCATION: Elevation: 8250 <sup>850'</sup> Quadrangle: Cairo 7.5'  
District: Grant County: Ritchie  
Latitude:  
Longitude:

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

Company: R. L. Wharton, Ltd Coal Operator \_\_\_\_\_  
Route 6, Box 123 or Owner \_\_\_\_\_  
Buckhannon, WV 26201

Agent: Bette A. Damron Coal Operator \_\_\_\_\_  
Inspector: Samuel Hersman or Owner \_\_\_\_\_  
Permit Issued: \_\_\_\_\_

AFFIDAVIT

APPROVED BY DIST. INSPECTOR  
Samuel Hersman 8-19-92  
OIL & GAS INSPECTOR

STATE OF WEST VIRGINIA,  
County of Upshur ss:

Robert L. Wharton and Larry Helmick being

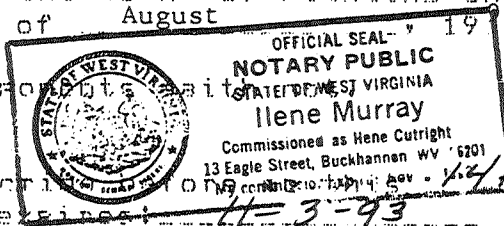
first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. L. Wharton, Ltd., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27th day of July, 1992, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cut 2" @ 4086			4086	1842
Cut 4 1/2" @ 1180			1180	4416
Cement	4086	3986		
Gel	3986	0		
Cement	3087	2987		
Cement	1180	980		
Cement	96	0		
			8"	1000

Description of monument: 7" CASING WITH NUMBER ON TOP

and that the work of plugging and filling said well was completed on the 7th day of August, 1992.

And further depose and say:



Sworn and subscribed to before me on this 11th day of August, 1992.  
My commission expires 11-3-93

R. L. Wharton  
Larry P. Helmick  
Ilene Murray  
Notary Public