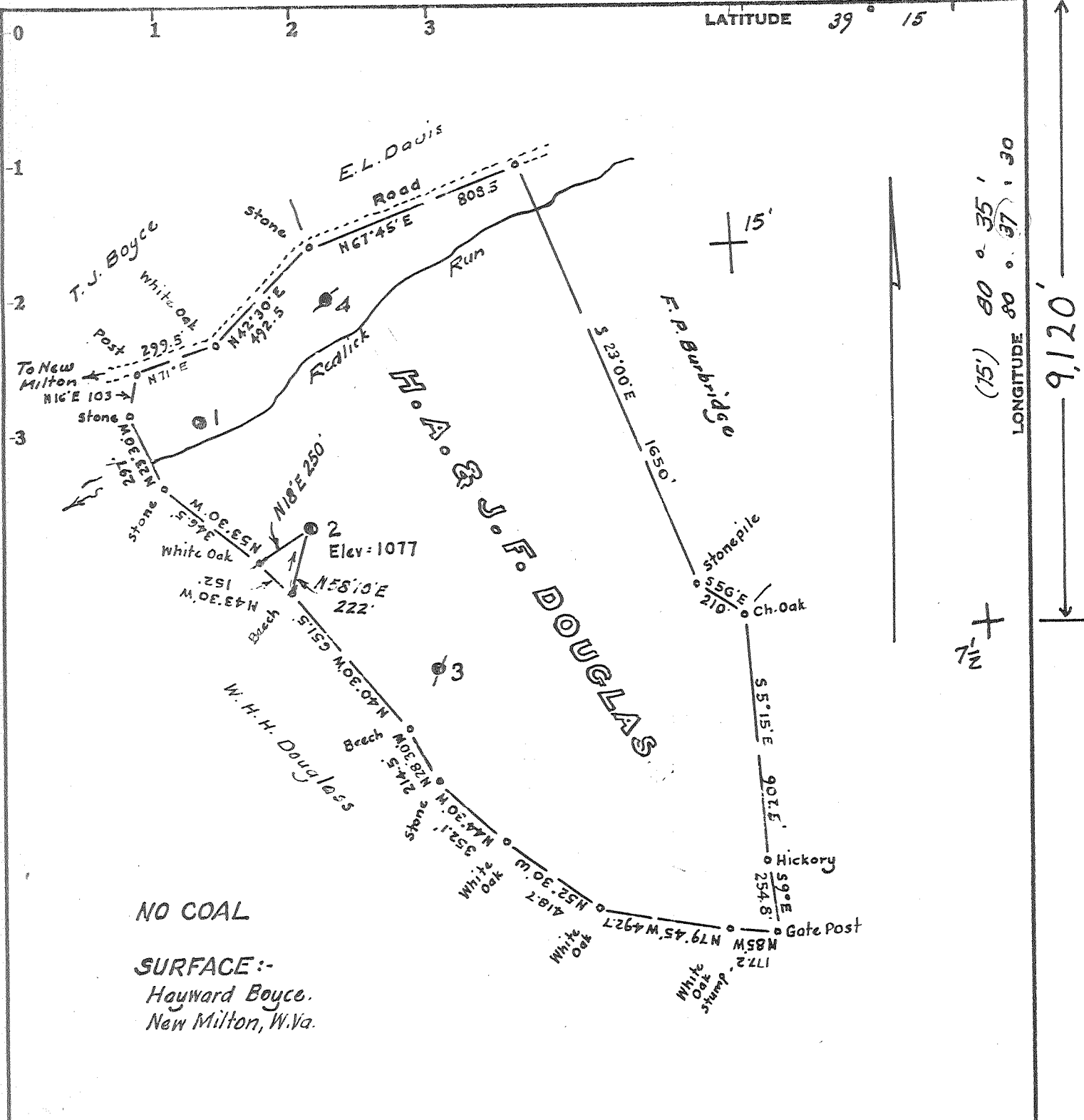


610' →

LATITUDE 39° 15'



LONGITUDE 80° 35' (15') 80° 37' 30

9,120'

NO COAL

SURFACE:-
Hayward Boyce.
New Milton, W.Va.

Minimum Error of Closure 1 in 200
Source of Elevation USGS BM 4000' N.W. = 830

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.

Fracture.....
New Location.....
Drill Deeper.....
Abandonment..... 10/13/78

Signed: W. H. H. Douglas
Squares: N S E W

Map No.

Company UNITED OPERATING CO. 899
 Address 600 Commerce Sq., Charleston, W.Va.
 Farm H.A. & J.F. Douglas, HAYWARD BOYCE
 Tract _____ Acres 77.32 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1077
 Quadrangle New Milton 3 1/2 Vadis 15'
 County Doddridge District New Milton
 Engineer W. H. H. Douglas
 Engineer's Registration No. 1227 LLS 200'
 File No. _____ Drawing No. _____
 Date Nov. 1977 Scale 1" = 500'

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

WELL LOCATION MAP

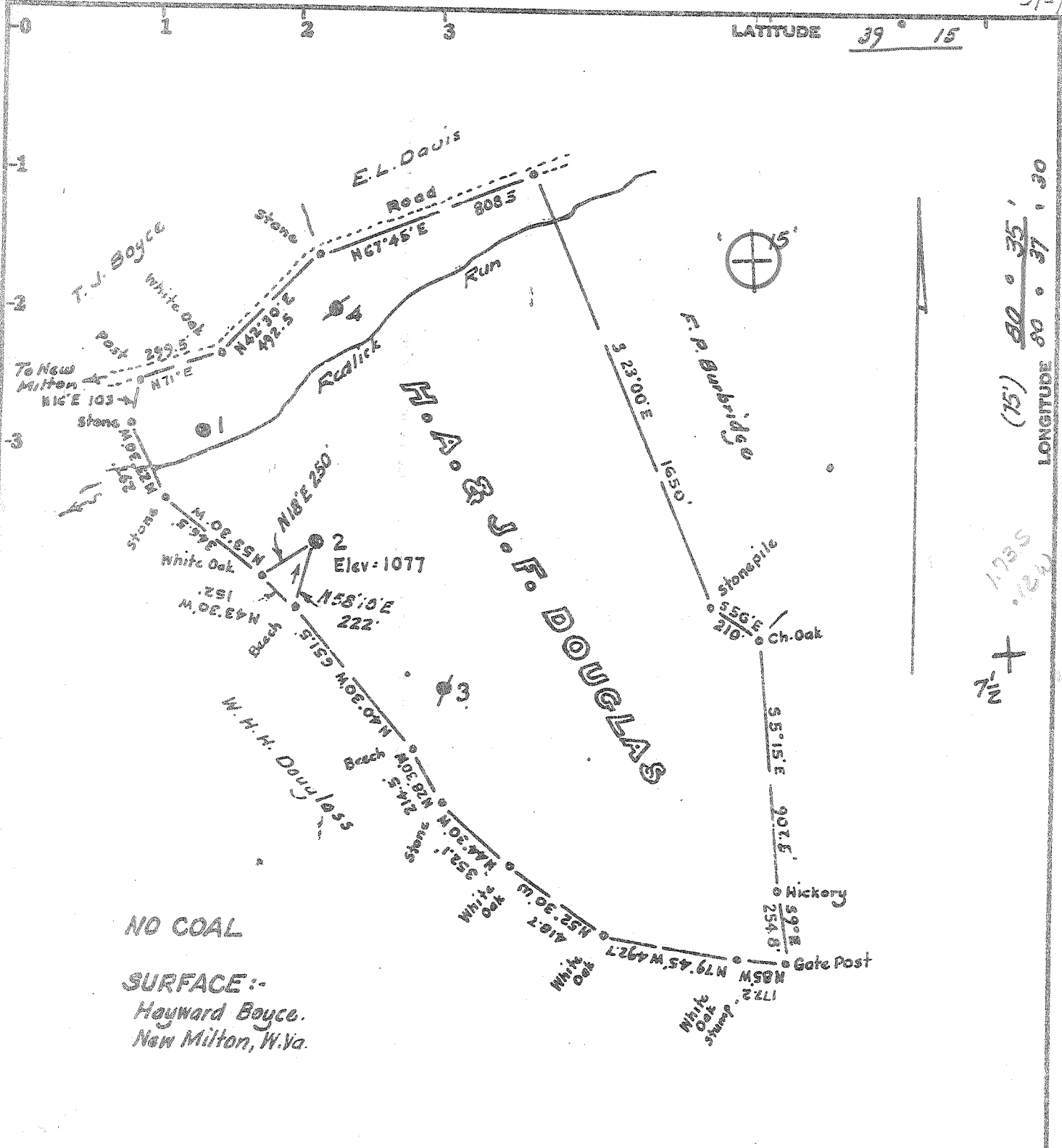
FILE NO. DODD-1889-DD-P

Plugging Permit Cancelled
+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-017

3/2/78



NO COAL

SURFACE:-
Hayward Boyce.
New Milton, W.Va.

Minimum Error of Closure 1 in 200

Source of Elevation USGS BM 4000' N.W. = 830

Fracture.....
New Location.....
Drill Deeper.....
Abandonment..... 10/13/78

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.

Signed: [Signature]
Squares: N S E W

Company UNITED OPERATING CO.
 Address 600 Commerce Sq. Charleston, W.Va.
 Farm H.A. & J.F. Douglas, HAYWARD BOYCE
 Tract _____ Acres 77.32 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1077 NC
 Quadrangle New Milton 7 1/2 Vadis 15'
 County Doddridge District New Milton
 Engineer [Signature]
 Engineer's Registration No. 1227 LLS 200'
 File No. _____ Drawing No. _____
 Date Nov. 1977 Scale 1" = 500'

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

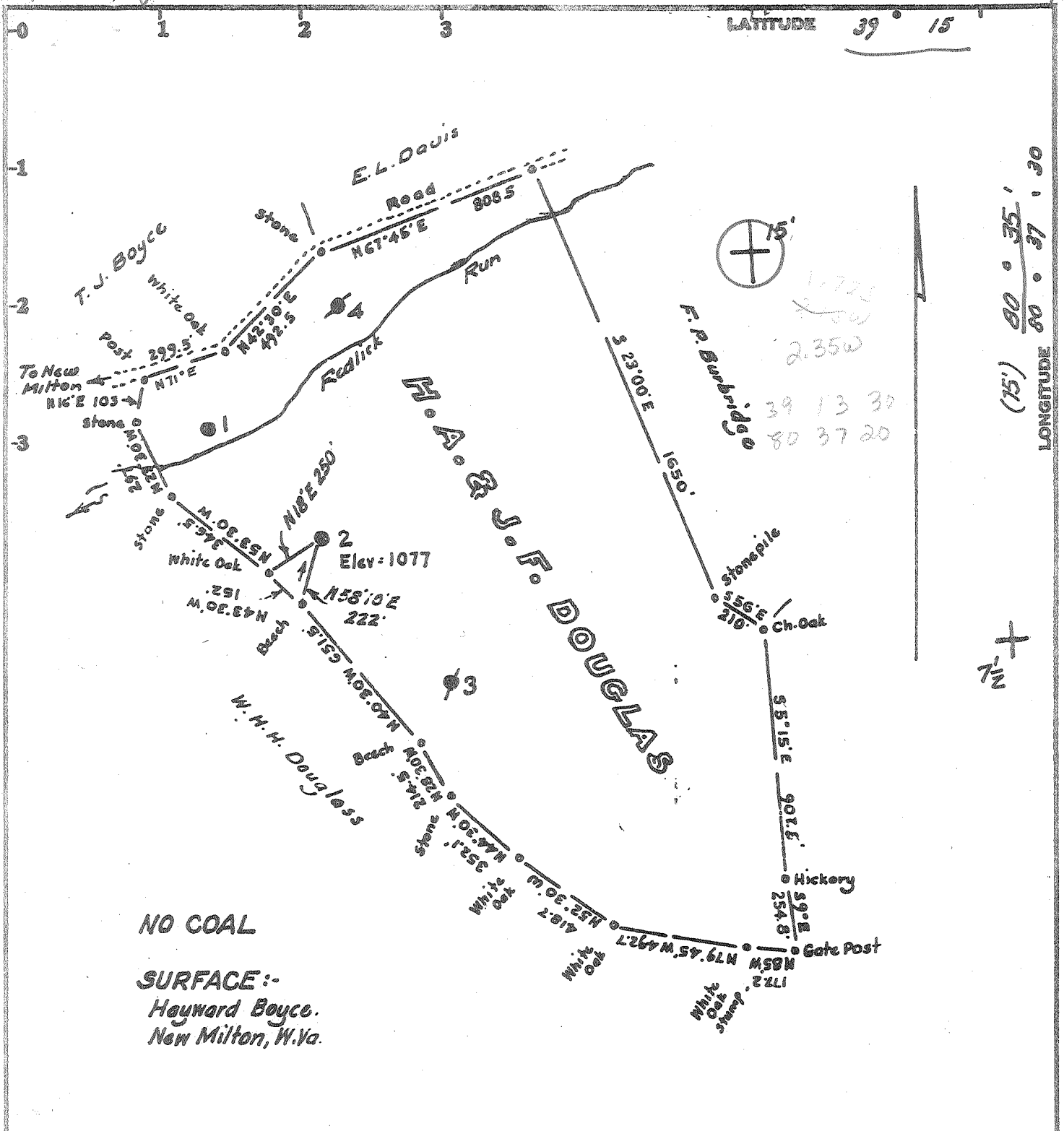
WELL LOCATION MAP
 FILE NO. DODD-1889-DD-P

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{24,000}/_{62,500} latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

OCT 30 1978

47-017



NO COAL
SURFACE:-
 Hayward Boyce.
 New Milton, W.Va.

Minimum Error of Closure Lin 200
 Source of Elevation USGS BM 4000 N.W. = 830

Fracture.....
 New Location.....
 Drill Deeper.....
 Abandonment.....

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.

Signed: W. H. H. Douglas
 Squares: N S E W

Company UNITED OPERATING CO.
 Address 600 Commerce Sq. Charleston, W.Va.
 Farm H.A. & J.E. Douglas, HAYWARD BOYCE
 Tract _____ Acres 77.32 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1077 *NC*
 Quadrangle New Milton 7 1/2 Vadis 15'
 County Doddridge District New Milton
 Engineer W. H. H. Douglas
 Engineer's Registration No. 1227 LLS 200'
 File No. _____ Drawing No. _____
 Date Nov. 1977 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DODD-1889-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 MAR 13 1978
 - Denotes one inch spaces on border line of original tracing.
47-017



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

OCT 13 1978

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle VADIS
Permit No. DODD-1889-DD

Rotary _____ Oil _____
Cable X Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ My
(K/d)

Company United Operating Company
Address 600 Commerce Sq., Charleston, WV
Farm J. F. Douglas Acres 77
Location (waters) Red Lick Run
Well No. 2 Elev. 1077
District New Milton County Doddridge
The surface of tract is owned in fee by _____
H. Boyce
Address New Milton, WV
Mineral rights are owned by L. Pigott & Douglas
Heirs Address West Union, WV
Drilling Commenced 4-1-78
Drilling Completed 4-14-78
Initial open flow 0 cu. ft. _____ bbls.
Final production 0 cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	1149		
7	1988		
5 1/2			
4 1/2	2400	**	
3			
2			
Liners Used			

Well treatment details:

No Treatment.

Attach copy of cementing record.

**Could not get cement job.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-Big Injun	Grey	Soft	2,096	2,144		
Shale & Siltstone	Grey	Soft	2,144	2,244		
Weir			2,244	2,334	No Gas	
Shale	Grey	Soft	2,334	2,458	T.D.	

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

MAR - 3 1978

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 1, 1978

Surface Owner Hayward Boyce
Address New Milton, WV
Mineral Owner L. Pigott-Douglas Heirs
Address West Union, WV
Coal Owner None
Address _____
Coal Operator _____
Address _____

Company United Operating Company
Address 600 Commerce Sq., Charleston, WV
Farm H.A. & J.F. Douglas Acres 77.32
Location (waters) Red Lick Run
Well No. 2 Elevation 1077
District New Milton County Doddridge
Quadrangle 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 deepening. This permit shall expire if operations have not commenced by 7-6-78.

Robert P. ...
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, WV
PHONE 622-3871

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 November 2 1975 by P&M Oil Company made to United Operating Co. and recorded on the 15th day of April 1915 in Doddridge County, Book 31 Page 216 (Original Lease data)
NEW WELL XX 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) J. L. ...
Well Operator
600 Commerce Square
Street
Charleston,
City or Town
WV 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.

"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 J. L. Trittipop

Dodd-1889-00 PERMIT NUMBER
47-017

Surveyor

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

PROPOSED WORK ORDER TO _____ DRILL XX DEEPEN _____ FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME L. Pigott Cable Tool/Rotary possible NAME Lyle Coffman - Jack Trittipo
 ADDRESS West Union, W. Va. ADDRESS 600 Commerce Square, Charleston
 TELEPHONE 873-2209 TELEPHONE 343-9383 or 462-7176
 ESTIMATED DEPTH OF COMPLETED WELL: 5,000' ROTARY Poss. or CABLE TOOLS Poss.
 PROPOSED GEOLOGICAL FORMATION: Benson-unless production found at shallower depth.
 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		1149'	
7		1988'	
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95-98' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? No 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:

UNITED OPERATING COMPANY - 600 Commerce Square, Charleston, WV 25301

Records from Original well book:

H. A. & J. F. Douglas Farm - 77.32 acres
 New Milton District - Vadis 15' Quadrangle - Doddridge County.

This well was drilled on August 11, 1924 and completed on October 6, 1924. It showed 9 bailers of water at 95'-98'.

Top of Big Lime - 1985'
 Top of Big Injun - 2034'
 Bottom of Big Injun - 2080'
 Slate-Shale - 2080' to 2096'

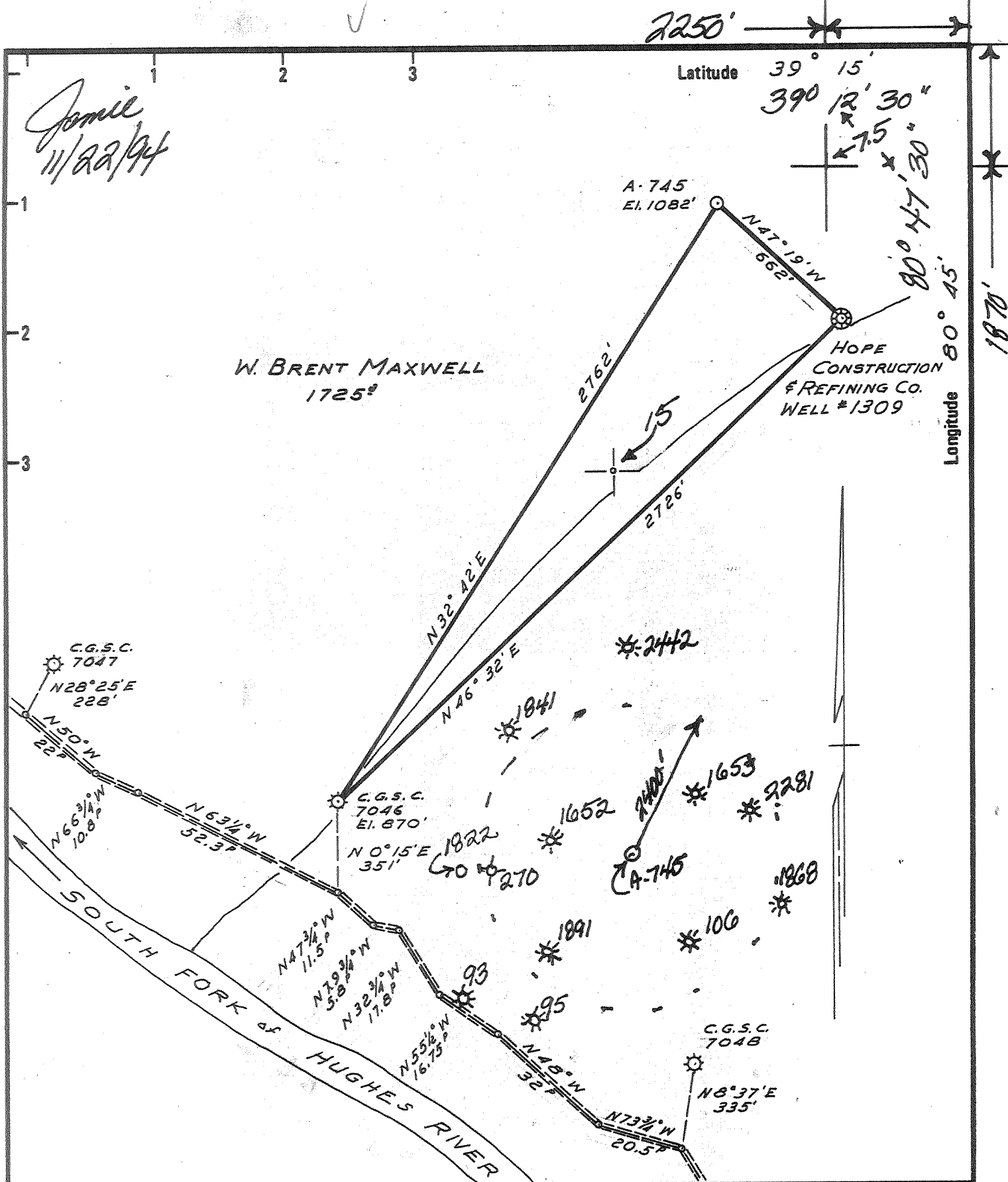
The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

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



Minimum Error of Closure ONE PART IN 200
 Source of Elevation C.G.S.C. WELL # 7046 ELEV. 870'

New Location
 Drill Deeper
 Abandonment

"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."

Company C.E. Nesler
 Address P.O. Box 154 West Union, W.V.
 Farm W. BRENT MAXWELL 20456
 Operator Beatrice H. Schatzman Subcontractor
 Tract Acres 2400 Lease No.

Well (Farm) No. _____ Serial No. A-745
 Elevation (Spirit Level) 1082'
 Quadrangle HOLBROOK 15 / Oxford 7.5
 County DODDRIDGE District SOUTH WEST
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 200 Drawing No. I-600
 Date 4-13-78 Scale 1" = 500'

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil & Gas
 Nitro, W.V.

WELL LOCATION MAP
 Oil Well No. 47-017-01890-7.

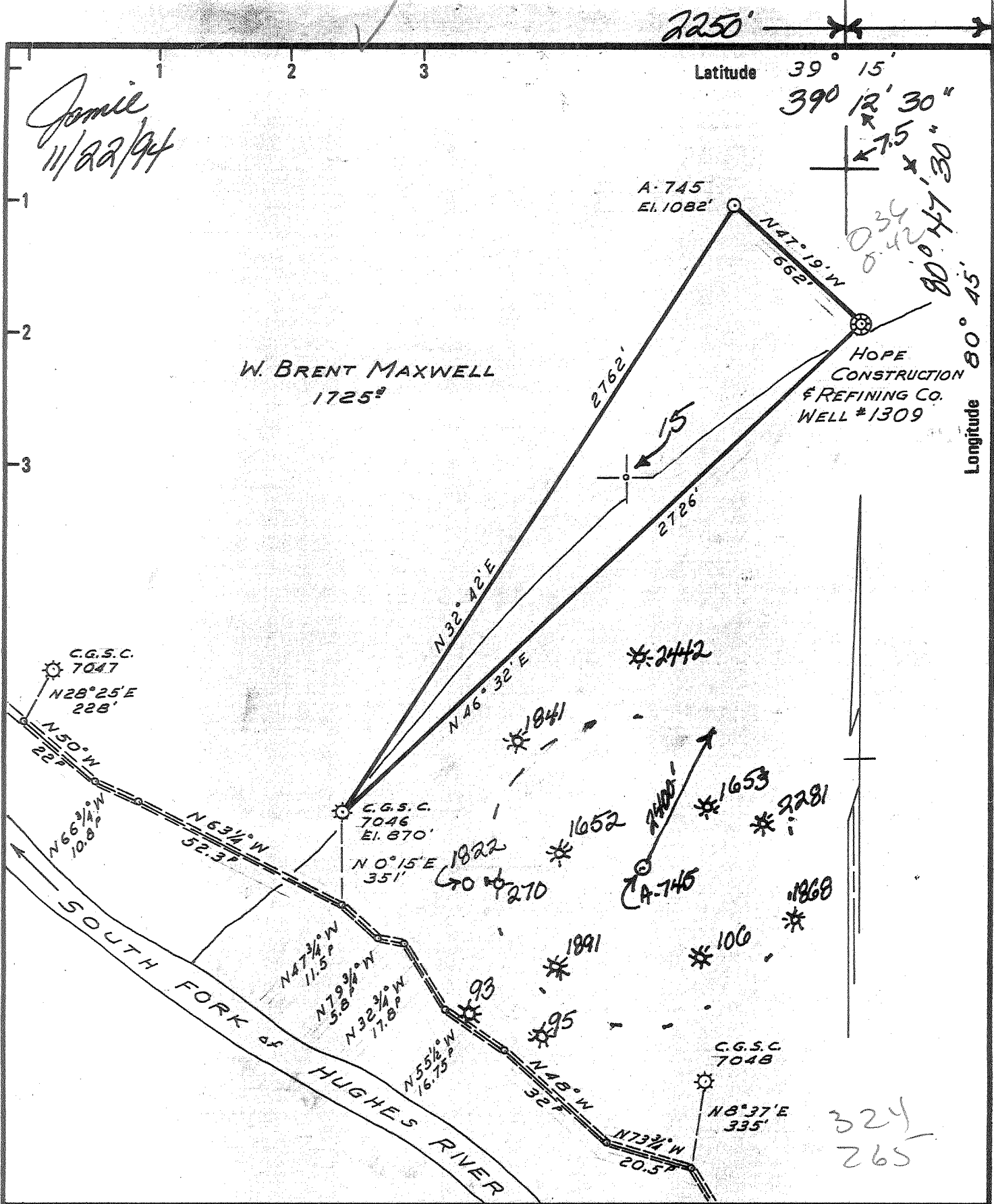
Free Cancelled

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- Denotes one inch spaces on border line of original tracing.

JUL 3 1997
 Frac depth 1836' - 1896'

0000 1890 F



New Location Drill Deeper Abandonment

Minimum Error of Closure ONE PART IN 200
 Source of Elevation C.G.S.C. WELL # 7046 ELEV. 870'

"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."

Company C. E. Nesler
 Address P.O. Box 154 West Union, W.V.
 Farm W. BRENT MAXWELL 26456
 Tract Beatrice H. Scharfman Subac for Frac Acres 2400 Lease No. _____
 Well (Farm) No. _____ Serial No. A-745
 Elevation (Spirit Level) 1082'
 Quadrangle HOLBROOK 15 / Oxford 7.5 N
 County DODDRIDGE District SOUTH WEST
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 200 Drawing No. I-600
 Date 4-13-78 Scale 1" = 500'

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil & Gas
 Nitro, W.V.

WELL LOCATION MAP
 Well No. 47-017-01890-7.

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Frac layer 1836'-1896'