

* THIS IS CORRECT LOCATION FOR 47-017-2532 TO BE DRILLED TO TO 5400'

39 14 15
80 52 10

OWNERSHIP

No coal
Surface and Oil & Gas is owned by:
Goldie Wilson
35 Robinson Court
Shinnston, W.Va.

NOTE: No metes and bounds description available for this 10 ac. tract.

Minimum Error of Closure _____
Source of Elevation Eley on road at road leading up to
Cabin Run Church = 865'

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.....

Signed: *W. S. Tucker*
Squares: N S E W

Company UNITED OPERATING CO.
Address 600 Commerce Sq., Charleston, W. Va.
Farm Charles Wilson GOLDIE WILSON
Tract _____ Acres 91 Lease No. _____
Well (Farm) No. 1-A Serial No. _____
Elevation (Spirit Level) 931 NC
Quadrangle Oxford 7 1/2 Halbrook 15
County Doddridge District Central
Engineer W. S. Tucker
Engineer's Registration No. 1227
File No. _____ Drawing No. _____
Date Nov. 1, 1979 Scale 1" = 500'

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

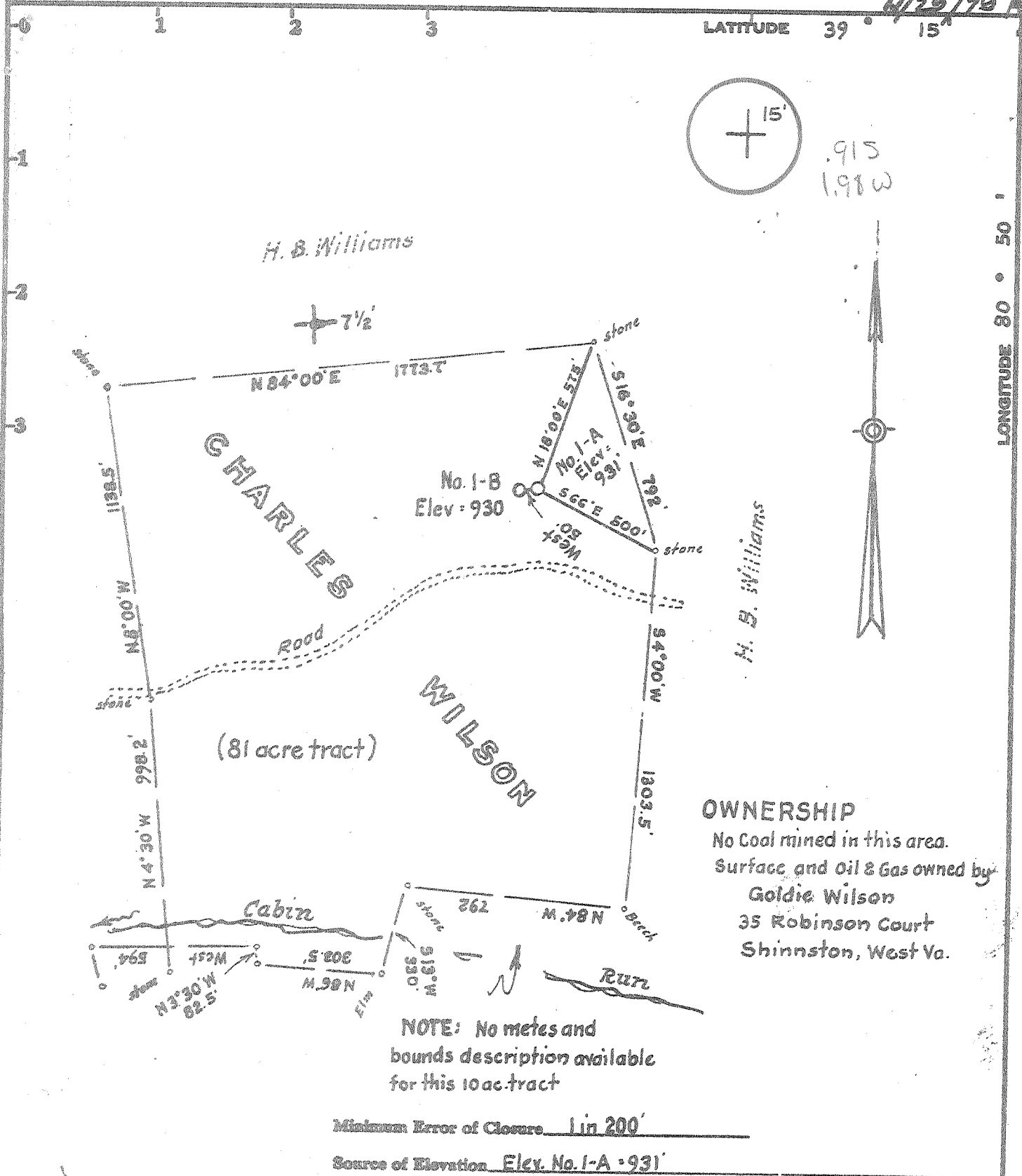
WELL LOCATION MAP
NOTE *
FILE NO. **47-017-2532**

+ Denotes location of well on United States Topographic Maps, scale 1 to $\frac{24,000}{63,360}$, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.

4/29/79 B

LATITUDE 39° 15'

LONGITUDE 80° 50'



OWNERSHIP

No Coal mined in this area.
Surface and Oil & Gas owned by
Goldie Wilson
35 Robinson Court
Shinnston, West Va.

NOTE: No metes and bounds description available for this 10 ac. tract

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. No. 1-A - 931'

REVISED LOCATION

- 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. [Signature]

Map No. _____ Squares: N S E W

Company UNITED OPERATING CO.
 Address 600 Commerce Sq. Charleston, West Va.
 Farm Charles Wilson Goldie Wilson
 Tract _____ Acres 91 Lease No. _____
 Well (Farm) No. 1-B Serial No. _____
 Elevation (Spirit Level) 930' NC
 Quadrangle Oxford 7 1/2 Halfbreak 15
 County Doddridge District Central
 Engineer W. H. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 14, 1979 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. 47-017-2532-REV

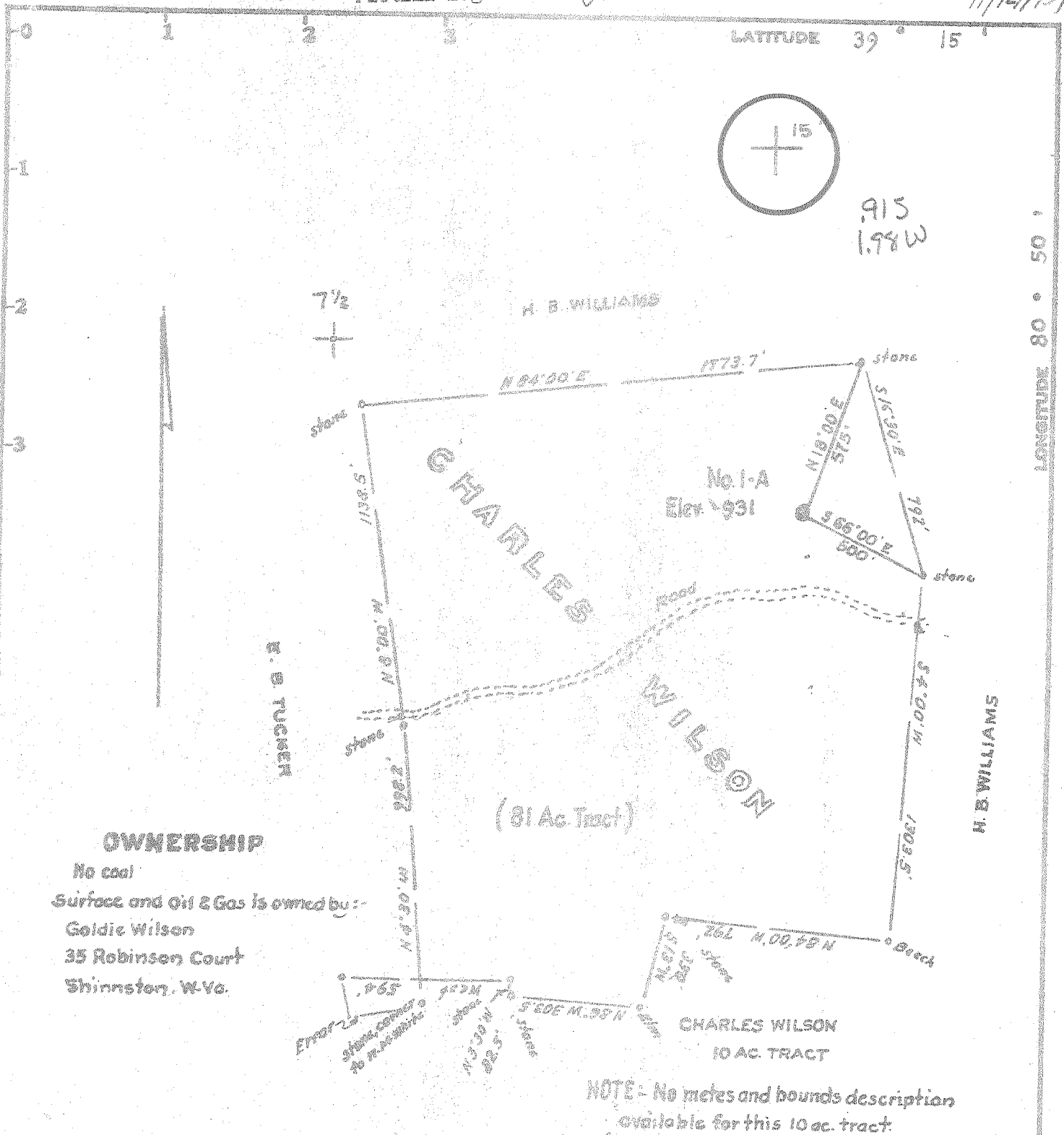
+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 to 62,500, latitude and longitude lines being represented by border lines as shown.

DEC 7 1979

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

Wain 2500

11/14/79



OWNERSHIP

No coal
 Surface and Oil & Gas is owned by:
 Goldie Wilson
 35 Robinsen Court
 Shinnston, W. Va.

NOTE - No metes and bounds description available for this 10 ac. tract.

Minimum Error of Closure _____
 Source of Elevation Elev on road at road leading up to
 Cabin Run Church = 865'

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

Signed: *W. S. Hester*
 Map No. _____ Squares: N S E W

Company UNITED OPERATING CO.
 Address 600 Commerce Sq., Charleston, W. Va.
 Farm Charles Wilson Goldie Wilson
 Tract _____ Acres 91 Lease No. _____
 Well (Farm) No. 1-A Serial No. _____
 Elevation (Spirit Level) 931 NC
 Quadrangle Oxford 7 1/2 Halbrook 15
 County Doddridge District Central
 Engineer W. S. Hester
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 1, 1979 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 47-017-2532

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{25,000}/_{62,500}, latitude and longitude lines being represented by border lines as shown.
 DEC 6 1979
 -- Denotes one inch spaces on border line of original tracing.

RECEIVED

JAN - 3 1980

Date: January 2, 1980

Operator's Well No. Wilson 1-A

API Well No. 44-017-2532
State County Permit

OIL & GAS DIVISION
DEPT. OF MINES OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT 4
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 ___ / Shallow ___)
LOCATION: Elevation: 931 Watershed: Cabin Run
District: Central County: Doddridge Quadrangle: Oxford 7 1/2, Holbrook T5

WELL OPERATOR United Operating Company DESIGNATED AGENT Jack L. Trittipo
Address 600 Commerce Square Address 600 Commerce Square
Charleston, WV 25301 Charleston, WV 25301

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON 11-14, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301 622-3871

GEOLOGICAL TARGET FORMATION: EtK Depth 5120-76 feet
Depth of completed well, 5397 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 30 feet; salt, ___ feet.
Coal seam depths: NA Is coal being mined in the area? ___
Work was commenced 12/12/79, 19___, and completed 12/29, 1979

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		
Conductor								Kind
Fresh water								
Coal								Size
Intermediate	8-5/8	H	24	X		1935	1935	circulated
Production	4-1/2	CW	10.5	X		0	5250	2500 fill-up
Tubing	2-3/8		4.6	X		0	5100	Deaths set
Linings								Perforations:
								Top Bottom
								3800 5172

OPEN FLOW DATA

Producing formation EtK ALEX Pay zone depth 5120-76 feet

Gas: Initial open flow, Sho Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, 300 Mcf/d Final open flow, NA Bbl/d

Time of open flow between initial and final tests, ___ hours

Static rock pressure, 1600 psig (surface measurement) after 72 hours shut in

[If applicable due to multiple completion--]

Second producing formation Devonian Sand stringers Pay zone depth 3800/4472 feet

Gas: Initial open flow, Sho Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, 300 Mcf/d Final open flow, ___ Bbl/d

Time of open flow between initial and final tests, ___ hours

Static rock pressure, 1580 psig (surface measurement) after 72 hours shut in

600MCF

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

Frac'd Elk 500 gallon acid - 500 bbls. fluid
15,000# 80/100 sand and 20,000# 20/40 sand.

Frac'd various upper zones with 1,000 gallons acid, 15,000# 80/100 sand
and 20,000# 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	Grey	Soft	0	1380	
Sand	Grey	Hard	1380	1460	
Shale-Sand	Grey	Soft	1460	1780	
Sand	Grey	Hard	1780	1840	
Shale-Sand	Grey	Soft	1840	1936	
lime	Grey	Hard	1936	2006	
Big Injun	Grey	Soft	2006	2044	
Shale	Grey	Soft	2044	2230	
leir	Grey	Soft	2230	2354	
Shale	Grey	Soft	2354	3280	
and	Grey	Soft	3280	3354	
Shale	Grey	Soft	3354	3794	
and	Grey	Soft	3794	3858	
Shale	Grey	Soft	3858	5106	
Elk ALEX	Grey	Soft	5106	5176	
Shale	Grey	Soft	5176	5398	TD

(Attach separate sheets to complete as necessary)

5398
2354
3044

UNITED OPERATING COMPANY

Well Operator

By Jack L. Trittipso
Its President

(Jack L. Trittipso)

NOTE: Regulation 2.02(d) 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

WELL TYPE: OIL / Gas
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 931 Watershed: Cabin Run
District: Central County: Doddridge Quadrangle: Oxford 7½, Holbrook 15

WELL OPERATOR, United Operating Company
Address 600 Commerce Square
Charleston, WV 25301

DESIGNATED AGENT Jack L. Trittipo
Address 600 Commerce Square
Charleston, WV 25301

OIL & GAS ROYALTY OWNER Goldie Wilson
Address 35 Robinson Court
Shinnston, WV

COAL OPERATOR _____
Address _____

Acres 91
SURFACE OWNER Same as above
Address _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____

Acres 91

Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____
NOV 13 1979

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 622-3871

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 Assignment contract / dated October 9, 1979, to the undersigned well operator from The estate of Luther G. Pigott

[If said deed, lease, or other contract has been recorded:]
Recorded on Oct. 31, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 112 at page 159. A permit is requested as follows:

PROPOSED WORK: Drill / 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 the receipt of this Application by the Department.

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 lessee on or before the day of the mailing or delivery of this Permit 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
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

UNITED OPERATING COMPANY
Well Operator

By Jack L. Trittipo (Jack L. Trittipo)
Its: President

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Union Drilling, Inc.
Address P. O. Drawer 40
Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Benson-Elk

Estimated depth of completed well, 5,400 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 25 feet; salt, feet.
Approximate coal seam depths: NA Is coal being mined in the area? Yes / No X /

LOGGING AND TUBING PROGRAM

LOGGING 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		
Drill pipe									Kinds
Production tubing									Sizes
Intermediate	8-5/8	H	24	X		600	600	circulated	
Completion	4 1/2	Kor	10.5	X		0	5,400+-	2,000 fillup	Depths set
									Perforations:
									Top Bottom

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-3, "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 § 22-4-13a, 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 7-14-80.

Robert L. [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 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.

_____, 19____

By _____
Its _____