

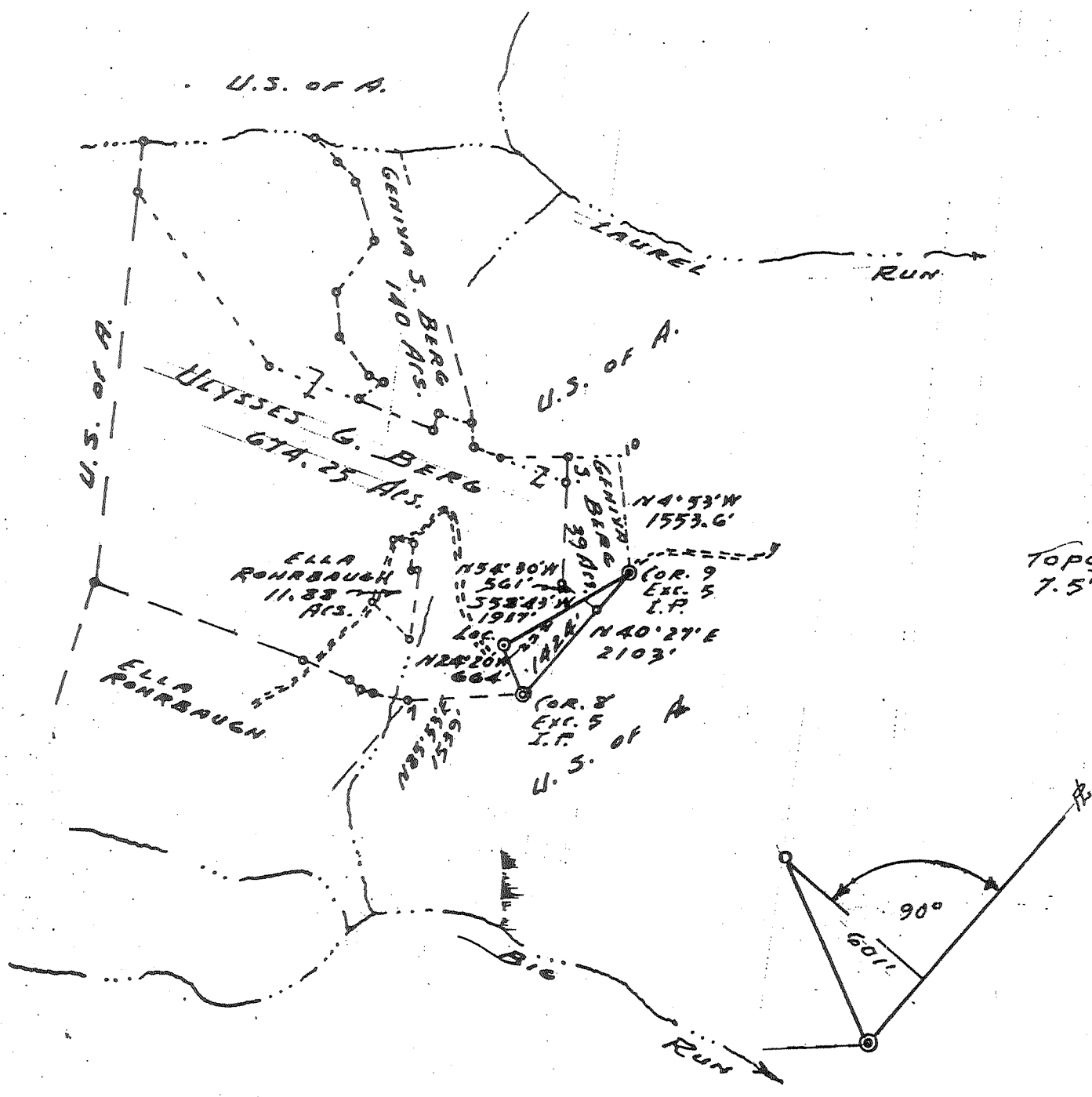
LATITUDE 39° 08' 30"

No 1831

GRANT-5

LONGITUDE 79° 17' 30"

NORTH



Topo 7.5'

FILE NO. UO1-3-33
 DRAWING NO. 33-41
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION TRAIL KING # 2700' N. OF LOCATION EL. 2796

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) Thomas F. Weaver Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPT. 7, 1983
 OPERATOR'S WELL NO. 1-1925
 API WELL NO. CNRH-2125-PI
47-023-0006-P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ✓ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ✓ STORAGE ___ DEEP ✓ SHALLOW ___
 LOCATION: ELEVATION 2880 WATER SHED BIG RUN
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB

SURFACE OWNER ULYSSES G. BERG ACREAGE 674.25
 OIL & GAS ROYALTY OWNER ULYSSES G. BERG LEASE ACREAGE 674.25
 LEASE NO. 561297 AMOCO

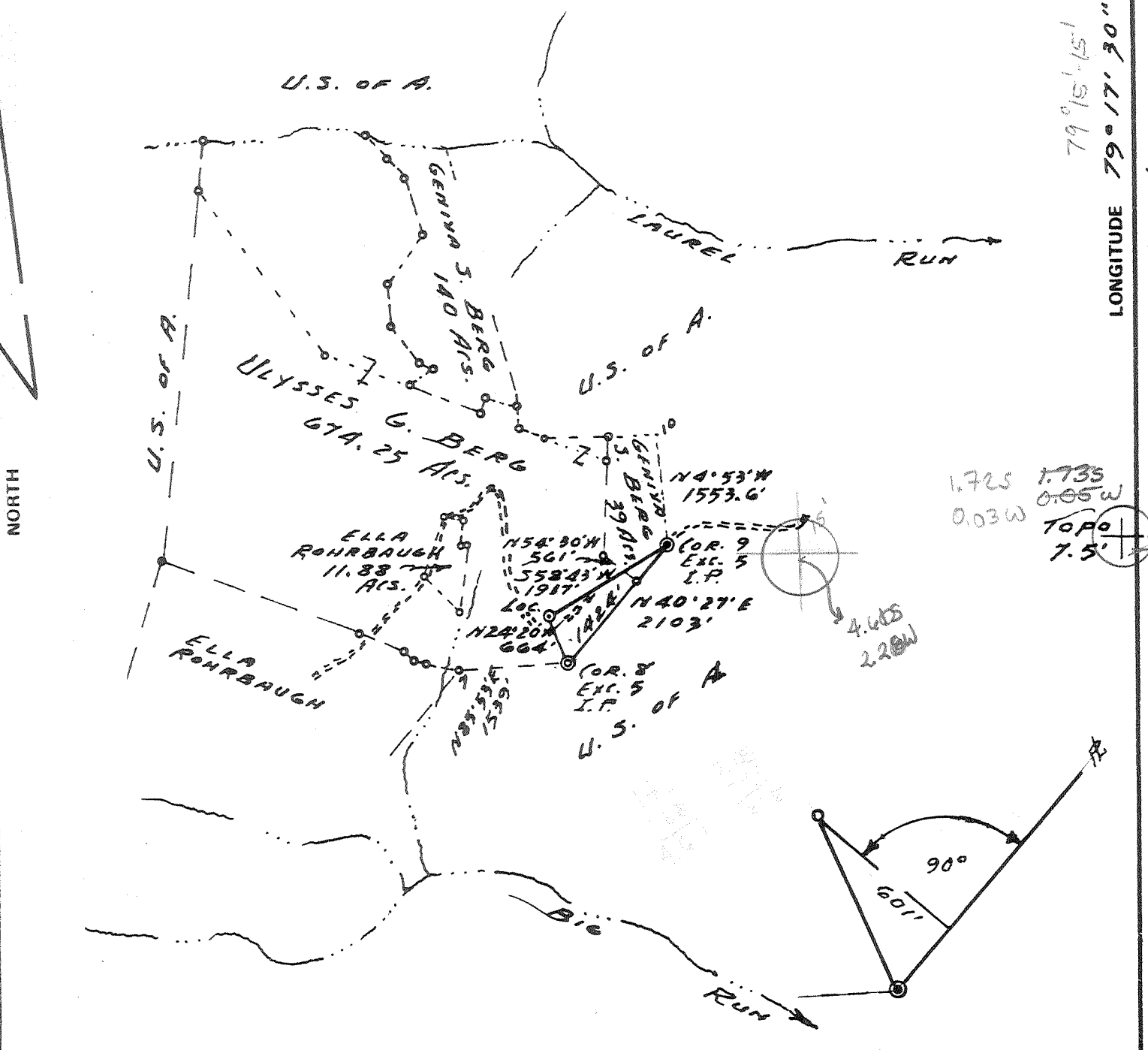
PROPOSED WORK: DRILL ✓ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ✓ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

APR 13 1987

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 9000'
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH G. YANZANT, JR.
 ADDRESS P.O. DRAWER 40 BUCHANAN WV 26201 ADDRESS P.O. DRAWER 40 BUCHANAN WV 26201

LATITUDE 39° 02' 30"
 39° 05' 15"

No 1831
 * GRANT-5



FILE NO. U.O.I. - 3 - 28
 DRAWING NO. 83-41
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION TRAIL KING PE 2700' N. OF LOCATION EL. 2796

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) Thomas F. Weaver Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPT. 7, 19 83
 OPERATOR'S WELL NO. 1-1925
 API WELL NO. 47-023-0006
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 2880 WATER SHED BIG RUN
 DISTRICT UNION COUNTY GRANT
 QUADRANGLE BLACKBIRD KNOB Davis 13' SE
 SURFACE OWNER ULLYSSES G. BERG ACREAGE 674.25
 OIL & GAS ROYALTY OWNER ULLYSSES G. BERG LEASE ACREAGE 674.25
 LEASE NO. 561297 AMOCO
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) SPD-Syco more 64 Jordan Run (370)
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 9000' deep well
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH C. YANZANT, JR.
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON, WY. 26201 BUCKHANNON, WY. 26201

Refund needed



IV-35
(Rev 8-81)

Date August 22, 1984
Operator's Well No. 1 - 1925
Farm Ulysses G. Berg #1
API No. 47 - 023 - 0006

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AUG 31 1984

State of West Virginia
Department of Mines
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES
WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

CONFIDENTIAL

WELL TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep XX / Shallow /)

LOCATION: Elevation: 2880' Watershed Big Run
District: Union 3 County Grant Quadrangle Blackbird Knob 255

COMPANY UNION DRILLING, INC. 50330/162
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER Golden C. Berg
ADDRESS 306 Old Line Ave., Laurel, Maryland
MINERAL RIGHTS OWNER Same 20707
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK _____
Phil Tracy ADDRESS Forest Fest. Apts. Elkins, WV
PERMIT ISSUED 10/27/83 26241
DRILLING COMMENCED 11/24/83
DRILLING COMPLETED 2/7/84
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"	37.'	37.'	
9 5/8	3025.85'	3025.85'	
8 5/8			
7			
5 1/2			
4 1/2		6505.44'	805 cf
3			
2		6191.75'	
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 9,000' feet
Depth of completed well 9253' 07 feet Rotary XX / Cable Tools
Water strata depth: Fresh 3426' feet; Salt _____ feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Sycamore 443 Pay zone depth 6255' feet
Gas: Initial open flow 189 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 212 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 1275# psig (surface measurement) after 7 days ~~XXXXX~~ 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

ADD 7 1986

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

Perforated - 3/15/84 - 6243/6249, 6251/6255 - pumped 1500 gals. acid

Fractured - 3/28/84 - Halliburton - Pearlman Frac - 862 bbls water and 50/50 water &

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			0	1990	
Top of Fore Knobs			1990	2138	
Sand & Shale			2138	2190	
Pound Sandstone			2190	2288	
Sand & Sand			2288	2592	
Briery Gap Sandstone			2592	2634	
Sand & Shale			2635	3440	1" stream water @3436'
Sycamore			6219	6269	
				9258'	T.D. 20/10ths 2" = 189 mcf

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By:

Joseph C. Pettey

Date: Joseph C. Pettey, Vice President of Production

8/22/84

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 ..., encountered in the drilling of a well."

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FORM OG-8

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, 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.

Rohrbaugh Brothers Partnership
COAL OPERATOR OR OWNER
Box 224, Calverton, WV 22016
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
LEASE OR PROPERTY OWNER
same as coal
ADDRESS

Union Drilling, Inc.
NAME OF WELL OPERATOR
P.O. Drawer 40, Buckhannon, WV 26201
COMPLETE ADDRESS
Ulysses G. Berg #1 19
WELL AND LOCATION
Union District
Grant County
Well No. 1 - 1925
Ulysses G. Berg Farm

STATE INSPECTOR SUPERVISING PLUGGING Phil Tracy

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Upshur

SS:

Rich Aldridge

and

Joe Pettey

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 _____, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 16th day of April, 19⁸⁷, 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
8650 to 6320	6% gel	4 1/2"	5480'	987.69'
6320 to 6020	cement plug	2 3/8"	6191.70'	none
6020 to 5480	6% gel			
5480 to 5330	cement plug			
5330 to 4013	6% gel			
4013 to 3913	cement plug			
3913 to 3132	6% gel			
3132 to 2982	cement plug			
2982 to 80	6% gel			
80 to 0	cement plug			
COAL SEAMS				
(NAME)	none			
(NAME)				
(NAME)				
(NAME)				

[Signature] 5/7/87
DESCRIPTION OF MONUMENT

Vented Monument

and that the work of plugging and filling said well was completed on the 17th day of April, 19⁸⁷.

And further deponents saith not.

Rich Aldridge *[Signature]*
Joseph C. Pettey *[Signature]*

Sworn to and subscribed before me this 21st day of April, 19⁸⁷.

My commission expires:

Notary Public.

Permit No47-023-0006

MAY 11 1987



1) Date: October 5, 19 83
 2) Operator's Well No. 1-1925
 3) API Well No. 47 - 023 - 0006
 State _____ County _____ Permit _____

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

CONFIDENTIAL

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____)
- 5) LOCATION: Elevation: 2,880' Watershed: Big Run
 District: Union County: Grant Quadrangle: Blackbird Knob
- 6) WELL OPERATOR Union Drilling, Inc.
 Address P. O. Drawer 40
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address P. O. Drawer 40
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Phil Tracy
 Address General Delivery
Ellamore, WV 26267
- 9) DRILLING CONTRACTOR:
 Name Union Drilling, Inc.
 Address P. O. Drawer 40
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, _____ 9,000 feet
- 13) Approximate trata depths: Fresh, NONE feet; salt, NONE feet.
- 14) Approximate coal seam depths: NO COAL Is coal being mined in the area? Yes _____

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OCT - 7 1983

OIL & GAS DIVISION
DEPT. OF MINE

15) 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	13-3/8	K-55	48			300	300	265	Kinds
Fresh water									
Coal	9-5/8	N-80	36	X		3000	3000	1323	Sizes
Intermediate									
Production	5-1/2	N-80	17	X		9000	9000	2621	Depths set
Tubing									
Liners									Perforations: Top _____ Bottom _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-023-0006 Date October 27, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 27, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
MARKET BOND	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<u>9453</u>

[Signature]
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.