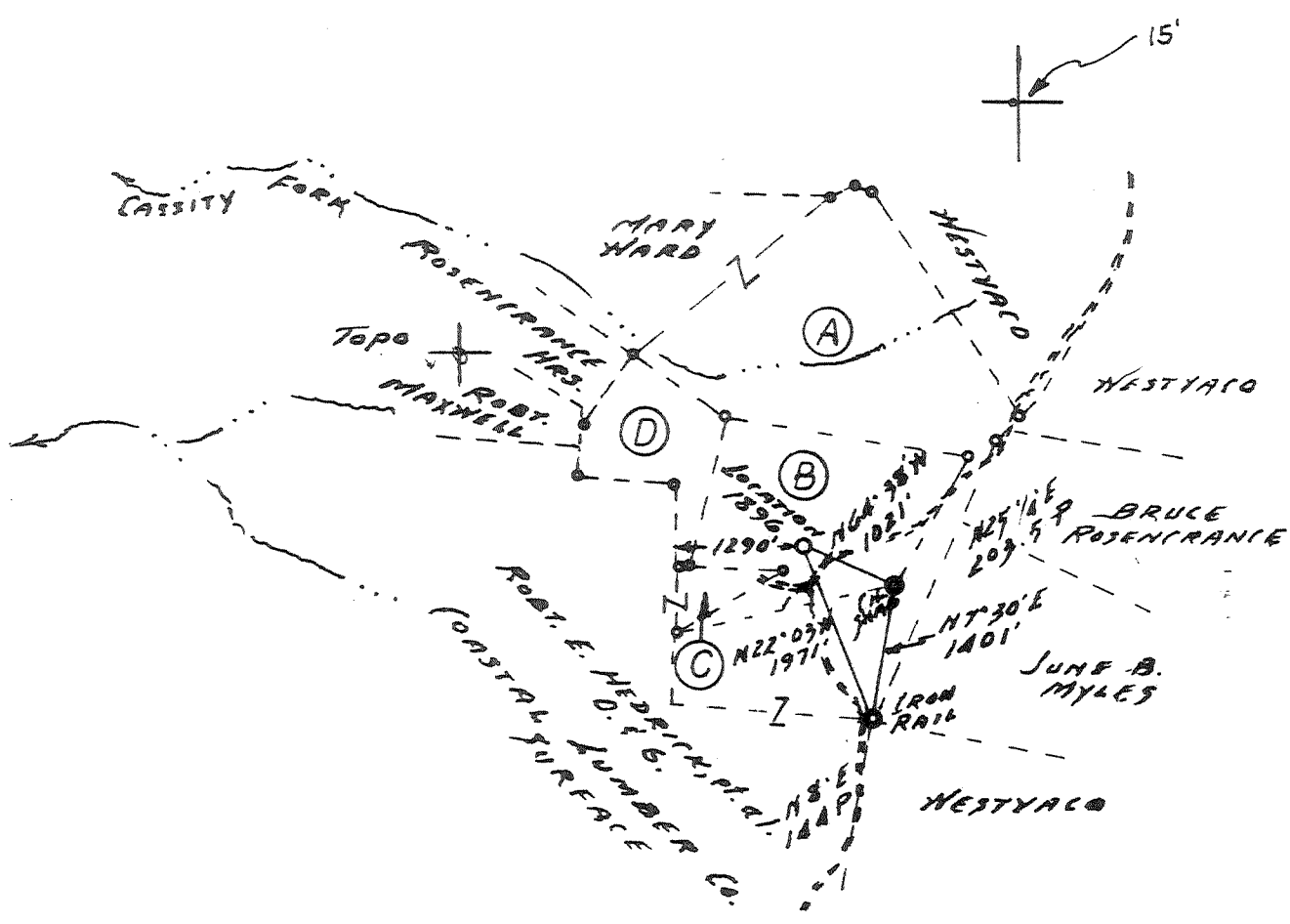


3-16-23

9700' LATITUDE 38° 50' 00"

LONGITUDE 79° 55' 00"

NORTH



UNIT CONSISTS OF

PORTION	O. & G. ROYALTY OWNER	LEASE NO.	ACRES IN UNIT
A	MARY WARD	1840	187.00 ±
B	J.H. PINGLEY, HRS.	1806	80.50 ±
C	ROBERT E. HEDRICK, (I.A.)	796	67.00 ±
D	ROSENCRANCE, HRS.	1852	41.50 ±

TOTAL 376.00 ±

FILE NO. 3-26
 DRAWING NO. 83-33
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. IN ROCK
By Road 1056' S. OF Loc.
St. 3302

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

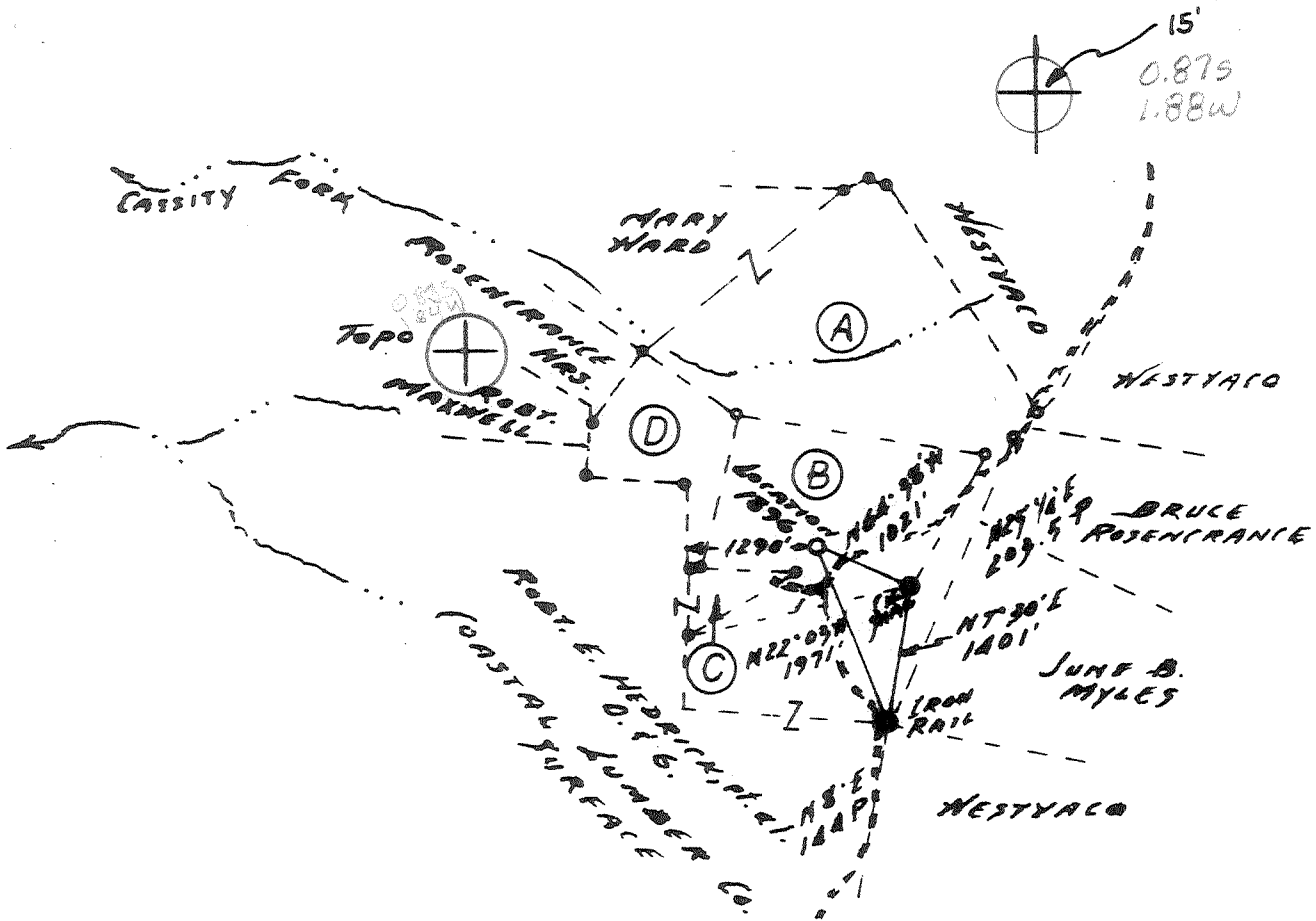


DATE APRIL 7, 1983
 OPERATOR'S WELL NO. 1-1896
 API WELL NO. 47-083-0813-P
 STATE COUNTY PERMIT

(+) 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 3352 WATER SHED CASSITY FORK
 DISTRICT ROARING CREEK COUNTY RANDOLPH
 QUADRANGLE BEVERLY WEST
 SURFACE OWNER J.H. PINGLEY, HRS. ACREAGE 80.5
 OIL & GAS ROYALTY OWNER SEE UNIT LEASE ACREAGE _____
 LEASE NO. _____
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) DEEP WELL

PLUG AND ABANDON CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 7500'
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT JOSEPH C. YANZANT, JR.
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

JUL 2 1984



LONGITUDE 79° 55' 00"

4400'

UNIT CONSISTS OF

PORTION	O. & G. ROYALTY OWNER	LEASE NO.	ACRES IN UNIT
A	MARY HARD	1840	187.00 ±
B	J. N. PINGLEY, HRS.	1806	80.50 ±
C	ROBERT E. HEDRICK, HRS.	796	67.00 ±
D	ROSECRANCE, HRS.	1852	41.50 ±

TOTAL 372.00 ±

FILE NO. 3-26
 DRAWING NO. 83-33
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION B.M. IN ROCK
By ROAD 1096' S. OF LOC.
EL. 3302

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 APRIL 7, 1983
 OPERATOR'S WELL NO. 1-1896
 API WELL NO. 47-083-0813
 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 3352 WATER SHED CASSITY FORK
 DISTRICT ROARING CREEK COUNTY RANDOLPH
 QUADRANGLE BEVERLY NEST ELKINS 15' SW
 SURFACE OWNER J. N. PINGLEY, HRS. ACREAGE 80.5
 OIL & GAS ROYALTY OWNER SEE UNIT LEASE ACREAGE _____
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 7500'
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT JOSEPH C. YANZANT, JR.
 ADDRESS P. O. DRAWER 40 ADDRESS P. O. DRAWER 40
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

AUG 22 1983

RAND. 0813



Date January 30, 1984
Operator's
Well No. 1-1896 - confi
Farm Pingley Heirs #1
API No. 47-- 083 - 081

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

no longer confidential
813
Oct. 1985

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

LOCATION: Elevation 3352' Watershed Cassity Fork
District: Roaring Creek County Randolph Quadrangle Beverly West

COMPANY Union Drilling, Inc.

ADDRESS P.O. Drawer 40, Buckhannon, WV 26201

DESIGNATED AGENT Joseph C. Vanzant, Jr.

ADDRESS P.O. Drawer 40, Buckhannon, WV 26201

SURFACE OWNER see attached sheet

ADDRESS

MINERAL RIGHTS OWNER see attached sheet

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK

Phil Tracy ADDRESS Gen. Del. Ellamore, WV 26267

PERMIT ISSUED 8/17/83

DRILLING COMMENCED 9/18/83

DRILLING COMPLETED 10/21/83

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

Casing Tubing- Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"	41'	41.00'	
9 5/8	1590.4'	1590.4'	658 cf
8 5/8			
7			
5 1/2			
4 1/2	7584.61'	7584.61'	786 cf
3			
2			
Liners used	RECEIVED APR 16 1984 OIL & GAS DIVISION DEPT. OF MINES		

GEOLOGICAL TARGET FORMATION Oriskany Depth 7500' feet

Depth of completed well 7658' feet Rotary x / Cable Tools

Water strata depth: Fresh 44' feet; Salt feet

Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Dry Hole - Well to be plugged Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 1475 psig (surface measurement) after 48 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

(Continue on reverse side)

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

Halliburton - 10/28/83 - Acid Treatment

7238/44, 7272/85 - Chert - 110,000#sand, 1300 Bbls. water and 140,000scf Nitrogen

7324/30, 7361/65 - Chert - 23,900# sand, 545 Bbls. 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	815	
Little Lime			815	885	
Big Lime			885	1028	
Injun			1030	1148	
4th Sand			1568	1610	
5th Sand			1675	1715	
Bayard			1730	1795	
Lower Bayard			1820	1835	
Elizabeth			1905	1920	
Speechly			2340	2365	
Balltown			2480	2485	
Bradford			2715	2740	
Benson			3188	3210	
Elk			4362	4410	
Herrell Black Shale			6290	6338	
Mahantango Shale			6597	6648	
Upper Marcellus Shale			6802	6849	
Purcell Limestone			6931	6966	
Lower Marcellus Shale			7015	7051	
Onondaga Limestone			7165	7190	
Huntersville Chert			7231	7274	
Needmore Shale			7380	7394	
Oriskany Sandstone			7419	7455	
				7658	T.D.

(Attach separate sheets as necessary)

Union Drilling, Inc.
Well Operator

By: *Joseph C. Pettey*

Date: Joseph C. Pettey, Vice President of Production

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."

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

RECEIVED
MAY 25 1984

OIL & GAS DIVISION

DEPT. OF MINES

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.

J. W. Pingley Heirs

COAL OPERATOR OR OWNER
 (See attached sheet for names and

ADDRESS
 addresses)

COAL OPERATOR OR OWNER

ADDRESS
 Same as above

LEASE OR PROPERTY OWNER

ADDRESS

UNION DRILLING, INC.

NAME OF WELL OPERATOR
 P. O. Drawer 40, Buckhannon, WV 26201

COMPLETE ADDRESS
 May 22 19 84

WELL AND LOCATION
 Roaring Creek District

 Randolph County

 Well No. 1 - 1896

 Pingley Heirs Farm

STATE INSPECTOR SUPERVISING PLUGGING... Phil Tracy

AFFIDAVIT

STATE OF WEST VIRGINIA, }
 County of Upshur } ss:
 Joseph C. Pettey and Ed Starett

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 Union Drilling, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21st day of May, 1984, 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
7658 - 7200	33 sks. cement		5,351.10	2,233.51' 4 1/2"
7200 - 5351	4 sks. 6% gel			1,590.4' 9 5/8"
5351 - 5250	44 sks. cement			41.0' 13 3/8"
5250 - 3150	29 sks. 6% gel			
3150 - 3000	44 sks. cement			
3000 - 1700	16 sks. 6% gel			
1700 - 1550	44 sks. cement			
1550 - 0	19 sks. 6% gel			
COAL SEAMS	None found			
(NAME)		DESCRIPTION OF MONUMENT		
(NAME)		Vented Monument		
(NAME)		47-083-0813		
(NAME)		05/21/84		
(NAME)				

and that the work of plugging and filling said well was completed on the 21st day of May, 1984.

And further deponents saith not.

Joseph C. Pettey
Ed Starett

 Sworn to and subscribed before me this 22nd day of May, 1984.
A. Bradford Zimmerman

 Notary Public.

My commission expires:
03/03/91

Permit No. 47-083-0813P



1) Date: July 28, 19 83
 2) Operator's Well No. 1 - 1896
 3) API Well No. 47 - 083 - 0813
 State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

(CONFIDENTIAL WELL)

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 3352' / Watershed: Cassity Fork
 District: Roaring Creek / County: Randolph / Quadrangle: Beverly West
- 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 Philip Tracy
 Address _____
- 9) DRILLING CONTRACTOR:
 Name Union Drilling, Inc.
 Address P. O. Drawer 40
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, 7500 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes / No

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	Kinds	Sizes
Conductor	13 3/8		54#	x		300	300	to surface	Kinds	
Fresh water										
Coal										
Intermediate	9 5/8		36#	x		1500	1500	to surface		by Luke 15-05
Production	4 1/2		11.6#	x			7500	450 sks. or as required	Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-083-0813

August 17, 19 83

Date

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 August 17, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BBB</u>	Agent: <u>OK</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>7469</u>
------------------	------------------	--------------------------	----------------------------	------------------

[Signature]
Administrator, Office of Oil and Gas

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

File