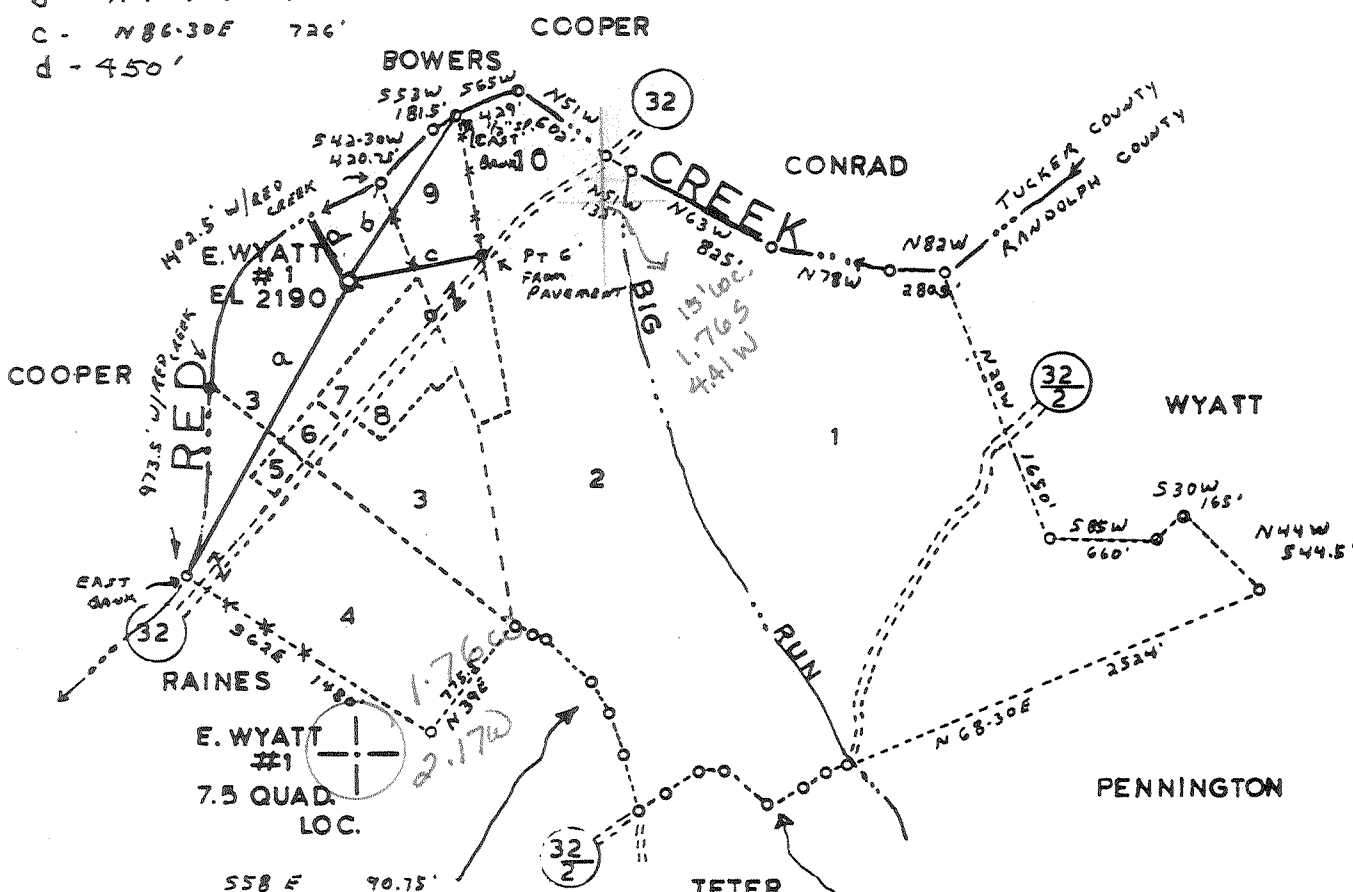


- a - S 34°00'W 1667'
- b - N 40°44'E 1042'
- c - N 86°30'E 726'
- d - 450'



E. WYATT #1  
7.5 QUAD.  
LOC.

558 E 90.75'  
573 R 66'  
548 R 221.75'  
534 1/2 E 181.5'  
518 E 214.5'  
516 1/2 E 297'

N 65 1/2 E 165'  
N 50 E 198'  
S 84 E 123.75'  
S 48 1/2 E 297'  
N 73 E 198'  
N 56 E 132'  
N 25 E 90.75'

1- H.K. WYATT	123.25 ACRES
2- TETER	74.25
3- E. WYATT	19.36
4- E. WYATT	39.31
5- WATTS	.69
6- MALLOW	.75
7- MALLOW	2.92
8- COOPER	1.97
9- E. WYATT	12.00
10- PENNINGTON	8.00
<b>TOTAL</b>	<b>282.50 ACRES</b>

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION BM EL 2193

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) Burl J. Smith  
 R.P.E. 6988 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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



DATE OCTOBER 25, 19 83  
 OPERATOR'S WELL NO. E. WYATT #1  
 API WELL NO. 47-083-0846  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP  SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 2190 WATERSHED RED CREEK  
 DISTRICT DRY FORK 2 COUNTY RANDOLPH  
 QUADRANGLE LANEVILLE 427 on map 15' NW 1  
 SURFACE OWNER E. WYATT ACREAGE 19.36  
 OIL & GAS ROYALTY OWNER UNITIZED LEASE ACREAGE 282.50  
 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 8700  
 WELL OPERATOR BEREA OIL & GAS CORP DESIGNATED AGENT MARK SCHUMACHER  
 ADDRESS 901 CHEMICAL BANK BLDG 69 DELAWARE AVE ADDRESS ONE BEREA PLAZA  
BUFFALO, NY 14202 BRIDGEPORT, WV 26301

COUNTY NAME  
 PERMIT

FORM IV-6 (8-78)  
 HT. HALL

DEEP WELL 6-6 Dry Fork (374)

CONFIDENTIAL



Date October 8, 1984  
Operator's Well No. Wyatt Unit #1  
Farm Edward Wyatt  
API No. 47 - 083 - 0846

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OCT - 9 1984

OIL & GAS DIV.  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 2190' Watershed Red Creek  
District: Dry Fork County Randolph Quadrangle Laneville

COMPANY Berea Oil & Gas Corp.  
ADDRESS P.O. Box 299, Bridgeport, WV 26330  
DESIGNATED AGENT Thomas E. Riley, P.E.  
ADDRESS P.O. Box 299, Bridgeport, WV 26330  
SURFACE OWNER E. Wyatt  
ADDRESS Box 154, Dry Fork, WV 26263  
MINERAL RIGHTS OWNER Unitized as listed on plat  
ADDRESS      
OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracy  
ADDRESS Elkins, WV 26241  
PERMIT ISSUED 12-14-83  
DRILLING COMMENCED 9-17-84  
DRILLING COMPLETED 10-6-84  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED    

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size <u>26"</u>		10'	--
<u>20-16 20"</u>		41'	--
Cond. <u>13 3/8"</u>			
<u>13-10"</u>	241'	231'	240 sks
<u>9 5/8"</u>	1947'	1947'	710 sks
<u>8 5/8"</u>			
<u>7"</u>			
<u>5 1/2"</u>			
<u>4 1/2"</u>	7294'	7250'	610 sks.
<u>3"</u>			
<u>2"</u>			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 8700 feet  
Depth of completed well 7294' feet Rotary X / Cable Tools      
Water strata depth: Fresh 39' - 250' feet; Salt     feet  
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Oriskany Pay zone depth 6950'-7140' feet  
Gas: Initial open flow 2700 Mcf/d Oil: Initial open flow none Bbl/d  
Estimated Final open flow 2700 Mcf/d Oil: Final open flow none Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 2500 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

NOV 03 1984  
(Continue on reverse side)

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

None - Natural Open Flow

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
<u>FROM DRILLERS LOG</u>			
Sand & Shale	10	20	
Sand	20	52	4" stream @ 39'
Sand & Shale	52	62	
Sand	62	75	
Sand & Shale	75	110	
Sand	110	170	
Sand & Shale	170	245	
Shale & Red Rock	245	265	1 1/2" stream @ 250'
Sand & Shale	265	315	
Shale & Red Rock	315	360	
Sand & Shale	360	650	
Sand	650	750	
Sand, Shale & Red Rock	750	960	
Sand & Shale	960	2125	Gas Check 2029' - No Show
Speechly Sand	2125	2275	Hole damp @ 2190'
Sand & Shale	2275	2300	
Sand	2300	2325	
Sand & Shale	2325	6360	Gas Check @ 2977' - No Show Gas Check @ 3388' - No Show
<u>FROM CDL LOG</u>			
Tully LS	6370	6406	
Shale	6406	6634	
Marcellus Shale	6634	6834	
Onondaga LS	6834	6874	
Hunterville Chert	6874	6930	
Needmore Shale	6930	6950	
Oriskany Sand	6950	7140	
Helderberg LS	7140	TD	
LTD	7287'		
DTD	7294'		

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.  
Well Operator  
*Thomas E. Riley*  
By: Thomas E. Riley, P.E., Manager of Engineering  
Date: October 8, 1984

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."



1) Date: November 2, 1983  
 2) Operator's Well No. E. Wyatt #1  
 3) API Well No. 47 - 083 - 0846  
 State County Permit

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep  / Shallow \_\_\_\_\_)  
 5) LOCATION: Elevation: 2190' Watershed: Red Creek  
 District: Dry Fork County: Randolph Quadrangle: Laneville  
 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher  
 Address P.O. Box 569 Address P.O. Box 299  
Dover, OH 44622 Bridgeport, WV 26330  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phillip Tracy Name \_\_\_\_\_  
 Address Phone: (304)472-0091 Address \_\_\_\_\_
- 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 OIL & GAS DIVISION  
 12) Estimated depth of completed well, 8700 feet  
 13) Approximate strata depths: Fresh, 150 feet; salt, 200 feet. DEPT. OF MINES  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No

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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	H40	48	X		250'	250'	to surface	Kinds By Rule 15.05
Fresh water									
Coal									Sizes
Intermediate	9 5/8	J55	36	X		3400'	3400'	1000' Fillup	or U.S. Reg
Production	4 1/2	N80	11.6	X		8600'	8600'	1000' Fillup	Depths set by Rule 15.01
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-083-0846 Date December 14, 1983

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 December 14, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
	<i>LA</i>	<i>MU</i>	<i>[Signature]</i>	<i>30194</i>

*[Signature]*

Administrator, Office of Oil and Gas

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

File