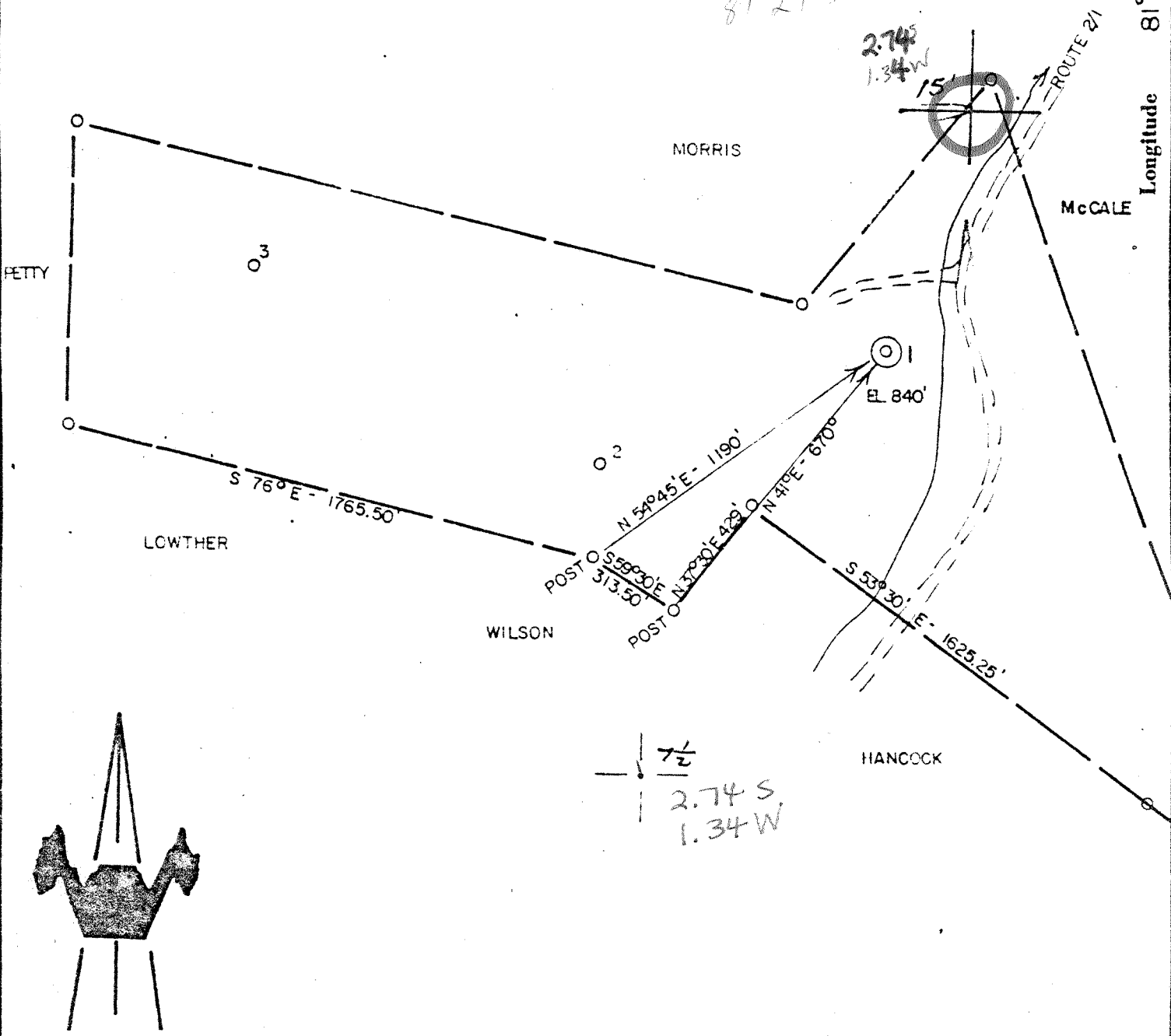


Latitude 39° 20' 00"

14100' SOUTH
6990' WEST

39 1735
81 21 30



ACCURACY: 1/200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation GORDON Oil
 Est. Depth 2800' Gas
 Other

Source of Elevation KNOB (1063')
 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.

Chet Waterman

Company BEREA OIL & GAS CORP.
 Address BUFFALO, NY
 Surface Owner ALLEN WILKINSON
 Mineral Owner " "
 Well No. 1 Acres 93 *SC*
 Elevation 840' MARIETTA 15'
 Quadrangle WILLOW ISLAND Series 7.5'
 County WOOD District UNION
 Date 3/26/80 Scale 1" = 500'

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

WELL LOCATION MAP
 47 - 107 - 1110
 STATE COUNTY PERMIT
 Formerly: WOOD-978
 + Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-173

6-6 Hendershot-Ogden (72)

IV-35
(rev 8-81)



"AMENDMENT"

RECEIVED
APR 23 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date April 16, 1982
Operator's Well No. Wilkinson #1
Farm Allen Wilkinson
API No. 47 - 107 - 1110

WELL OPERATOR'S REPORT
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 X /)

LOCATION: Elevation: 840 GL Watershed Bull Run
District: Union County Wood Quadrangle Valley Mills

COMPANY BEREA OIL AND GAS CORPORATION
ADDRESS One Berea Plaza, PO Box 299, Bridgeport, WV
DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS One Berea Plaza, PO Box 299, Bridgeport, WV
SURFACE OWNER Allen Wilkinson
ADDRESS 2120 Florida, Parkersburg, WV
MINERAL RIGHTS OWNER same.
ADDRESS same.

OIL AND GAS INSPECTOR FOR THIS WORK
Deo Mace ADDRESS Rt. 1, Box 65, Sandridge WV

PERMIT ISSUED Dec. 1, 1980
DRILLING COMMENCED 12/16/80
DRILLING COMPLETED 12/20/80

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

Casing Tubing Size 20-16 Cord.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
13-10"			
9 5/8			
8 5/8	271'	271'	100 sks
7			
5 1/2			
4 1/2	2732.9'	2731.9	225 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2600 feet
Depth of completed well 2747 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 40 feet; Salt _____ feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Berea and Gordon Pay zone depth 2220-2235 feet
Gas: Initial open flow .05 Mcf/d Oil: Initial open flow --- Bbl/d
Final open flow 33 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 625 psig (surface measurement) after 72 hours shut in
(if applicable due to multiple completion--)
Second producing formation N/A 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

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

1/6/81 Berea 2220-2235' Perfs: 15. 190,000 SCF N₂, 600 BBLs Water.
150 sks 80/100 & 250 sks 20/40 sand.

1/6/81 Gordon 2606-2620' Perfs: 18. 150,000 SCF N₂, 786 BBLs Water.
150 sks 80/100 & 450 sks 20/40 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
Fill & Shale			0	15	
Shale			15	25	
Sand			25	80	
Shale & Red Rock			80	150	
Red Rock			150	180	
Sand & Shale			180	250	
Red Rock & Sand			250	270	
Sand & Shale			270	300	
Sand			300	346	
Sand & Shale			346	548	
Sand			548	576	
Shale			576	606	
Sand			606	652	
Shale			652	755	
Sand			755	808	
Sand & Shale			808	878	
Sand			878	900	
Sand & Shale			900	1080	
Shale			1080	1185	
Sand			1185	1200	
Sand & Shale			1200	1616	
Sand			1616	1640	
Shale			1640	1676	
Big Injun			1676	1842	
Sand & Shale			1842	2222	
Berea			2222	2237	
Shale			2237	2591	
Gordon			2591	2622	
Shale			2622	2747	T.D. 2747'

(Attach separate sheets as necessary)

BEREA OIL AND GAS CORPORATION

Well Operator

By: Thomas E. Riley Thomas E. Riley, P.E.

Date: April 19, 1982

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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED

JAN 26 1981

OIL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Valley Mills

Permit No. 47 107 1110

Company Berea Oil and Gas Corp.
Address 652 Empire Bank, Clarksburg, W Va
Farm Wilkinson Acres 93
Location (waters) Bull Run
Well No. 1 Elev. 840
District II Union County Wood

The surface of tract is owned in fee by Allen Wilkinson

Address 2120 Florida, Parkersburg, W. Va.
Mineral rights are owned by Allen Wilkinson

Address _____
Drilling Commenced 12/16/80

Drilling Completed 12/20/80

Initial open flow 50 cu. ft. _____ bbls.

Final production 4 cu. ft. per day 0 bbls.

Well open _____ hrs. before test _____ RP.

Well treatment details:

Attach copy of cementing record.

1/6/81 Berea 2220'-2235 Perfs. 15 shots 190,000 SCF M2 600 bbls. water.
150 sx. 80/100 sand 250 sx. 20/40 sand

1/6/81 Gordon 2606-2620' perfs 18 shots 150,000 SCF M2 786 bbls. water
150 sx. 80/100 sand 450 sx. 20/40 sand

Coal was encountered at None Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea and Gordon Depth 2220' to 2620'

2220-2237 2606-2620

33 MCF

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand and Shale			Surface	1676'		
Injun			1676'	1842'		
Shale			1842'	2222'		
Berea			2222'	2237'		
Shale			2237'	2591'		
Gordon ✓			2591'	2622'		
Shale			2622	2747	T.D.	

MAR 9 1981

(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date 1/21 1980

APPROVED Berea Oil and Gas Corp. Owner

By *W. M. Akerman* Vice Pres.

(7116)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
DEC - 1 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 11, 1980

Surface Owner Allen G. Wilkinson
Address 2120 Florida St., Parkersburg, W. Va.

Company Berea Oil and Gas Corp.
Address 652 Empire Bank Bldg., Clarksburg, W. Va.

Mineral Owner Same

Farm Wilkinson Acres 93

Address _____

Location (waters) Bull Run

Coal Owner Same

Well No. #1 Elevation 840'

Address _____

District Union County Wood

Coal Operator _____

Quadrangle Willow Island, Marietta

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 23,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 8-2-81.

INSPECTOR Paul Goodnight
TO BE NOTIFIED _____

ADDRESS Smithville, W. Va.

PHONE 477-3660

J. J. Hargrett
Secretary Director Oil and Gas Division

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 September 24 1979 by Allen G. Wilkinson made to Energy Unlimited Inc. and recorded on the 11 day of October 1979, in Wood County, Book 729 Page 146
XXX
NEW WELL 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

Very truly yours,
(Sign Name) M. Schumacher
Berea Oil and Gas Corporation
652 Empire Bank Bldg.
Address of Well Operator
Clarksburg
W. Va. 26301
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.

(Formerly: WOOD-978)
107-1110 PERMIT NUMBER

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Mark V. Schumacher
 ADDRESS _____ ADDRESS 652 Empire Bank Bldg., Clarksburg
 TELEPHONE _____ TELEPHONE 624-6429
 ESTIMATED DEPTH OF COMPLETED WELL: 2800 ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL OIL _____ GAS _____ COMB. XX 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	250'	250'	Surface
7			
5 1/2			
4 1/2	2800 T.D.	T.D. 2800	400 280 Sks. of m Perf. Top <i>seal by rule</i> Perf. Bottom <i>150'</i>
3			
2			
1 1/2			
1			
3/4			
5/8			
1/2			
3/8			
1/4			
1/8			
Lines			

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER 1500 FEET
 APPROXIMATE COAL DEPTHS None
 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.
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE.
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.
 Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

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