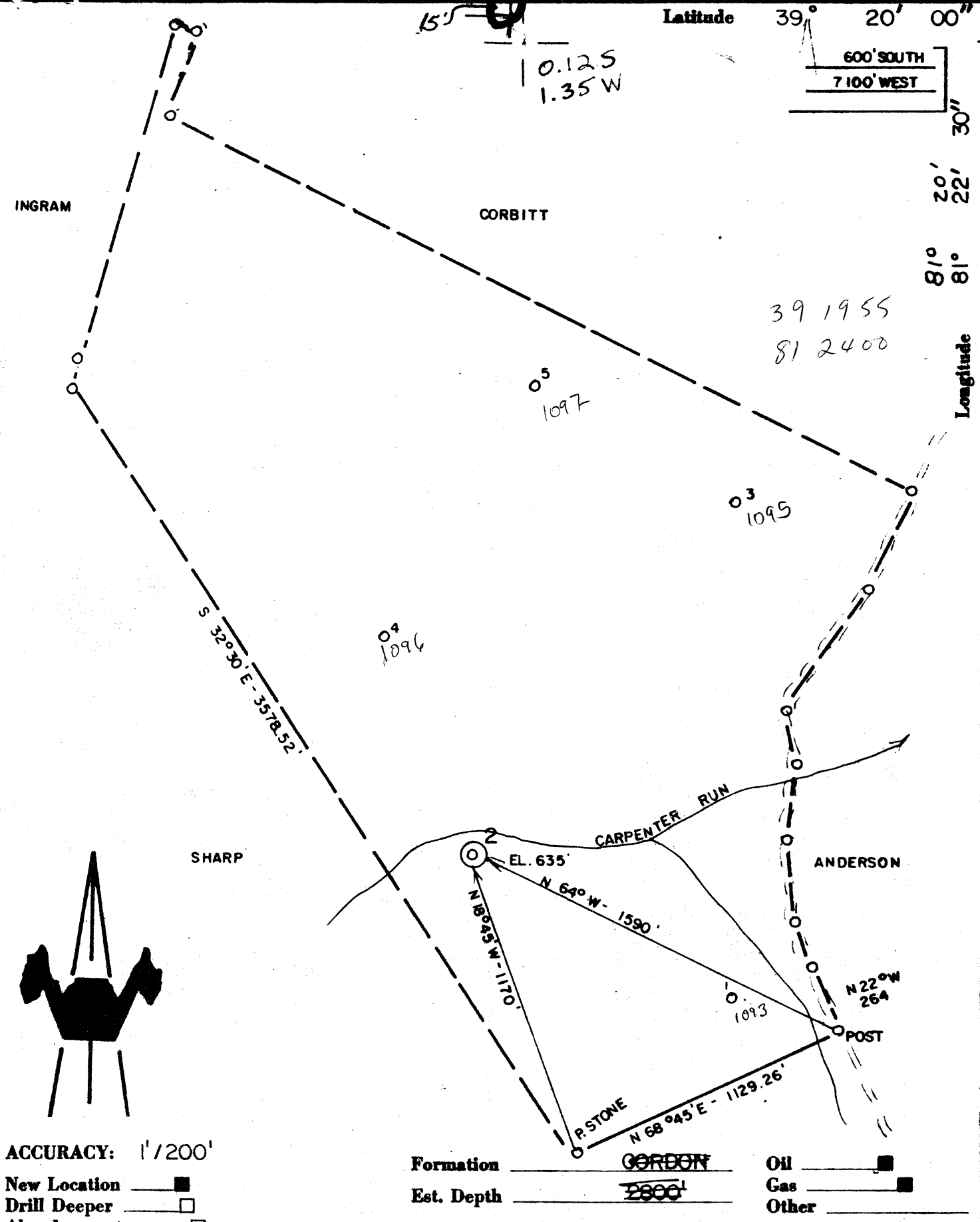


Card CSD

0.125
3.58 W
10-30-80

Latitude 39° 20' 00"
Longitude 81° 22' 30"
600' SOUTH
7100' WEST



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 CO.
 Address CLARKSBURG, WV
 Surface Owner CREOLA DAVIS
 Mineral Owner " "

Well No. 2 Acres 155.93
 Elevation 635' MARIETTA 15150
 Quadrangle VALLEY MILLS Series 7.5'
 County WOOD District UNION
 Date 10/10/80 Scale 1" = 500'

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

WELL LOCATION MAP
47 - 107 - 1000
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-609

6-6 Hendershot-Ogden (72)

4000 OHIO STREET 19 1980

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APR 23 1982



OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

"AMENDMENT"

Date April 19, 1982
Operator's
Well No. Davis #2
Farm Creela B. Davis
API No. 47 - 107 - 1094

IV-35
(Rev 8-81)

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: 635' Watershed Carpenter Run
District: Union County Wood Quadrangle Valley Mills 7 1/2'

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 Creela B. Davis
ADDRESS 14 Kmalli Ct., Newport Beach, Calif.
MINERAL RIGHTS OWNER same.
ADDRESS same.
OIL AND GAS INSPECTOR FOR THIS WORK
Deo Mace ADDRESS Rt. 1, Box 65, Sandridge, WV
PERMIT ISSUED Oct. 28, 1980
DRILLING COMMENCED 11/18/80
DRILLING COMPLETED 11/22/80

Casing & Tubing Size Cord.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"			
9 5/8			
8 5/8	273.24	273.24'	100 sks.
7			
5 1/2			
4 1/2	2486'	2486'	250 sks
3			
2			
Liners used	1 1/2"	2278'	

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

GEOLOGICAL TARGET FORMATION Ohio Shale Depth 4000' feet
Depth of completed well 2514' feet Rotary X / Cable Tools
Water strata depth: Fresh 40' feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Gordon Pay zone depth 2296-2326' feet
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow 66 Mcf/d Final open flow -- Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 670 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

MAY 3 1982

107-1094

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

12/5/80 - Gordon - 2308-24' (24 holes) fraced w/ 150 sks 80/100, and
450 sks 20/40 sand. 1935 MSCF N₂. 970 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
Fill & Shale			0	15	
Shale			15	25	
Sand			25	83	
Shale & Red Rock			83	150	
Red Rock			150	175	
Sand & Shale			175	250	
Red Rock & Sand			250	265	
Sand & Shale			265	284	
Red Rock & Shale			284	305	
Sand, Shale & Red Rock			300	370	
Sand & Shale			370	432	
Shale			432	490	
Sand			490	548	
Sand & Shale			548	592	
Shale			592	620	
Sand			620	655	
Sand & Shale			655	738	
Shale			738	840	
Sand			840	896	
Shale			896	970	
Sand			970	1002	
Shale			1002	1128	
Sand			1128	1188	
Sand & Shale			1188	1232	
Sand			1232	1242	
Shale			1242	1306	
Big Injun			1307	1560	
Shale			1560	1950	
Berea			1950	1955	
Shale			1955	2296	
Gordon			2296	2326	
Shale			2326	2514	T.D.

(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

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Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Valley Mills 7.5
Permit No. 47 107-1094

Company Berea Oil and Gas Corp.
Address 652 Empire Bank Bldg. Clarksburg, W. Va.
Farm Creela B Davis Acre 155.93
Location (waters) Carpenter Run
Well No. 2 Elev. 635
District Union County Wood
The surface of tract is owned in fee by Creela B. Davis
14 Knalli Ct., Newport Beach, Calif.
Address
Mineral rights are owned by Same
Address
Drilling Commenced 11/18/80
Drilling Completed 11/22/80
Initial open flow 50 cu. ft. 0 bbls.
Final production 66 cu. ft. per day 0 bbls.
Well open 4 hrs. before test 670 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	273.24	273.24	100 sx.
7			
5 1/2			
4 1/2	2486	2486	250 sx.
3			
2 1/2		2278	
Liners Used			

Well treatment details: Attach copy of cementing record.
12/5 Gordon 2308-2324 24 holes 150 sx. 80/100 sand, 450 sx. 20/40 sand. 1935 SCF
Nitrogen 970 bbls. water

Coal was encountered at _____ Feet _____ Inches
Fresh water 40 Feet _____ Salt Water _____ Feet _____
Producing Sand Gordon Depth 2308-2324

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand and Shale			Surface	1307'		
Injun			1307'	1560'		
Shale			1560'	1950'		
Berea			1950'	1955'		
Shale			1955'	2296'		
Gordon			2296'	2326'		
Shale			2326'	2514'	T.D.	

MAR 9 1981

(over)

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

Date 2/20 1981

APPROVED Berea Oil and Gas Corp. Owner

By J. W. Schumaker Vice Pres.

(7110)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

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OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

TO THE DEPARTMENT OF MINES
Charleston, W. Va.

DATE October 20, 1980

Surface Owner Creola B. Davis Company Berea Oil and Gas Corp.
 Address 15 Knalli Ct., Newport Beach, Calif. Address 652 Empire Bank Bldg., Clarksburg WV
 Mine or Tract Same Farm C. Davis Acres 155.93
 Location (waters) Carpenter Run
 Well No. 2 Elevation 635'
 District Union County Wood
 Coal Operator None Quadrangle Valley Mills
 Address None

PERMIT MUST BE POSTED AT THE WELL SITE

Provisions being in accordance with Chapter 22,
W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 7-3-81

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
 TO BE NOTIFIED Paul Goodnight
 ADDRESS Smithville, W. Va.
 PHONE 47-3660

Coal operators entitled to drill upon the above named farm or tract of land for oil and gas, having fee
 (in case may be) under grant or lease dated Oct. 5 19 80 by Creola
B. Davis made to Berea Oil and Gas Corp. and recorded on the _____ day of _____
 19____ Wood County, Book 745 Page 33

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 of the above date.

The coal owners and/or operator are hereby notified that any objection they wish to make, or are required
to make, under the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of the permit and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators
at their above shown respective address _____ day _____ before, or on the
_____ day of _____ following or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE FORWARD COPIES OF ALL
CORRESPONDENCE DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
SURVEY DIVISION
P. O. BOX 124
MORGANTHAU, WEST VIRGINIA 26405
Attn: 304

Very truly yours,
(Sign Name) [Signature]

BEREA OIL AND GAS CORPORATION
 652 Empire Bank Bldg.
 Address Street
 of Clarksburg
 Well Operator City or Town
 W. Va. State

When a permit is issued or found by the Department of mines, within said period of ten days from the receipt of
this permit, the coal operators at the proposed location, the department shall forthwith issue to the well operator a permit reciting
the conditions of the permit and any objections have been made by the coal operators or found thereto by the department and that the same is approved
and the same is approved.

47-107-1094 PERMIT NUMBER

BLANKET BOND

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

PROPERTY OWNERSHIP TO DRILL _____ DEEPEN _____ FRACTURE STIMULATE _____
 (If known) _____ RESPONSIBLE AGENT:
Shawnee Drilling Co. NAME **M. V. Schumacher**
Marietta, Ohio ADDRESS **652 Empire Bank Bldg.**
614-373-6384 TELEPHONE **624-6420** **Clarksburg, W. Va.**

ESTIMATED DEPTH OF COMPLETED WELL _____ 4000' ROTARY CABLE TOOLS _____

GEOLOGICAL FORMATION **Ohio Shale**
 TYPE OF WELL _____ OIL _____ GAS _____ COMB STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

PERCENTAGE ASSESSMENT PROGRAM _____

ASSESSMENT PERIOD	USED FOR DRILLING	LEFT IN WELL	PERCENTAGE OF SURFACE CUBIC FT.
	250'	250'	To surface
	3980'	3980'	1500' Fillup Perf. Top _____ Perf. Bottom _____ Perf. Top _____ Perf. Bottom _____

APPROXIMATE FRESH WATER DEPTHS **25** FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS **None**
 IS COAL TO BE MINED IN THE AREA? **No** BY WHOM? **N/A**

TO DRILL _____

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR RE-DRILL:

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.

_____ must be completed by the coal operator if the permit is to be issued within ten days of receipt.

W.M. _____, Designated Agent for _____ Coal Company, Owner or Operator of the coal under _____ and place on our mine maps this proposed well location.

_____ Coal Company have no objections to said well being drilled at this location, provided the operator be _____ with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia _____

For Coal Company

Official Title