



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN. 200
 Source of Elevation USGS ELEV. 1058 TOP OF KNOB N.W. OF LOC.

"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."

Company BURDETTE OIL & GAS CO. INC.
 Address PO. BOX 10167 STATION C CHARLESTON, W.VA.
 Farm WALDO WAGNER
 Tract _____ Acres 75 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 667.0 EC
 Quadrangle ST. MARYS 7.5 BENS RUN WVA. - OHIO
 County PLEASANTS District UNION
 Engineer _____
 Engineer's Registration No. _____ = 92
 File No. _____ Drawing No. _____
 Date 4-17-79 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 47-073-0743

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

MAY 3 1979

6-4 2700' Gordon SHAWNER

80 86



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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

Quadrangle Bens Run
Permit No. 0743

Company Burdette Oil & Gas Co., Inc.
Address P. O. Box 10167 Sta. "C" Charleston, WV
Farm Waldo Wagner Acres 75
Location (waters) Sugar Creek
Well No. # 1 Elev. 667.0
District Union-Lafayette County Pleasants
The surface of tract is owned in fee by Waldo Wagner Heirs.
Address _____
Mineral rights are owned by Waldo Wagner Heirs.
Address _____

Drilling Commenced 4-22-79
Drilling Completed 4-25-79
Initial open flow 60,000 cu. ft. _____ bbls.
Final production 30,000 cu. ft. per day _____ bbls.
Well open _____ hrs. before test 77.5 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			Cement to Surf.
Cond. 13-10"			
9 5/8			
8 5/8	250	250	
7			
5 1/2			
4 1/2			
3			
2 7/8"	2700	2700	
Liners Used			

Well treatment details:

Attach copy of cementing record.

500 Gals. of 28% HCL Acid of Hydraulic Water Fracture.
1000 bbls. of water, 40,000 lbs. - 80/100 Mesh Sand, 20,000 lbs. of 20/40 Mesh Sand,
200,000 cu. ft. of Nitrogen

Coal was encountered at 0 Feet _____ Inches
Fresh water 35 Feet _____ Salt Water 1400 Feet _____
Producing Sand Gordon and Fifth Sand Depth 2660 - 2703

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow	Soft	0	30		
Sandstone	Gray	Hard	30	60		
Shale	Gray	Soft	60	188		
Shale	Red	Soft	188	226		
Sandstone	Gray	Hard	226	285		
Sand/Shale	Gray	Soft	285	601		
Cow Run			601	1006		
1st Salt Sand			1060	1115		
2nd Salt Sand			1166	1210		
3rd Salt Sand			1261	1287		
Maxon			1416	1443		
Big Lime			1476	1553		
Keener			1590	1620		
Injun			1639	1703		
Squaw			1727	1743		
Welch Stray			1972	1990		
Berea			2033	2041		
60 Foot			2206	2258		
80 Foot			2305	2340		
Gordon Stray			2462	2483		
Gordon			2508	2529		
5th Sand			2562	2585		
6th Sand			2660	2703		

~~2660'~~
2660'
667' elev.
1993 subsea

Show of oil and gas
Gas
AUG 11 1979

Michael A. Burdette



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

APR 20 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

April 20, 1979

Surface Owner Waldo Wagner
Beane Run, W. Va.
Address _____
Mineral Owner Same
Address _____
Coal Owner _____
Address _____
Coal Operator _____
Address _____

DATE _____
Company Burdette Oil & Gas Co.
P. O. Box 10167, Station "C"
Address Waldo Wagner
Farm _____ Acres 75
Location (waters) Sugar Creek
Well No. _____ Elevation 667.0'
District Union County Pleasants
Quadrangle Beane Run

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations ~~have not~~ commenced by 12-20-79.

John T. Tracy

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phil Tracy
PH: 758-4573 ADDRESS Middlebourn, W. Va.

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 April 4, 1977 by Waldo Wagner made to Beane Run and recorded on the _____ day of _____ 1977, in Pleasants County, Book _____ Page _____

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, W. Va. 26505

Very truly yours,

(Sign Name)

Z. T. Burdette

Burdette Oil & Gas Co.
Charleston, W. Va. 25312

Address
of
Well Operator

Street

City or Town

State

BLANKET BOND

*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.

47-073-0743

PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Clint Hurt & Associates NAME L. G. Burdette
 ADDRESS 344-2401 ADDRESS 5121 Big Tyler Road
 TELEPHONE _____ TELEPHONE 776-3767
 ESTIMATED DEPTH OF COMPLETED WELL: 2700' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL: OIL X GAS X COMB. _____ 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	200'	200'	70 surface
7			
5 1/2			
4 1/2			
3			Perf. Top
2	2700'	2700'	Perf. Bottom 100 sacks
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? None 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