



ACCURACY: 1/200'

New Location
 Drill Deeper
 Abandonment
 Reconnect
 Rebuild
 Other

Formation GORDON Oil
 Est. Depth 2800' 2600' Gas
 Water

Source of Elevation FORK ON BUFFALO (1974)
 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 4 of the public act regulating the oil and gas business of the mining laws of West Virginia.

Company C. E. PLAUGER
 Address SALEM, WV
 Surface Owner C. E. PLAUGER
 Mineral Owner " "
 Well No. 1 Area 368
 Elevation 955' CONVEYMENT 15'
 Quadrangle SALEM Series 7.5' 50'
 County DODDRIEGE District GREENBRIER
 Date 5/14/70 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF
 OIL AND GAS
 CHARLESTON

WELL LOCATION
 47 - 017 - 2783
 STATE COUNTY PENNBY



* Denotes location of well on United States Topographic Maps.
 Engineer CHIEF WATERMAN
 Engineer's Registration No. 3788 File No. 80-291

64 SALEM



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED
JAN 30 1981

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Salem 7 1/2
Permit No. 47-017-2783

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

Company C.E. Plauger Oil & Gas Co.
Address Rt. 2, Box 226, Salem, WV 26426
Farm F.M. Williams Acres 365
Location (waters) Buffalo Calf
Well No. One (1) Elev. 954
District Greenbrier County Doddridge
The surface of tract is owned in fee by C.E. Plauger

Address Rt. #2, Box 226, Salem, WV 26426
Mineral rights are owned by C.E. Plauger
Address Rt. 2, Box 226, Salem, WV
Drilling Commenced 8-27-80
Drilling Completed 9-12-80
Initial open flow No Show cu. ft. _____ bbls.
Final production 1,000-000 cu. ft. per day _____ bbls.
Well open 6 hrs. before test 525 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size | | | |
| 20-16 | | | |
| Cond. | | | |
| 13-10" 11 3/4" | 32' | Pulled | |
| 9 5/8 | | | |
| 8 5/8 | 219 | 219 | Cement to surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2548 | 200 sacks |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Big Injun & Keener 15,000# 80/100, 30,000# 20/40, 637 BBL water

Attach copy of cementing record.

Coal was encountered at 481-484 Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water 510 Feet _____
Producing Sand Big Injun and Keener Depth 2068', 2117'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|------------------|-------|--------------|----------|-------------|-------------------|-------------|
| Clay | | | 0 | 45 | | |
| Red Rock | | | 45 | 55 | | |
| Sand | | | 55 | 70 | | |
| Shale | | | 70 | 80 | | |
| Red Rock | | | 80 | 95 | | |
| Sand & Shale | | | 95 | 220 | | |
| Sand | | | 220 | 225 | | |
| Shale | | | 225 | 230 | | |
| Sand & Shale | | | 230 | 481 | | |
| Coal | | | 481 | 484 | | |
| Sand & Shale | | | 484 | 500 | | |
| Sand | | | 500 | 518 | | Wet at 510' |
| Shale | | | 518 | 527 | | |
| Sand & Shale | | | 527 | 755 | | |
| Red Rock & Shale | | | 755 | 830 | | |
| Sand & Shale | | | 830 | 1160 | | |
| Sand | | | 1160 | 1210 | | |
| Sand & Shale | | | 1210 | 1850 | | |
| Sand | | | 1850 | 1890 | | |
| Sand & Shale | | | 1890 | 2010 | | |
| Big Lime | | | 2010 | 2170 | | |
| Sand & Shale | | | 2170 | 2706 TD | | |

30 FT.

(over)

* Indicates Electric Log tops in the remarks section.

FEB 13 1981



6-24-80

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 10, 1980

Surface Owner C.E. Plauger
Address Rt. # 2 Box 226, Salem, W.Va. 26426

Company Plauger Oil & Gas Co.
Address Rt. # 2 Box 226, Salem, W.Va. 26426

Mineral Owner Same
Address _____

Farm F.M. Williams Acres 365
Location (waters) Buffalo Calf

Coal Owner Willis Tetrick
Address Clarksburg, W.Va.

Well No. One Elevation 955
District Greenbrier County Doddridge

Coal Operator NONE
Address _____

Quadrangle Salem

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St. Clarksburg, W.Va. 26301

PHONE 622-3871

Paul Garrett
Deputy Director - Oil & 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 May 1946 by Shel J. Williams made to Cecil E. Plauger and recorded on the _____ day of _____ 19____ in _____ 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, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) C.E. Plauger
Well Operator

Address Rt # 2 Box 226
of _____
Well Operator _____
City or Town Salem
State W.Va. 26426

If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plan by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the fact 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.

JUN 11 1980

47-017-2783

PERMIT NUMBER

I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements.

Signed by _____
DEPT. OF MINES

Single
PLAUGER BOARD

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 Spencer Enterprises NAME C.E. Plauger
 ADDRESS West Union, W.Va. 26456 ADDRESS Rt. # 2 Box 226, Salem, W.Va. 26426
 TELEPHONE 873-1602 TELEPHONE 782-1693
 ESTIMATED DEPTH OF COMPLETED WELL: 2600
 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- Ft. | 20- Ft. | |
| | 1,000 Ft. | 1,000 Ft. | Cemented To Surface |
| | 2,600 | | Cemented App. 500 Ft. |
| | | | Perf. Top |
| | | | Perf. Bottom |
| | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 10 FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS 800 to 900 Ft.
 IS COAL DEPOSITED 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.
 Related forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified (written) 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 there

WARRANTY: The undersigned Trustee for Virginia A. Tetrick Coal Company, Owner or Operator of the coal under has examined and place on our mine maps this proposed well location.
Trustee for Va. A. Tetrick Coal Company have no objections to said well being drilled at this location, provided has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

Virginia A. Tetrick
Trustee
Willis G. Tetrick Jr.
Official Title Trustee