



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

"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."

Minimum degree of accuracy is one part in 200
 Signed J. B. Shuck P.E. 4596

COMPANY STONE STREET LANDS Co.
 ADDRESS Box 350 SPENCER W.VA.
 FARM DUANE MOATS
 MAP _____ ACRES 46 LEASE NO. 653
 WELL (FARM) NO. ONE SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 827'
 QUADRANGLE Harrisville (C) EC
 COUNTY Ritchie DISTRICT Murphy
 POINT OF PROVEN ELEVATION WASHBURN B.M. EL: 756
 FILE NO. _____ DRAWING NO. _____
 DATE 2-24-77 SCALE 1"=500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **RIT-3696**
 + 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, **47-085**
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED
JUL 29 1977

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Harrisville
Permit No. Rit-3696

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

Company Stonestreet Lands Company
Address Box 350 Spencer, W. Va.
Farm Duane Moats Acres 46
Location (waters) Indian Creek
Well No. _____ Elev. 827'
District Murphy County Ritchie
The surface of tract is owned in fee by C.A. Wilson
Address Parkersburg, W. Va.
Mineral rights are owned by Duane Moats, et al
Address Harrisville, W. Va.
Drilling Commenced March 27, 1977
Drilling Completed April 1, 1977
Initial open flow 65,000 cu. ft. _____ bbls.
Final production 675,000 cu. ft. per day _____ bbls.
Well open 24 hrs. before test 550 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	214'	214'	cement to surface
7			
5 1/2			
4 1/2	1930'	1930'	100 sacks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

1 stage - 500 bbl. water, 500 gal. 15% HCL, 30,000 lbs. 20/40 sand
200 lbs. jelling agent, 15 gal. nonemulsifying agent, 15 gal. foaming agent

Coal was encountered at _____ Feet _____ Inches
Fresh water 55 Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1791'-1809'; 1836'-1845'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	7		
Sand			7	40		
Shale			40	220		
Red Rock			220	435		
Sand			435	685		
Shale			685	825		
Slate			825	980		
Red Rock			980	1081		
Sand			1081	1236		
Shale			1236	1400		
Red Rock			1400	1525		
Slate			1525	1623		
Maxim			1623	1647		
Little Lime			1647	1696		
Big Lime			1696	1754		
Big Injun			1754	1820		
Shale			1820	1834		
Squaw			1834	1850		
Shale			1850	1870		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
MAR 28 1977
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 2, 1977
Company Stonestreet Lands Company
Address Box 350, Spencer, W. Va. 25276
Farm Duane Moats Acres 46
Location (waters) Indian Creek
Well No. 1 Elevation 827'
District Murphy County Ritchie
Quadrangle Harrisville

Surface Owner C. A. Wilson, hrs.
Address Parkersburg, W. Va.
Mineral Owner Duane Moats, et al
Address Harrisville, W. Va.
Coal Owner None
Address _____
Coal Operator None
Address _____

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 7-22-77.

INSPECTOR
TO BE NOTIFIED Paul Goodnight
ADDRESS Smithville, West Virginia
PHONE 477-2455

Robert T. [Signature]
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 March 5 19 75 by Duane Moats, et al made to Dale Wolfe & subsequently assigned to Stonestreet Lands Co. and recorded on the _____ day of May 19 75 in Ritchie County, Book 118 Page 821

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

Address
of
Well Operator

Very truly yours,
(Sign Name) [Signature]
Well Operator
P. O. Box 350
Street
Spencer,
City or Town
West Virginia 25276
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.

BLANKET BOND

Rit-3696 PERMIT NUMBER
47-085

"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 [Signature]

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Not known at this time. _____ NAME Larry V. Stonestreet _____
 ADDRESS _____ ADDRESS Box 350, Spencer, W. Va. _____
 TELEPHONE _____ TELEPHONE 927-2800 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2200' _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS 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	220'	220'	Cement to surface.
7			
5 1/2			
4 1/2	2200'	2200'	70 sks. cement.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 70 FEET _____ SALT WATER _____ 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