



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Elizabeth

Permit No. W00-607

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

Company Big B Drilling Company
Address Bx. 20, Sissonville, W. Va.
Farm D. A. Ruley, et al Acres 290
Location (waters) Lft. Fk. Kites Run
Well No. One (1) Elev. 879'
District Clay County Wood
The surface of tract is owned in fee by _____
D. A. Ruley
Address Parkersburg, West Virginia
Mineral rights are owned by Same
_____ Address _____
Drilling Commenced 5-7-73
Drilling Completed 7-29-73
Initial open flow No gauge cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
20-16 10"	298	298	cmt. to surface
8 5/8			
7			
5 1/2			
4 1/2	5400	5400	cmt to surface
3			
2	5285	5285	cmt. to surface
Liners Used			

Well treatment details:

Attach copy of cementing record.

All cementing work by Dowell

57 mcf.

Coal was encountered at No Coal Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Oriskany Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	5		
Red Rock			5	214		
Lime			214	225		
Slate			225	230		
Red Rock			230	300		
Sand			300	330		
Slate			330	376		
Red Rock			376	430		
Shale			430	450		
Red Rock			450	470		
Sand			470	480		
Slate			480	490		
Sand			490	560		
Slate			560	595		
Red Rock			595	615		
Slate			615	687		
Sand & Red Rock			687	700		
Slate			700	735		
Red Rock			735	760		
Slate			760	785		
Red Rock			785	820		
Slate			820	845		
Red Rock			845	975		
Shale			975	1002		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			1002	1055		
Sand			1055	1060		
Slate			1060	1100		
Sand			1100	1150		
Slate			1150	1205		
Sand			1205	1245		Oil show 1210 to 1310
Slate			1245	1268		water 1/2 bbl/hr.
Sand			1268	1340		
Shale			1340	1370		
Sand			1370	1425		
Shale			1425	1492		
Sand			1492	1517		
Slate			1517	1627		
Sand			1627	1925		Water @ 1760'
Shale			1925	2320		
Brown Shale	SUNBURG		2320	2330		
Sand	FORGE		2330	2334		
Sand			2334	2665		
Sandy Lime			2665	2720		
Slate			2720	4200		
Brown Shale			4200	4305		
Slate			4305	4385		
Shale			4385	4395		
Slate			4395	4750		
Brown Shale - marcellus			4750	5100		
X Oriskany - sdy, upper amd.			5100	5115		
Lime - Onondaga			5115	5247		
Sand - Oriskany			5247	5283		
Lime - Helderberg			5283	5339		
Total Depth			5339'			

Date 7/23/74 19__

APPROVED BIG B DRILLING COMPANY Owner

By [Signature]
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAR 29 1973

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 2, 1973

Surface Owner W. A. Vincent & Sons, Inc. Company W. A. Vincent & Sons, Inc.
 Address 1000 1st St., Sissonville, W. Va. Address 200 Jefferson St., Sissonville, W. Va.
 Mineral Owner W. A. Vincent & Sons, Inc. Farm W. A. Vincent & Sons, Inc. Acres 200
 Address 1000 1st St., Sissonville, W. Va. Location (waters) fr. Sissonville of L.K. Riv
 Coal Owner one Well No. 10 Elevation 712
 Address _____ District 107 County Wood
 Coal Operator _____ Quadrangle Sissonville
 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 7-29-73.

Robert L. Hoda
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Fred Burdette
Sissonville, W.Va. PH: 984-9263

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 15 September 19 73 by W. A. Vincent & Sons, Inc. made to W. A. Vincent & Sons, Inc. and recorded on the 1st day of October 19 72, in Wood County, Book 100 Page 73

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.

Very truly yours,
(Sign Name) Cooper Shultz
Well Operator

Address _____ Street _____
 of _____ City or Town _____
 Well Operator _____ 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.

BOND DRILL

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 Wilton Cover _____ NAME Joseph Shields _____
 ADDRESS Williams Town, W. Va. _____ ADDRESS 4238 Jefferson St., Parkersburg _____
 TELEPHONE 372-2222 _____ TELEPHONE 422-4270 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 520 _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: silurian _____
 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	19'	19'	Calculate
9 - 5/8			
8 - 5/8	200'		
7	290'		no cement
5 1/2			
4 1/2	520'		no cement
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 20 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? 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