



LONGITUDE: 80-40-00

13950' S

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS. BM. on Brg. Abut. over Buck Run Elev. = 888'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES. *Mark C. Echard*
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-8 (8-78)



DATE NOVEMBER 15, 1980
 OPERATOR'S WELL NO. FOUR
 API WELL NO. 47-017-2890
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 2890

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1070' WATER SHED BUCK RUN
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5'
 SURFACE OWNER WILLIAM S. WYSONG ACREAGE 319.56
 OIL & GAS ROYALTY OWNER WILLIAM S. WYSONG LEASE ACREAGE 319.56
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5450'
 WELL OPERATOR CARSON PETROLEUM CORP DESIGNATED AGENT MR. LOWELL M. JOHNSON / MR. JERRY MASONER
 ADDRESS P.O. BOX 133 SAND FORK, W.V. 26430 ADDRESS P.O. BOX 133 SAND FORK, W.V. 26430

JAN 2 1981

6-6 New Milton South (307)

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

Date: February 24, 1981

FORM IV-35
(Obverse)

Operator's
Well No. Wysong #4

[08-78]

WELL OPERATOR'S REPORT /
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47 - 017 - 2890
State County Permit

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1070 Watershed: Little Buck Run
District: Cove County: Doddridge Quadrangle: New Milton

WELL OPERATOR Carson Petroleum Corporation DESIGNATED AGENT Lowell M. Johnson
Address P O Box 133 Address P O Box 133
Sand Fork, WV 26430 Sand Fork, WV 26430

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

PERMIT ISSUED ON November 4, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
Address Clarksburg, WV 26301
622-3871

GEOLOGICAL TARGET FORMATION: Elk Depth 5294 feet
Depth of completed well, 5423 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 40 feet; salt, ___ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced December 15, 1980, and completed December 19, 1980

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8					1114'	1114'	To surface
Intermediate								Sizes
Production	4 1/2						5368'	160 sks
Perforations								Perforations: Top Bottom

DEPT. OF MINES

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4983-4986 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, ___ Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, ___ psig (surface measurement) after ___ hours shut in
[If applicable due to multiple completion--]
Second producing formation Elk Pay zone depth 5294 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 492,000 Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, 10 hours
Static rock pressure, 1680 psig (surface measurement) after 48 hours shut in

MAR 23 1981

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

Fractured January 2, 1981

Elk - 20,000 lb. 80/100 sand
40,000 lb. 20/40 sand
2400 lb. breakdown
412 bbls. water
17.9 BPM at 2700 lb.

Benson - 20,000 lb. 80/100 sand
40,000 lb. 20/40 sand
2800 lb. breakdown
485 bbls. water
24.4 BPM at 2000 lb.

Perforations - 5256 - 5294, 7 holes

Perforations - 4983 - 4986, 6 holes

WELL LOG

FORMATION	Color	Hard or Soft	19 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Red Rock, Sand, Shale			0	2057	Water at 40'
Little Lime			- 2057	2072	Gas at 2013, no show
Shale			2072	2098	Gas at 2170, no gas
Blue Monday			2098	2111	Gas at 3078
Big Lime			- 2111	2171	Gas at 4020
Big Injun			2171	2256	Gas at 4891
Gray Shale			2256	2302	Gas at 5046
Weir Sand			2302	2430	Gas at 5138
Gray Shale			2430	2515	Gas at T.D.
Gantz Sand			- 2515	2526	
Gray Shale			2526	3048	
Fifth Sand			3048	3170	
Gray Shale			3170	4977	
Benson			- 4977	4990	
Gray Shale			4990	5252	
Elk Sand			5252	5357	
Gray Shale			5357	5423	
Total Depth			5423		

(Attach separate sheets to complete as necessary)

Carson Petroleum Corporation
Well Operator
By Lowell M. Johnson
Its Agent

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."



COPY

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 24 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

DATE November 21, 1980

Surface Owner William S. Wysong
Address Alexander, VA
Mineral Owner William S. Wysong
Address Alexander, VA
Coal Owner N/A
Address _____
Coal Operator N/A
Address _____

Company Carson Petroleum Corporation
Address P O Box 133, Sand Fork, WV 26430
Farm Wysong Acres 319.56
Location (waters) Little Buck Run
Well No. Four Elevation 1070'
District Cove County Doddridge
Quadrangle New Milton

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 7-25-81

INSPECTOR TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, WV 26301
PHONE 622-3871

Paul B. Bennett
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 September 23 1980 by Triangle Oil Company made to Carson Petroleum Corporation and recorded on the _____ day of _____ 19____, in NOT OF RECORD 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:

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 -348-3092 348-3096

Address of Well Operator

Very truly yours, CARSON PETROLEUM CORPORATION

(Sign Name) Lawell M. Johnson (l/c)
Well Operator

P O Box 133 Street
Sand Fork City or Town
West Virginia 26430 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

47-017-2890

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 Lawell M. Johnson (l/c)

