

LONGITUDE: 80-40-00

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS. BM. on Brq. 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-6 (8-78)



DATE SEPTEMBER 29, 1980
 OPERATOR'S WELL NO. ONE
 API WELL NO. 47-017-2846
 STATE COUNTY PERMIT

**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 1076' WATER SHED BUCK RUN
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' VAD/S 15' WC
 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

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

Date December 18, 1980

FORM IV-35
(Obverse)

Operator's
Well No. Wysong #1

[08-78]

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

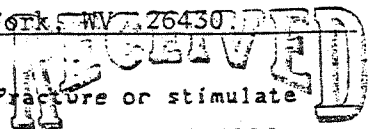
API Well No. 47 - 017 - 2846
State County Permi

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

LOCATION: Elevation: 1076' Watershed: 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 / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____



OIL & GAS DIVISION

DEPT. OF MINES

PERMIT ISSUED ON October 2, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED

Name Paul Garrett

Address Clarksburg, WV 26301

622-3871

GEOLOGICAL TARGET FORMATION: Elk Depth 5347 feet

Depth of completed well, 5500' feet Rotary / Cable Tools

Water strata depth: Fresh, 163 feet; salt, _____ feet.

Coal seam depths: None Is coal being mined in the area? No

Work was commenced November 22, 1980, and completed November 27, 1980

CASING AND TUBING PROGRAM

CASING 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					1132'	1132'	To surface
Coal								Sizes
Intermediate								
Production	4 1/2						5417'	175 sks
Tubing								Depths set
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5025 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 ALEX Pay zone depth 5347 feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, 0 Bbl/d

Final open flow, 410 Mcf/d Final open flow, 0 Bbl/d

Time of open flow between initial and final tests, 8 hours

Static rock pressure, 325 psig (surface measurement) after 24 hours shut in

JAN 21 1981

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

Fractured December 8, 1980

<p>ALEX Elk - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 19 BPM at 2200 lb. 2100 lb. breakdown 495 bbls. water</p>	<p>Benson - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 15.8 BPM at 2000 lb. 2200 lb. breakdown 490 bbls. water</p>
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Perforations - 5140 - 5347, 10 holes Perforations - 5022 - 5026, 6 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	287	Water 163'
Red Rock & Shale			-287	680	
Sand & Shale			680	1270	
Sand			1270	1352	
Sand & Shale			1352	2074	
Little Lime			-2074	2090	
Pencil Cave			2090	2098	
Blue Monday Sand			2098	2150	
Big Lime			2150	2195	
Big Injun Sand			2195	2230	
Sand & Shale			2230	2548	
Gantz Sand			-2548	2570	
Sand & Shale			2570	5009	
Benson Sand			-5009	5021	Gas 5016'
Sand & Shale			5021	5305	
Elk Sand ALEX			5305	5408	
Shale			5408	5454	
Total Depth			5454		

(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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
OCT - 8 1980
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

COPY OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 2, 1980

Surface Owner William S. Wvsong

Company Carson Petroleum Corporation

Address Alexander, VA

Address P O Box 133, Sand Fork, WV 26430

Mineral Owner William S. Wysong

Farm Wvsong Acres 319.56

Address Alexander, VA

Location (waters) Buck Run

Coal Owner None

Well No. One Elevation 1076'

Address _____

District Cove County Doddridge

Coal Operator None

Quadrangle New Milton

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 6-6-81.

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, WV 26301

PHONE 622-3871

J. E. Hussey
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:

Very truly yours,
(Sign Name) *William Wvsong*
Well Operator

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

Address _____
of _____
Well Operator _____
P O Box 133 _____
Street _____
Sand Fork _____
City or Town _____
West Virginia _____
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- 2846 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 _____

Wvsong

**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 Union Drilling, Inc. NAME Jerry Masoner
 ADDRESS Drawer 40, Buckhannon, WV 26201 ADDRESS P O Box 133, Sand Fork, WV 26430
 TELEPHONE 472-4610 TELEPHONE 462-7009
 ESTIMATED DEPTH OF COMPLETED WELL: 5450' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WFL.	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	1100	1100	To surface
7			
5 1/2			
4 1/2		5450'	<i>Jerry Masoner</i>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS N/A _____
 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