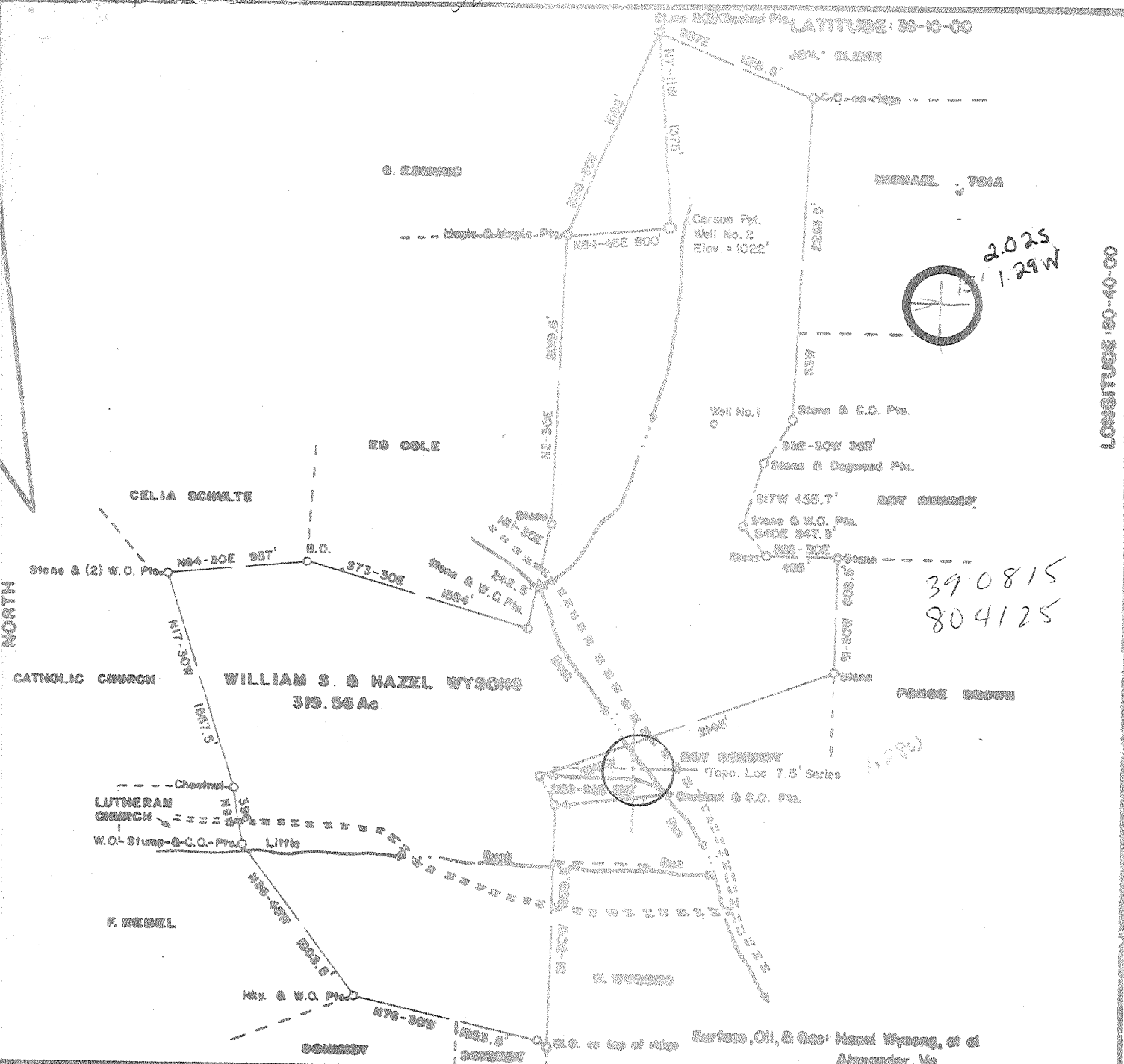


plot card NW

LATITUDE: 39-10-00

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 Brg. Abut. over Duck 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 MINE. Mark C. Echard  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

PLATE SEAL HERE

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



DATE SEPTEMBER 29, 1980  
 OPERATOR'S WELL NO. TWO  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2848  
 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 1022' WATER SHED DUCK RUN  
 DISTRICT COVE \_\_\_\_\_ COUNTY SCHENLEY  
 QUADRANGLE NEW MILTON T.5 VADIS 15' WC  
 SURFACE OWNER WILLIAM S. WYSONG AC REASE 319.56  
 OIL & GAS ROYALTY OWNER WILLIAM S. WYSONG LEASE ACREAGE 319.56  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REFRILL \_\_\_\_\_ 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 2850'  
 WELL OPERATOR CARSON PETROLEUM CORP DESIGNATED AGENT MR. LOWELL M. JOHNSON / MR. JERRY MARONER  
 ADDRESS P.O. BOX 133 SAND FORK, W.V. 26430 ADDRESS P.O. BOX 133 SAND FORK, W.V. 26430

6-6 NEW MILTON S

Jan 81

307

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

Date December 18, 1980

FORM IV-35  
(Obverse)

Operator's  
Well No. Wysong #2

[08-78]

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

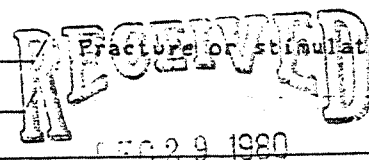
API Well No. 47 - 017 - 2848  
State County Permi

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

LOCATION: Elevation: 1022' 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) \_\_\_\_\_



PERMIT ISSUED ON October 2, 1980

OIL & GAS INSPECTOR FOR THE STATE OF WEST VIRGINIA  
DEPT. OF MINES

(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 5357 feet

Depth of completed well, 5480 feet Rotary  / Cable Tools

Water strata depth: Fresh, 172 feet; salt, \_\_\_\_\_ feet.

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

Work was commenced December 1, 1980, and completed December 7, 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					1100	1100	To surface
Coal								Sizes
Intermediate								
Production	4 1/2						5446	160 sks
Tubing								Depths set
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5016 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 5357 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, 0 Bbl/d  
Final open flow, 327 Mcf/d Final open flow, 0 Bbl/d

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

Static rock pressure, 1675 psig (surface measurement) after 48 hours shut in

JAN 21 1981

[08-78]

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

Fractured December 15, 1980

*ALEX*  
 EIK - 20,000 lb. 80/100 sand  
 40,000 lb. 20/40 sand  
 23.7 BPM at 2100 lb.  
 409 bbls. water  
 2850 lb. breakdown

Benson - 20,000 lb. 80/100 sand  
 40,000 lb. 20/40 sand  
 20 BPM at 1700 lb.  
 3100 lb. breakdown  
 480 bbls. water

Perforations - 5170, 5307, 5308, 5334,  
 5335, 5345, 5356, 5356,  
 1 hole each

Perforations -- 5012 - 5015, -- 6 holes

WELL LOG

FORMATION	Color	Hard or Soft	S Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	485	Water 172'
Red Rock & Shale			485	990	
Sand & Shale			990	1455	
Sand			1455	1560	
Sand & Shale			1560	2068	
Little Lime			2068	2087	
Pencil Cave			2087	2103	
Blue Monday Sand			2103	2148	
Big Lime			2148	2220	
Big Injun			2220	2274	
Sand & Shale			2274	2534	
Gantz Sand			2534	2546	
Sand & Shale			2546	5018	
Benson Sand			5018	5030	No gas
Sand & Shale			5030	5316	
Elk Sand <i>ALEX</i>			5316	5374	
Sand & Shale			5374	5500	
Total Depth			5500		

(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 - 2 1980  
OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

COPY

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

DATE October 2, 1980  
Company Carson Petroleum Corporation  
Address P O Box 133, Sand Fork, WV 26430  
Farm Wysong Acres 319.56  
Location (waters) Buck Run  
Well No. Two Elevation 1022'  
District Cove County Doddridge  
Quadrangle New Milton

Surface Owner William S. Wysong  
Address Alexander, VA  
Mineral Owner William S. Wysong  
Address Alexander, 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 6-10-81.

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS Clarksburg, WV 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 September 23 19 80 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) Paul Garrett  
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- 2848 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 \_\_\_\_\_

**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)  
NAME     Union Drilling, Inc.    

ADDRESS     Drawer 40, Buckhannon, WV 26201    

TELEPHONE     472-4610    

ESTIMATED DEPTH OF COMPLETED WELL:     5450'    

PROPOSED GEOLOGICAL FORMATION:     Devonian Shale    

TYPE OF WELL:     OIL          GAS     X     COMB.          STORAGE          DISPOSAL         

  RECYCLING          WATER FLOOD          OTHER         

RESPONSIBLE AGENT:  
NAME     Jerry Masoner    

ADDRESS     P O Box 133, Sand Fork, WV 26430    

TELEPHONE     462-7009    

ROTARY     X     CABLE TOOLS         

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	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'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS     50     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.

*[Handwritten Signature]*

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title