

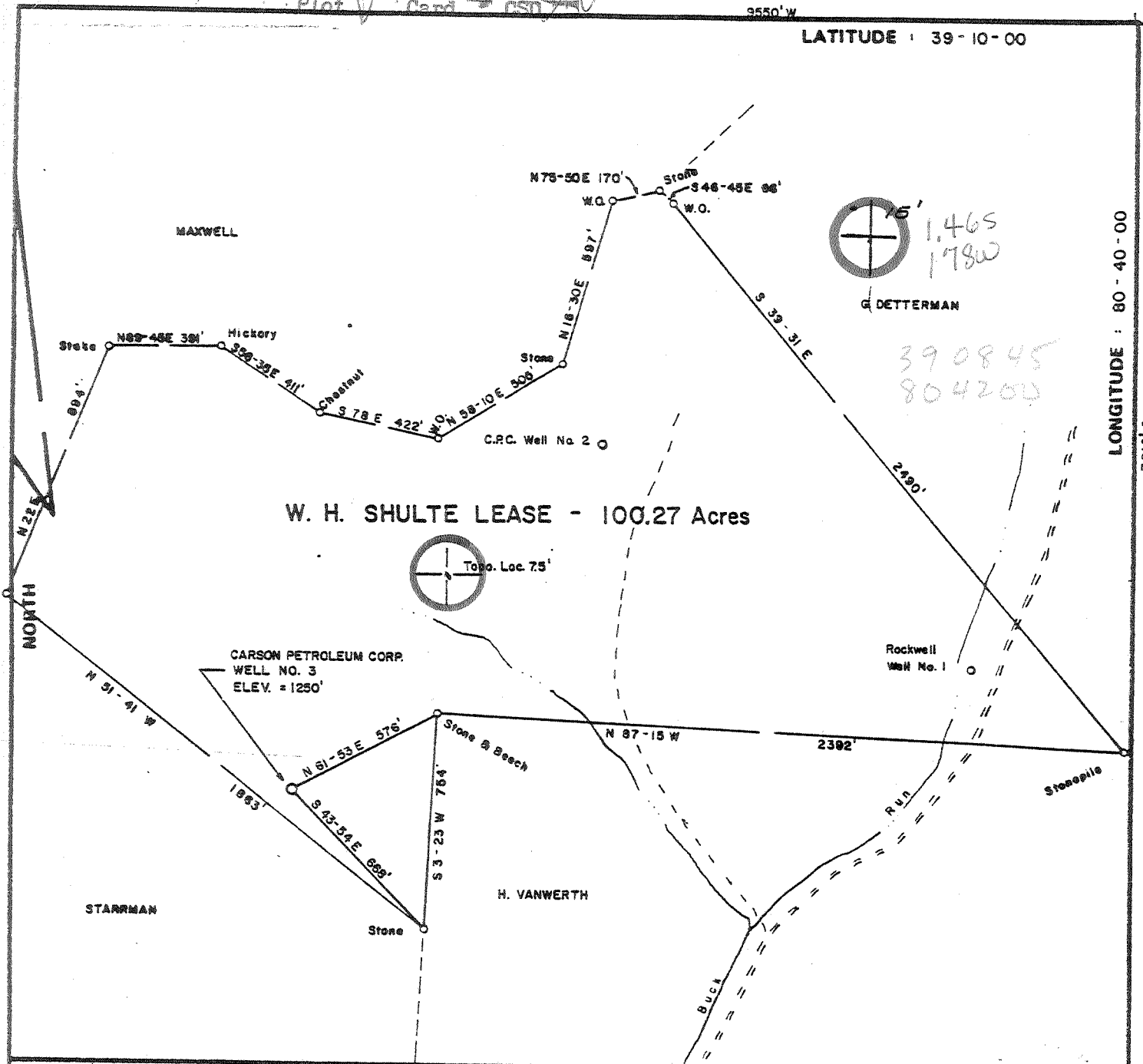
Plot Card 150774

9550' W

LATITUDE : 39-10-00

LONGITUDE : 80-40-00

7610' S



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM on Bridge over Buck Run Elev. = 988'

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-S (8-78)



DATE JANUARY 8, 1991
 OPERATOR'S WELL NO. THREE
 API WELL NO. 47-017-2957
 STATE 47 COUNTY 017 PERMIT 2957

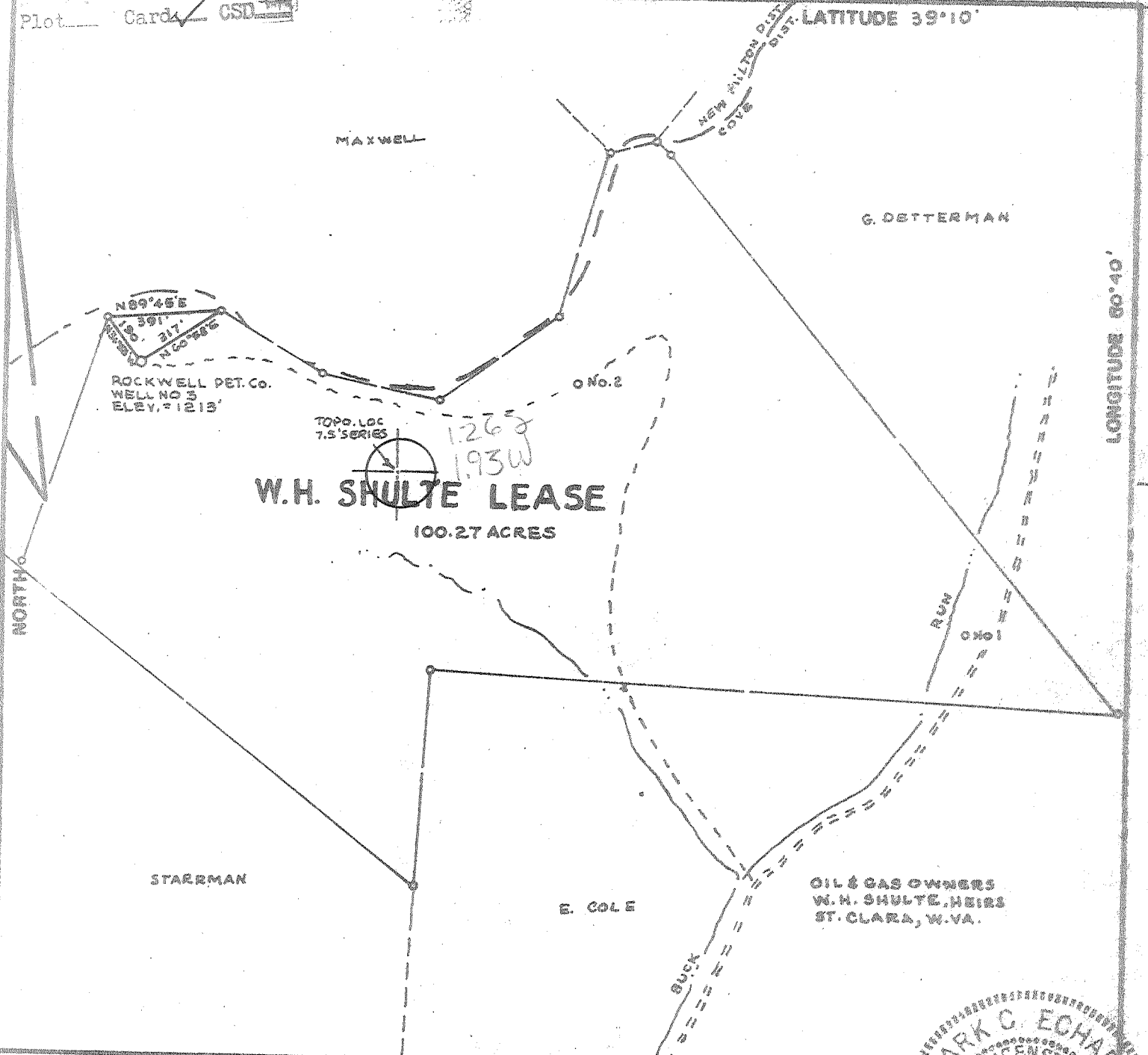
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1250' WATER SHED BUCK RUN
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 75' *VA 11 WC*
 SURFACE OWNER KENNETH CAPP ACREAGE 100.27
 OIL & GAS ROYALTY OWNER W.H. SHULTE HEIRS LEASE ACREAGE 100.27
 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 5700'
 WELL OPERATOR CARSON PETROLEUM CORP. DESIGNATED AGENT MR. LOWELL M. JOHNSON / MR. JERRY MASONER
 ADDRESS BOX 133 ADDRESS BOX 133
SAND FORK, W.V. 26430 SAND FORK, W.V. 26430

TRASCOP

6-6 New Milton South (307)

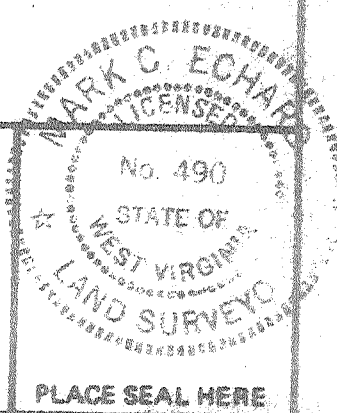
FEB 13 1991



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2100' W
DE LOC. - ELEV. = 1374'

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.

(SIGNED) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE FEBRUARY 25, 1980
 OPERATOR'S WELL NO. THREE
 API WELL NO. _____
47 - 017 - 2672
 STATE COUNTY PERMIT
now: 017-2957

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1213' WATER SHED BUCK RUN
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' WC VAD 13'
 SURFACE OWNER KENNETH CAPP ACREAGE 100.27
 OIL & GAS ROYALTY OWNER W.H. SHULTE, HEIRS LEASE ACREAGE 100.27
 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 5570'
 WELL OPERATOR ROCKWELL PETROLEUM CO. DESIGNATED AGENT MR. ROBERT R. JONES
 ADDRESS P.O. BOX 86 ADDRESS P.O. BOX 86
SAND FORK, W.VA. 26430 SAND FORK, W.VA. 26430

MAY 15 1980

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

Date March 9, 1981

FORM IV-35
(Obverse)

Operator's
Well No. Shulte #3

[08-78]

WELL OPERATOR'S REPORT
OF

API Well No. 47 - 017 - 2957
State County Permi

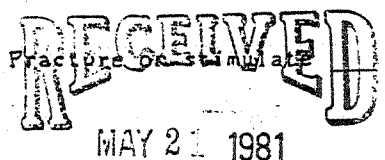
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1250' 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 / Stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____



PERMIT ISSUED ON January 20, 1981 OIL & GAS DIVISION
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Steve Casey
Address Jane Lew, WV
884-7470

GEOLOGICAL TARGET FORMATION: Benson Depth 5264 feet
Depth of completed well, 5690 feet Rotary / Cable Tools
Water strata depth: Fresh, 70 feet; salt, _____ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced January 23, 1981, and completed January 27, 1981

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	Left in well		
Conductor									Kinds
Fresh water	8 5/8					1207'	1207'	To surface	
Coal									Sizes
Intermediate									
Production	4 1/2						5630'	700 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2434 - 2444 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 Benson Pay zone depth 5260 - 5264 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 706 Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, 12 hours
Static rock pressure, 625 psig (surface measurement) after 48 hours shut in

JUN 4 1981

[08-78]

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

Fractured April 29, 1981

Benson - 10,000 lb. 80/100 sand
30,000 lb. 20/40 sand
3200 lb. breakdown
657 bbls. water
29 BPM at 2900 lbs.

Big Injun - 40,000 lb. 20/40 sand
3000 lb. breakdown
555 bbls. water
29 BPM at 2900 lb.

Perforations - 5260 - 5264, 8 holes

Perforations - 2434 - 2444, 8 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 & Red Rock			0	2301	Water @ 70', 1768'
Little Lime Shale			2301	2317	
Pencil Cave Shale			2317	2325	
Blue Monday Sand			2325	2358	
Big Lime			2358	2403	
Big Injun Sand			2403	2507	Gas at 2433
Gray Shale			2507	2575	
Weir Sand			2575	2672	
Gray Shale			2672	2784	
Gantz Sand			2784	2798	
Gray Shale			2798	5258	Gas at 2812', 5200'
Benson Sand			5258	5266	
Gray Shale			5266	5527	Gas at 5300'
Elk Sand			5527	5597	
Gray Shale			5597	5690	Gas at 5690
Total Depth			5690		

(Attach separate sheets to complete as necessary)

Carson Petroleum Corporation

Well Operator

By *S.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."

[08-78]

COPY

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. Shulte #3
API Well No. 47 - 017 - 2672
State County Permi
now: 017-2957

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1213' Watershed: Buck Run
District: Cove County: Doddridge Quadrangle: New Milton

WELL OPERATOR Rockwell Petroleum Company
Address P O Box 86
Sand Fork, WV 26430

DESIGNATED AGENT Robert R. Jones
Address P O Box 86
Sand Fork, WV 26430

OIL & GAS
ROYALTY OWNER W. H. Shulte Heirs
Address St. Clara, WV

COAL OPERATOR N/A
Address

Acreage 100.27

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Kenneth Capp
Address Hurricane, WV

Name N/A
Address

Acreage 100.27

Name N/A

FIELD SALE (IF MADE) TO:
Name N/A
Address

Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address Clarksburg, WV 26301
622-3871

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address
RECEIVED
APR - 2 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated January 3, 19 79, to the undersigned well operator from W. H. Shulte Heirs

[If said deed, lease, or other contract has been recorded:]

Recorded on August 18, 19 79, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 110 at page 223. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

Rockwell Petroleum Company
Well Operator
By Mark R. Wood
Its Partner

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRIILLING CONTRACTOR (IF KNOWN) Union Drilling, Inc.
Address Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5570 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 122 feet; salt, N/A feet.
Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X /

HOUSING AND TUBING PROGRAM

HOUSING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling		Left in well	Kinds
Conductor									
Fresh water	8 5/8					1300	1300	To surface	
Coal									Sizes
Intermediate									
Production	4 1/2						5570'		Depths set
Tubing									
Packers									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 12-3-80


Director, Oil & Gas Division

The following notice must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its



Shulte #3

RECEIVED

JAN 20 1981

COPY

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 15, 1981

Surface Owner Kenneth Capp
Address Hurricane, WV
Mineral Owner Consolidated Gas Supply Corp
Address Clarksburg, WV
Coal Owner N/A
Address _____
Coal Operator N/A
Address _____

Company Carson Petroleum Corporation
Address P O Box 133, Sand Fork, WV 26430
Farm Shulte Acres 100.27
Location (waters) Buck Run
Well No. Three Elevation 1250'
District Cove County Doddridge
Quadrangle New Milton

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 9-21-81

Frederick W. Bennett
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Steve Casey
ADDRESS Jane Lew, WV
PHONE 884-7470

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 January 3 19 79 by W.H. Shulte Heirs made to Rockwell Petroleum Company and recorded on the 18th day of August 19 79, in Doddridge County, Book 110 Page 223

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, Carson Petroleum Corporation
(Sign Name) Lowell M. Johnson
Well Operator

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

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- 2957 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 Lowell M. Johnson

Summary

