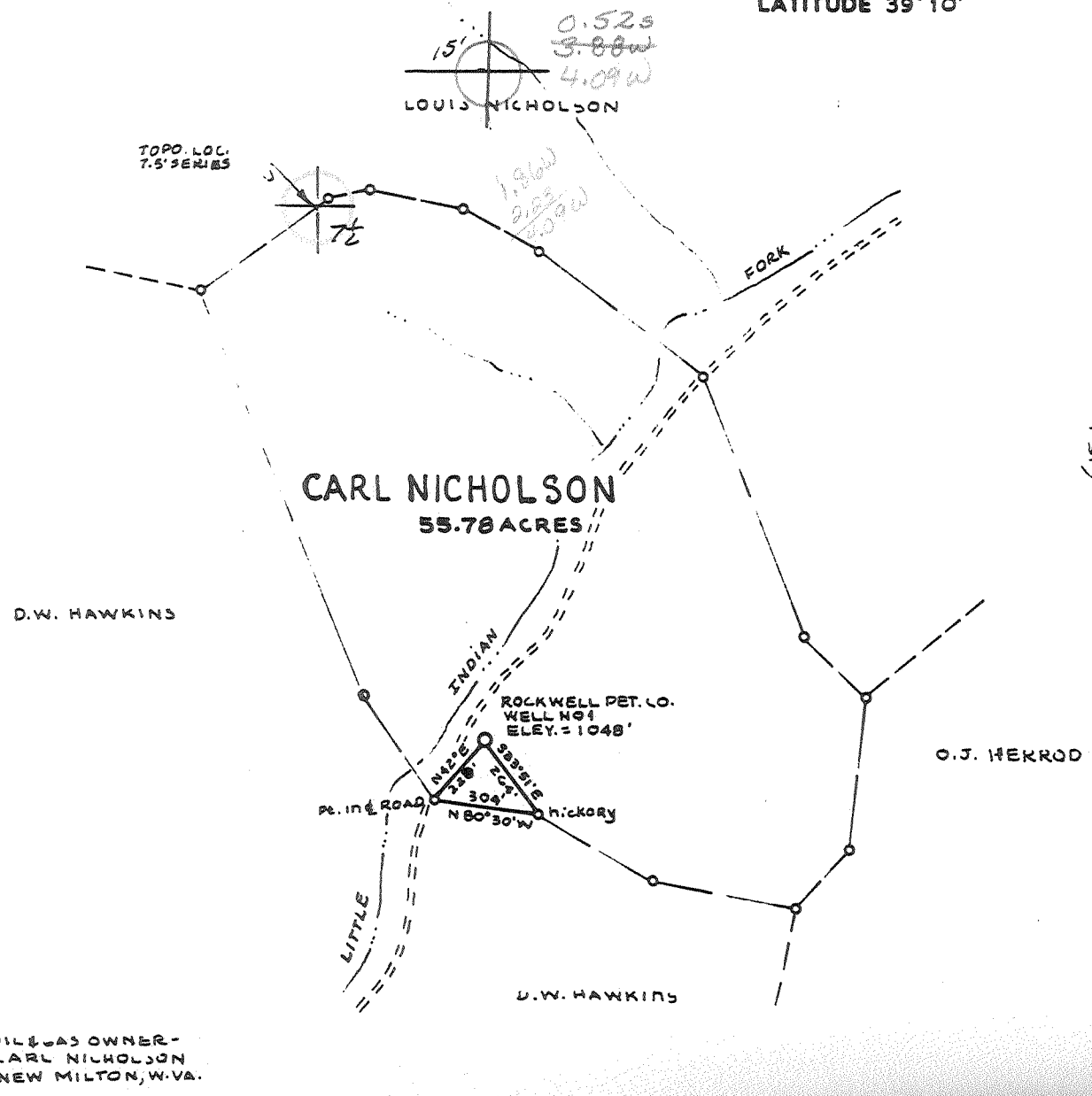


LATITUDE 39° 10'

(15') 80° 35'
LONGITUDE 80° 37' 30"

NORTH



OIL & GAS OWNER -
CARL NICHOLSON
NEW MILTON, W.VA.

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1/200
PROVEN SOURCE OF
ELEVATION TOP OF KNOS 2100'S NW
OF LOC. - ELEV = 1412'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.

(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)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE MARCH 15, 1980
OPERATOR'S WELL NO. ODE
API WELL NO.
47-017-2658-P
STATE COUNTY PERMIT

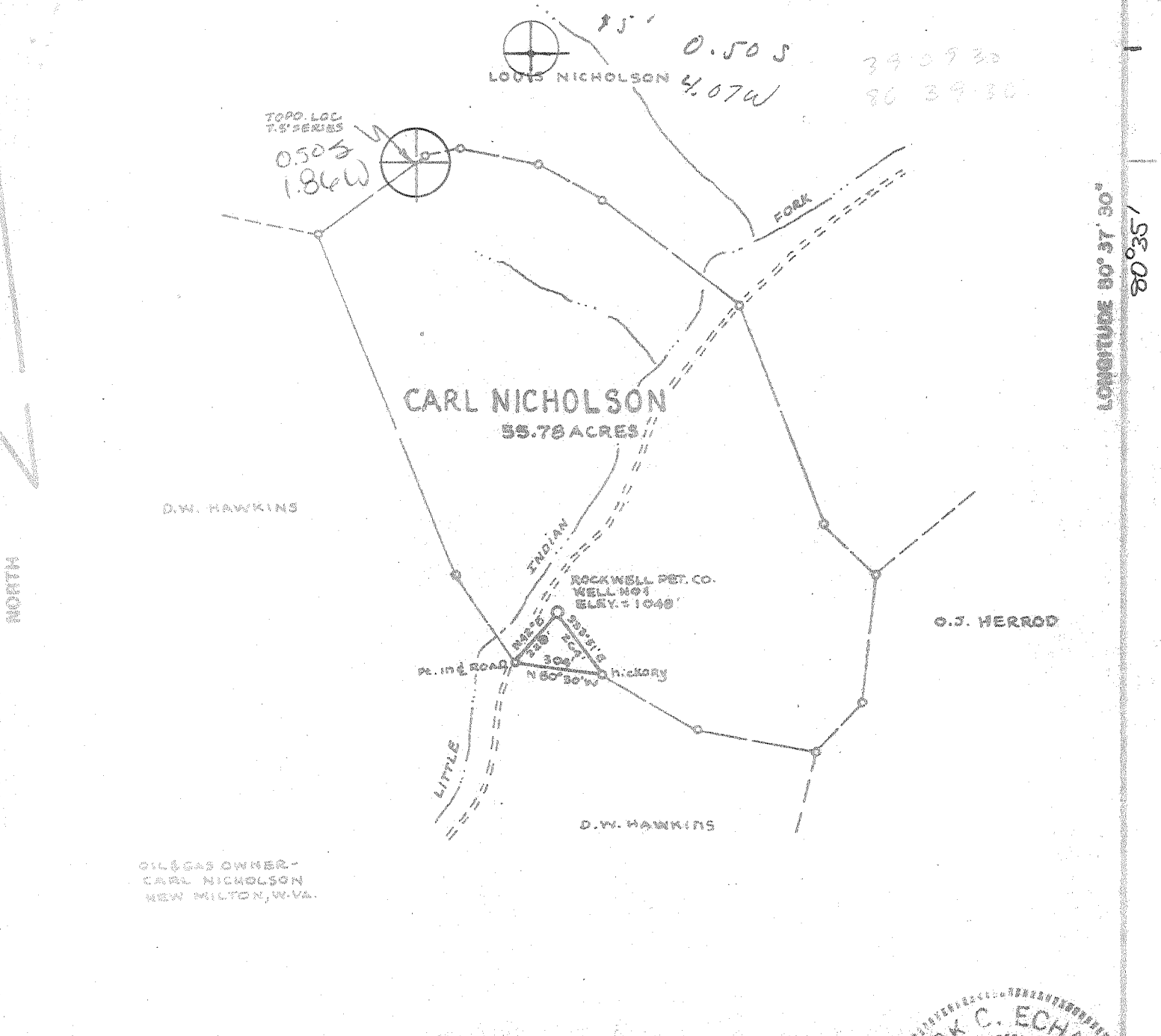
JUN 06 1983

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1048' WATER SHED LITTLE INDIAN FORK
DISTRICT NEW MILTON COUNTY DODDRIDGE
QUADRANGLE NEW MILTON 7.5' 74015 15'
SURFACE OWNER CARL NICHOLSON ACREAGE 55.78
OIL & GAS ROYALTY OWNER CARL NICHOLSON LEASE ACREAGE 55.78
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 BIG TUNJUN ESTIMATED DEPTH 2300'
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

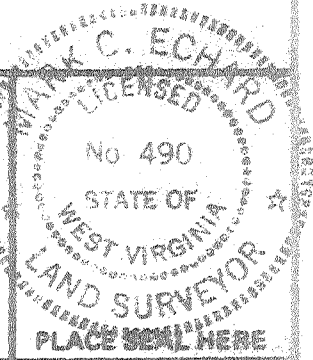
DODD. 2658-P



OIL & GAS OWNER - CARL NICHOLSON NEW MILTON, W. VA.

FILE NO _____
 DRAWING NO _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION 102 OF KNOS 2100' NW RE LOC. - ELEV = 1412'

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



(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-S (3-78)



DATE MARCH 13 1980
 OPERATOR'S WELL NO. ODE
 API WELL NO. 47-017-2658
 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 1048' WATER SHED LITTLE INDIAN FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' C 15'
 SURFACE OWNER CARL NICHOLSON ACREAGE 55.78
 OIL & GAS ROYALTY OWNER CARL NICHOLSON LEASE ACREAGE 55.78
 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 DIG. INTJUN ESTIMATED DEPTH 2300'
 WELL OPERATOR ROCKWELL PETROLEUM CO. DESIGNATED AGENT MR. ROBERT R. JONES
 ADDRESS P.O. BOX 84 ADDRESS P.O. BOX 84
SAND FORK, W. VA. 26480 SAND FORK, W. VA. 26480

6-0 ~~NEW MILTON~~ (146) MAY 15 1980

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

Fractured June 9, 1980

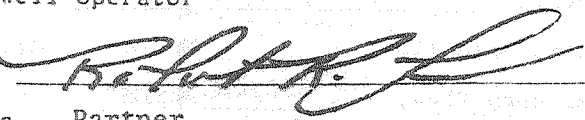
Big Injun - 20,000 lb. 20/40 sand
465 bbls water
3100 lb. breakdown
17 BPM at 2750 lb.

Perforations - 2200 - 2202.5, 6 holes

LL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Surface			0	90	
Sand			90	101	Water
Shale			101	128	
Red Rock			128	139	
Sand			139	142	Water
Shale			142	320	
Slate			320	390	
Red Rock			390	422	
Shale			422	710	
Red Rock			710	792	
Shale			792	1011	
Red Rock			1011	1089	
Shale			1089	1241	
Sand			1241	1260	
Shale			1260	1488	
Sand			1488	1506	
Shale			1506	1534	
Sand			1534	1568	
Shale			1568	1652	
Sand			1652	1664	
Shale			1664	1798	
Sand			1798	1810	
Shale			1810	1848	
Sand			1848	1868	
Shale			1868	2070	
Sandy Lime			2070	2088	
Lime			2088	2106	
Shale			2106	2120	
Lime			2120	2194	
Sandy Lime			2194	2206	Show of gas & oil
Lime			2206	2286	
Shale			2286	2387	
Total Depth			2387		

(Attach separate sheets to complete as necessary)

Rockwell Petroleum Company
Well Operator
By 
Its Partner

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, OIL AND GAS DIVISION

Date: June 9, 1980

FORM IV-35
(Obverse)

Operator's
Well No. C. Nicholson #1

[08-78]

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

API Well No. 47 - 017 - 2658
State County Permit

TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
Elevation: 1048' Watershed: Little Indian Fork
District: New Milton County: Doddridge Quadrangle: New Milton

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

PLANNED 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 March 31, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
Address Clarksburg, WV
622-3871

LOGICAL TARGET FORMATION: Big Injun Depth 2202.5 feet
Depth of completed well, 2387 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, 90 feet; salt, ___ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced May 30, 1980, and completed June 2, 1980

LOG AND TUBING PROGRAM

LOG 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		
Water	8 5/8					1213'	1213'	To surface	Kinds
Intermediate									Sizes
Production	4 1/2						2267		Depth set
Perforations:									Top Bottom

RECEIVED
JUL 14 1980

OIL & GAS DIVISION
DEPT. OF MINES

FLOW DATA
Producing formation Big Injun Pay zone depth 2202.5 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, 350,000 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, 510 psig (surface measurement) after 24 hours shut in

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

AUG 1 1980

[08-78]

COPY

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. C. Nicholson #1
API Well No. 47 - 017 - 2658
State County Permit

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

LOCATION: Elevation: 1048' Watershed: Little Indian Fork
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Rockwell Petroleum Company DESIGNATED AGENT Robert R. Jones
Address P O Box 86 Address P O Box 86
Sand Fork, WV 26430 Sand Fork, WV 26430

OIL & GAS
PROPERTY OWNER Carl Nicholson COAL OPERATOR N/A
Address Route 1, Box 176 Address _____
New Milton, WV 26411

ACREAGE 55.78 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Carl Nicholson Name N/A
Address Route 1, Box 176 Address _____
New Milton, WV 26411

ACREAGE 55.78 Name N/A
DEED SALE (IF MADE) TO: Address _____
Name N/A Address _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

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

MAR 31 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the ~~mine~~ mines
operation under a deed ___ / lease X / other contract ___ / dated October 23, 19 79, to the
undersigned well operator from P. C. Nicholson

[said deed, lease, or other contract has been recorded:]
Recorded on October 29, 19 79, in the office of the Clerk of the County Commission of Doddridge
County, West Virginia, in Lease Book 111 at page 733. 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
action 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
before the day of the mailing or delivery of this Permit Application to the Department of Mines at
Martinsburg, West Virginia.

PLEASE SUBMIT COPIES OF ALL
PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
100 WASHINGTON STREET EAST
MARTINSBURG, 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

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

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2300' feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 140 feet; salt, feet.

Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X /

DRILLING AND TUBING PROGRAM

DRILLING 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						350	To surface	
Intermediate									Sizes
Production	4 1/2						2300'		Depths set
Logging									Perforations:
Packers									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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE
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.

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.


Deputy Director - Oil & Gas Division

The following waiver 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