



OIL & GAS ROYALTY OWNERS
EVERETT J. NICHOLSON, et al
NEW MILTON, W.VA.
SURFACE - 33.2 AC.
EVERETT J. NICHOLSON
NEW MILTON, W.VA.

0.185
3.58 W
81

(15') 80' 33" 37' 30"

DESIGNATED AGENT:
FRANK JOHNSON
GLENVILLE, W.VA. 26351

Minimum Error of Closure ONE PART IN 300'

Source of Elevation USES SPOT ELEV. S.E. OF LOCATION 1500'

TOP OF KNOB - ELEVATION = 1446'

- Fracture
- New Location GAS-DRILL-SHALLOW DEVONIAN SHALE - EST. DEPTH - 5200'
- Drill Deeper
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Mark C. Echard
Squares: N S E W

Map No. _____

WELL OPERATOR/
Company RUSSELL V. JOHNSON, JR.
925 FIRST LIFE ASSURANCE BUILDING
Address OKLAHOMA CITY, OKLA. 73102.

Farm EVERETT J. NICHOLSON

Tract _____ Acres 33.2 Lease No. _____

Well (Farm) No. 005 Serial No. _____

Elevation (Spirit Level) 952'

Quadrangle NEW MILTON 7.5' VADIS 15'

County DODDRIDGE District NEW MILTON

Surveyor MARK C. ECHARD

Surveyor's Registration No. 490

File No. _____ Drawing No. _____

Date JULY 28, 1979 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. 47-017-2465

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown. AUG 13 1979

- Denotes one inch spaces on border line of original tracing.

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

Date 26 October, 1979

FORM IV-35
(Obverse)

Operator's
Well No. E. J. Nicholson BTA

WELL OPERATOR'S REPORT
OF

API Well No. 47 - 017 - 2

[08-78]

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

State Permit No. 2465

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow
LOCATION: Elevation: 952' Watershed: Little Indian Fork
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Russell V. Johnson, Jr. DESIGNATED AGENT Gai L. Daythe
Address 330 First Life Assurance Bldg. Address Drawer "1"
Oklahoma City, Okla. 73102 Glennville, WV 26351

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

PERMIT ISSUED ON August 8, 19 79 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett
Address Clarksburg, WV 26301
(304) 322-3871

GEOLOGICAL TARGET FORMATION: Devonian Shale (Elk, Benson) Depth 5180-5273 Elk feet
4885-4900 Benson
Depth of completed well, 5340' feet Rotary / Cable Tools
Water strata depth: Fresh, 65 feet; salt, _____ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced 10 August, 19 79, and completed 19 August, 19 79

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLING OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								<u>Winds</u>
Fresh water	<u>8 5/8</u>					<u>1085</u>	<u>1085</u>	<u>300 sks</u>
Coal								<u>Winds</u>
Intermediate								
Production	<u>4 1/2</u>						<u>5275</u>	<u>225 sks</u>
Tubing								
Liners								<u>Perforations:</u> <u>Top 4772 Bottom 52</u>

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4787
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.

[If applicable due to multiple completion--]

Second producing formation ~~Elk~~ ALEX Pay zone depth 5213 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 1,000 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1800 psig (surface measurement) after 24 hours shut in.

NOV 28 1979

08-78]

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

Fractured August 20, 1979

Benson - 20,000 lb. 80/100 sand	Elk - 20,000 lb. 80/100 sand
40,000 lb. 20/40 sand	40,000 lb. 20/40 sand
635 barrels water	640 barrels water
20 BPM at	25 BPM at

Perforations - 4787.5, 4787, 4786.5,	Perforations - 5213, 5212, 5211, 5186,
4779, 4778.5, 4778, 4777.5, 7 holes	5185, 5184, 4893, 4892
	8 holes

ELL LOG

FORMATION	Color	Hard or Soft	3 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Red rock, Lime, Sand, Shale			0	1950	
Limey sand			1950	2000	
Big Lime			-2000	2080	
Big Injun			2080	2054	2MMCF natural
Shale			2054	2216	
Weir			2016	2292	
Shale			2292	2368	
Sandy Shale			2368	2400	
Shaly Sand			2400	2448	
Shale & Sand			2448	3044	Hole caving
Shale			3044	3822	
Shale			3822	4180	Hole caving
Shale			4180	4772	
Riley			4772	4791	
Shale			4791	4886	
Benson			-4887	4900	
Shale			4900	5178	
Elk <u>ALEX</u>			5178	5265	
Shale			5265	5341	
Total Depth			5341		

(Attach separate sheets to complete as necessary)

Russell V. Johnson, Jr.
Well Operator

By [Signature]
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."

COPY

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

Date: August 6, 1979

Operator's
Well No. Nicholson #1

API Well No. 47 - 017 - 2465
State County Permit

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 952' Watershed: Little Indian Fork
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Russell V. Johnson, Jr.
Address 925 First Life Assurance Building
Oklahoma City, OK 73102

DESIGNATED AGENT Frank Johnson
Address Glenville, WV 26351

OIL & GAS
ROYALTY OWNER Everett J. Nicholson, et al
Address New Milton, WV

COAL OPERATOR ----
Address _____

ACREAGE 33.2
SURFACE OWNER Everett J. Nicholson
Address New Milton, WV
ACREAGE 33.2

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name -----
Address _____

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

RECEIVED
AUG 8 1979

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 / other contract / dated October 14, 19 77, to the undersigned well operator from Everett and Betty Nicholson [if said deed, lease, or other contract has been recorded:]

Recorded on October 17, 19 77, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 103 at page 49. A permit is requested as follows:

PROPOSED WORK: Drill / 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 PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
5 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

BLANKET BOND

Russell V. Johnson, Jr.
Well Operator

By Frank L. Johnson
Its _____
Agent

Y900

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Fox Drilling, Inc
Address Glenville, WV

GEOLOGICAL TARGET FORMATION, Elk

Estimated depth of completed well, 5200' feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 120 feet; salt, feet.
Approximate coal seam depths: None Is coal being mined in the area? Yes / No X /

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						5200'	160 sks
Tubing								Depths set
Liners								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 4-8-80.

Robert T. [Signature]
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.

te: _____, 19____

By _____
Its' _____