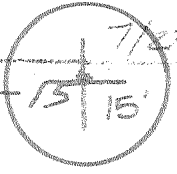


LET USE 39°
+ 7 1/2'



73W

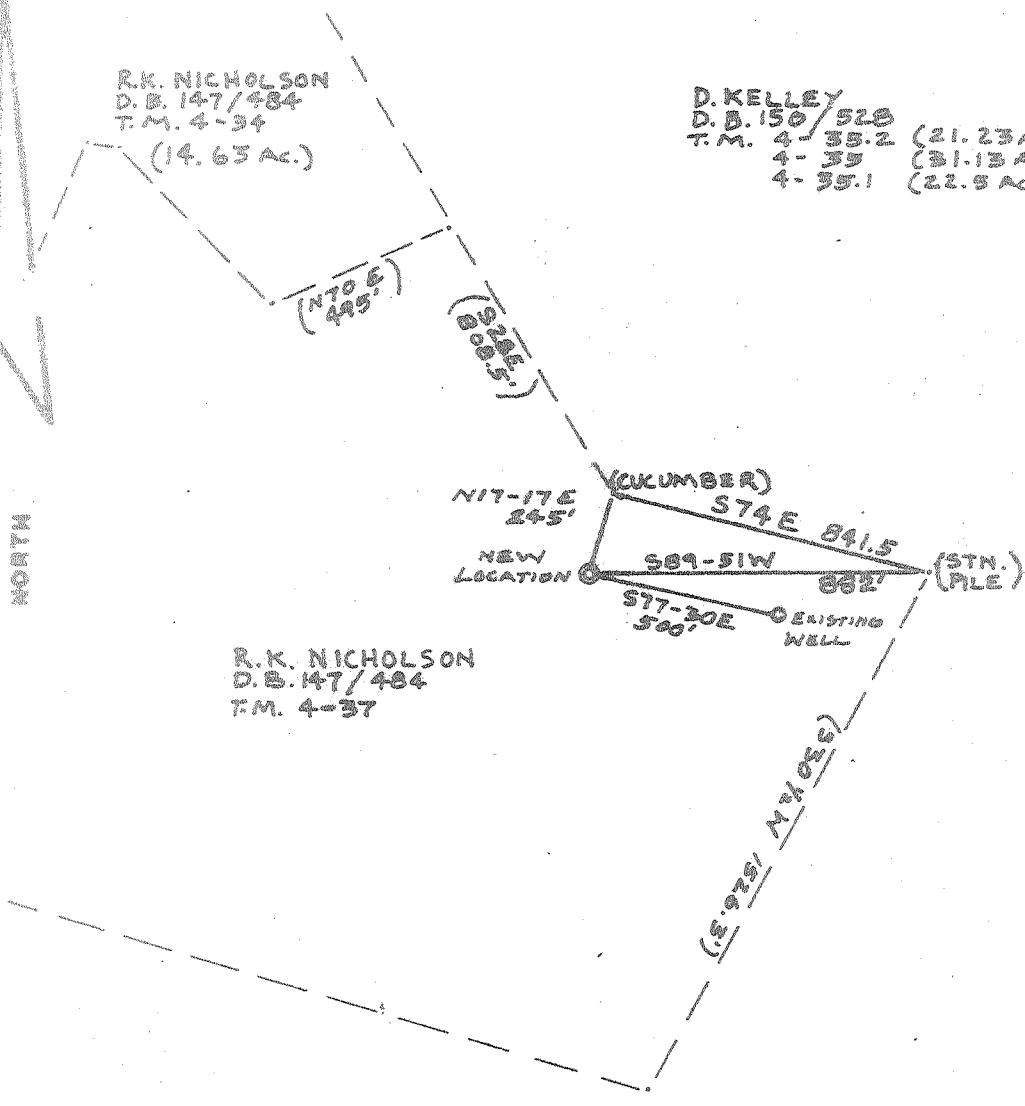
LEASING 80'-40'

0.10S
0.72W

39 14 54
80 40 50

R.K. NICHOLSON
D.B. 147/484
T.M. 4-34
(14.63 Ac.)

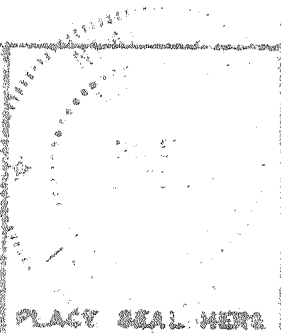
D. KELLEY
D.B. 150/520
T.M. 4-35.2 (21.23 Ac)
4-35 (31.13 Ac)
4-35.1 (22.9 Ac)



R.K. NICHOLSON
D.B. 147/484
T.M. 4-37

FILE NO 79-34
DRAWING NO. 1
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF INTER. RT. (B) ELEVATION AND SUGARCAMP RUN BR. (824')

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) Neal Hughes
R.P.E. L.L.S. 632



INDICATES LOCATION OF WELL IN UNITED STATES TOPOGRAPHIC MAPS
FORM 1015
(8-78)



DATE JULY 18, 19 79
OPERATOR'S WELL NO. _____
API WELL NO. 47-017-2460
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 1051' WATER BIRD SUGARCAMP RUN
DISTRICT NEW MILTON COUNTY DODDRIDGE
QUADRANGLE NEW MILTON VADIS 15' NW
SURFACE OWNER R.K. NICHOLSON ALLEYS 101.25
OIL & GAS ROYALTY OWNER L. Noble LEASE ACRES 101.25
LEASE NO. _____
PROPOSED WORK: GRILL CONVERT DRILL DEEPER RE-DRILL FRACTURE OF STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Alexander ESTIMATED DEPTH 5800
WELL OPERATOR J.P. Entorpriss Inc. REGISTERED AGENT Harry Barrett
ADDRESS Box 48 ADDRESS Box 48
G = Buckhannon W.Va. 26101 Buckhannon W.Va. 26301
G-6, NEW MILTON NORTH 144

AUG 10 1979

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

Date September 26, 19 79

FORM IV-35
(Obverse)

Operator's Well No. K-211-#1

WELL OPERATOR'S REPORT

API Well No. 47-017-246
State County Ferris

[08-78]

OF
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: 1051' Watershed: Sugar Camp Run
District: New Milton County: Doddridge Quadrangle: New Milton

WELL OPERATOR J & J Enterprises, Inc.
Address P. O. Box 48
Buckhannon, W. Va. 26201

DESIGNATED AGENT H. L. Barnett
Address P. O. Box 48
Buckhannon, W. Va. 26201

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____
SEP 28 1979

PERMIT ISSUED ON July 27, 19 79

OIL & GAS INSPECTOR FOR THIS WORK
DEPT. OF MINES
Name Paul Garrett
Address 321 Beech Street
Clarksburg, W. Va. 26301

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19 _____)

GEOLOGICAL TARGET FORMATION: Alexander Depth 5322 feet
Depth of completed well, 5559 feet Rotary / Cable Tools
Water strata depth: Fresh, 85 feet; salt, _____ feet.
Coal seam depths: 146-156, 700-705 Is coal being mined in the area? NO
Work was commenced September 8, 19 79, and completed September 13, 19 79

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	Sizes	Bottom
Conductor	1 13/4	H-40	42	X		30	0	0	None	None
Fresh water	8 5/8	ERW	23	X		1003.9	1003.9	275 sks		
Coal	8 5/8	ERW	23	X		1003.9	1003.9	275 sks		
Intermediate										
Production	4 1/2	J-55	19.5	X		5490	5490	550 sks	Depths set	
Tubing										
Liners										
									Perforations:	
									Top	Bottom
									4962	4966
									5061	5064
									5215	5218
									5367	5415

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5322 - 5450
Gas: Initial open flow, 21 Mcf/d Oil: Initial open flow, _____ Bbl/d
combined Final open flow, 421 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 96 hours
Static rock pressure, 1700 psig (surface measurement) after 44 hours shut in

[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 5065-80 feet
Gas: Initial open flow, 21 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

OCT 12 1979

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

ALEXANDER - Perforations: 5367-5415, 20 holes. Fracturing: 500 gal. Acid, 686 Bbls. fluid, 20,000 lbs. 80/100 wire Mesh, 40,000 lbs. 20/40 wire Mesh.

Leopold/Lower Benson - Perforations: 5061-5064, 9 holes; 5215-5218, 4 holes Fracturing: 500 gal. Acid, 709 Bbls. Fluid, 15,000 lbs. 80/100 wire mesh, 30,000 lbs. 20/40 wire mesh.

UPPER BENSON - Perforations: 4968-4972, 16 holes. Fracturing: 500 gals. Acid 690 Bbls. fluid, 15,000 lbs. 80/100 wire Mesh, 35,000 lbs. 20/40 wire Mesh.

WELL LOG

FORMATION	Color	Hard or Soft	3 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Ground			0	20	
Shale			20	50	
Red Rock			50	60	
Sand			60	63	
Sandy Shale			63	70	
Sand			70	115	Hole Damp @ 85'
Sandy Shale			115	146	
Coal			146	156	Coal
Sandy Shale			156	426	
Shale			426	510	
Sand			510	570	Hole Damp @ 510'
Sandy Shale			570	660	
Shale			660	700	
Coal			700	705	Coal
Sandy Shale			705	730	
Sand			730	795	
Red Rock			795	825	
Sandy Shale			825	850	
Red Rock & Shale			850	910	
Sand			910	940	
Red Rock & Shale			940	950	
Sandy Shale			950	1025	
Shale			1025	1045	
Red Rock			1045	1050	
Sandy Shale			1050	1085	
Red Rock & Shale			1085	1475	
Shale			1475	1495	
Sand			1495	1612	
Sandy Shale			1612	1620	
Sand			1620	1630	
Sandy Shale			1630	1660	
Shale			1660	1700	
Sand			1700	1790	

(Attach separate sheets to complete as necessary)

J & J ENTERPRISES, INC.

Well Operator _____
By Peter Battles
PETER BATTLES
Its Geologist _____

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."

FORMATION	Color	Hard or Soft	3 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sandy Shale			1790	1823	
Shale			1823	1836	
Sandy Shale			1836	1985	
Red Rock			1985	2005	
Little Lime			2005	2018	
Sandy Lime			2018	2025	
Shale			2025	2040	
Big Lime			2040	2200	
Shale			2200	2755	
Sand & Shale			2755	2765	
Sandy Shale			2765	3080	
Sand & Shale			3080	5065	Gas @ 4953' - 2/10 1" w/water
Benson			5065	5080	
Siltstone & Sand			5080	5110	
Sandy Shale			5110	5322	Gas @ 5173' - 4/10 - 1" FM with
Alexander			5322	5450	water
Sandy Shale			5450	5559	
			TD	5559	

[08-79]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-2 (K211) (Noble)
API Well No. 47-017-2460
State County Perm

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 1051 ft. Watershed: Sugar Camp Run
District: New Milton County: Doddridge Quadrangle: New Milton

WELL OPERATOR J & J Enterprises, Inc.
Address PO Box 48
Buckhannon, WV 26201

DESIGNATED AGENT Harry Barnett
Address PO Box 48
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Lawrence Noble
Address 3781 Nine Mile
Cincinnati, Ohio 45230

COAL OPERATOR None
Address _____

ACREAGE 101.25
SURFACE OWNER R. K. Nicholson
Address New Milton
West Virginia 26411
ACREAGE 101.25

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____
Name NO COAL IN THIS AREA
Address _____

FIELD SALE (IF MADE) TO:
Name None
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

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

RECEIVED
JUL 27 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 X / other contract ___ / dated Sept. 28, 1978, to the undersigned well operator from Lawrence Noble

[If said deed, lease, or other contract has been recorded:]
Recorded on Nov. 5, 1978, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 105 at page 346. 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

J & J Enterprises, Inc.
Well Operator
By [Signature]
Its Attorney-in-Fact

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling Co.

Address PO Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5800 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 120 feet; salt, 1400 feet.

Approximate coal seam depths: NO Coal 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	Left in well		Kinds	NA
Conductor	11 3/4	H-40	42 #	X		40 ft.	40 ft.			NA
Fresh water	8 5/8	ERW	23 #	X		1100 ft.	1100 ft.	100 sacks		
Coal	8 5/8	ERW	23 #	(NO COAL)		1100 ft.	1100 ft.		Sizes	NA
Intermediate										
Production	4 1/2	J-55	9.5#	X		5800 ft.	5800 ft.	300 sacks	Depths set	NA
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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE. 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 3-30-80.

[Signature]
NOT APPLICABLE
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.

_____, 19____

By _____
Its _____