

LATITUDE 39°-07'-30"
(15') 39° 10'

0.375
2.97W
7 1/2

REBEL
D.B. 179/383
T.M. 10-02
159 AC.

T.M. 9-21
120 AC.

WILMA RASTLE
76 ACRES

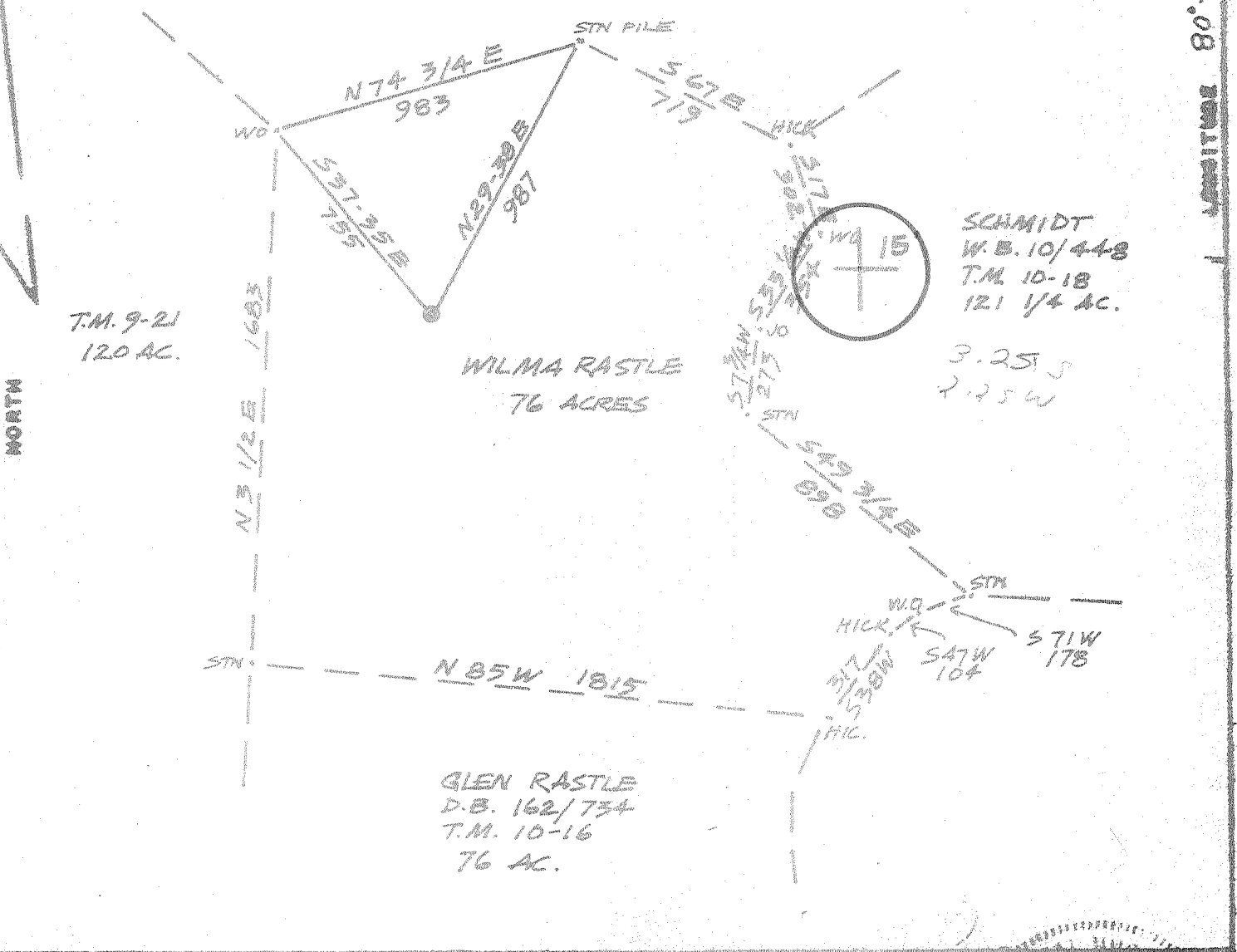
SCHMIDT
W.B. 10/448
T.M. 10-18
121 1/4 AC.

3.25 S
2.75 W

GLEN RASTLE
D.B. 162/734
T.M. 10-16
76 AC.

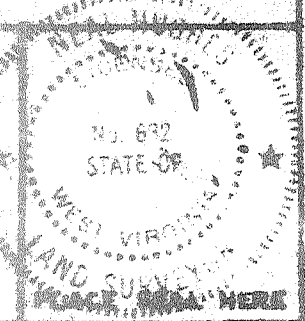
NORTH

LATITUDE 39°-40'



FILE NO. K-512
 DRAWING NO. 1
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION THE DE RIDGE (1297')

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) [Signature]
 R.P.S. _____ L.L.S. 632



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



DATE Aug 24 1979
 OPERATOR'S WELL NO K-512-29
 API WELL NO. 47-017-2480
 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 1114 WATER SHED FINK CREEK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE KADIS (7 1/2) (15) WC
 SURFACE OWNER REED ACRES 76
 OIL & GAS ROYALTY OWNER Wilma Reed - Virgil Reed LEASE ACRES 76
 LEASE NO. K-512-29
 PROPOSED WORK: DRILL ✓ CONVERT _____ DRILL DEEPER _____ RE-DRILL _____ FRACTURE OR STIMULATE ✓ PLUS OFF OLD FORMATION _____ PERMEATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON CLEAN OUT AND REPLENISH _____
 TARGET FORMATION Alexander ESTIMATED DEPTH 5350 SEP 7 1979
 WELL OPERATOR J.I. ENTERPRISE DESIGNATED AGENT HARRY BARNETT
 ADDRESS Box 48 ADDRESS Box 48
Buckhannon WV 26201 Buckhannon WV 26201

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

FORM IV-35
(Obverse)

Operator's Well No. K-512-#1
API Well No. 47 - 017 - 2480
State County Ferris

[08-78]

WELL OPERATOR'S REPORT
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: 1114 Watershed: Finks Creek
District: Cove County: Doddridge Quadrangle: Vadis 7 1/2

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H. L. Barnett
Address P. O. Box 48 Address P. O. Box 48
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill **REWORKING**
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____ **NOV - 7 1979**

PERMIT ISSUED ON August 27, 19 79 OIL & GAS INSPECTOR FOR REWORKING
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett
Address 321 Beech Street
Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION: Alexander Depth 5283 feet
Depth of completed well, 5608 feet Rotary / Cable Tools
Water strata depth: Fresh, 153 feet; salt, 0 feet.
Coal seam depths: 153-158, 428-434, 1039-1044 Is coal being mined in the area?
1136-1141, 1150-1155
Work was commenced October 19, 19 79, and completed October 24, 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		Kind	Bottom
Conductor	11 3/4	H-40	42	X		30	0	0 sks.	Winds	None
Fresh water	8 5/8	ERW	23	X		1404.80	1404.80	340 sks.		
Coal	8 5/8	ERW	23	X		1404.80	1404.80	340 sks.	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		5459.60	5459.60	175 sks.	Beaths set	
Tubing										
Liners									Perforations:	
									Top	Bottom
									5012	5016
									5264	5272
									5304	5308

OPEN FLOW DATA

Producing formation: Alexander Pay zone depth: 5274-5318
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ bbl/d
Final open flow, 822 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: Benson Pay zone depth: 5012-5016 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 **NOV 26 1979**
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in.

[08-78]

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

Alexander: Perforations-5304-5308, 5 holes; 5264-5272, 9 holes.
Fracturing-500 gal. Acid, 45,000 lbs. Sand 20/40 wire mesh, 604 Bbls. Fluid.

Benson: Perforations-5012-5016, 14 holes.
Fracturing-500 gal. Acid, 10,000 lbs. Sand 80/100 wire mesh, 18,000 lbs.
Sand 20/40 wire mesh, 488 Bbls. Fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	5	
Shale			5	20	
Sand & Shale			20	35	
Sand			35	63	
Shale & Red Rock			63	153	
Coal			153	158	Coal
Sand			158	190	
Sand & Shale			190	228	
Sand			228	245	
Red Rock & Shale			245	428	
Coal			428	434	Coal
Shale & Red Rock			434	522	
Sand			522	796	
Sand, Shale & Red Rock			796	830	
Sand			830	887	
Sand, Shale, & Red Rock			887	970	
Coal			970	1039	
Sand			1039	1044	Coal
Sand & Shale			1044	1077	
Coal			1077	1136	
Sand & Shale			1136	1141	Coal
Coal			1141	1150	
Sand & Shale			1150	1155	Coal
Lime & Shale			1155	2045	
Lime			2045	2082	
Lime & Shale			2082	2095	
Lime			2095	2114	
Sand			2114	2120	
Sand & Shale			2120	2128	
Big Lime			2128	2130	
Big Injun			2130	2200	
Sand & Shale			2200	2245	
Sand			2245	2250	
Sand & Shale			2250	2267	
peechley			2267	3400	Damp @2262 Oil Gas @ 2460' 2/10-1/2" with water
Sand & Shale			3400	3530	
			3530	4080	

Attach separate sheets to complete as necessary.

J. & J. ENTERPRISES, INC.
Well Operator

By H. S. Barnett
H. L. Barnett
Designated Agent

NOTE: Regulation 1.0215, 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	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Balltown			4080	4280	
Sand & Shale			4280	5010	Gas @ 4707' 6/10-1/2" with water
Benson			5010	5040	
Sand & Shale			5040	5270	Gas @ 5093' 12/10-1 1/4" with water
Alexander			5270	5400	Gas @ 5286' 10/10-1 1/2" with water
Sand & Shale			5400	5608	Gas @ 5479' 6/10-1 1/4" with water Checked Gas @ 5543' 20/10-1/2" with water
			TD	5608	

Page 3

- 017-2480 -

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. K-512 # 1
API Well No. 47 - 017 - 2480
State County Permit

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

LOCATION: Elevation: 1114 Watershed: Fink Creek
District: Cove County: Doddridge Quadrangle: Vadis 7 1/2

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

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

OIL & GAS
ROYALTY OWNER Mr & Mrs. Virgil Reed
Address 704 S.E. 34th. Terrace
Cape Coral, Florida 33904
Acreage 76

COAL OPERATOR None
Address _____

SURFACE OWNER Wilma Rastle Reed
Address 704 S.E. 34th. Terrace
Cape Coral, Fla. 33904
Acreage 76

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____

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

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address _____
Clarksburg, W.Va.

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

RECEIVED
AUG 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 November 10, 1979, to the undersigned well operator from Mr. & Mrs. Virgil Reed

[If said deed, lease, or other contract has been recorded:]
Recorded on November 10, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas lease 105 at page 743. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper ___ / Redrill ___ / Fracture or stimulate X /
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 well operator, coal owner(s), and coal lessee are hereby notified that any physical changes required to be made by Code 20-2-3 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 report and declaration shall have been mailed by registered mail 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 CHANGES DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1401 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 343-3992

BLANKET BOND

J & J Enterprises, Inc.
Well Operator
By Peter Rastler
Its Geologist

[08-78]

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 P.O. Box 48
Buckhannon, W.Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5550 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 80 feet; salt, 1100 feet.

Approximate coal seam depths: None Is coal being mined in the area: Yes / No /

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	11 3/4	H-40	42	X		30'	30'	21	Kinds
Fresh water	8 5/8	ERW	23	X		1200'	1200'	120	
Coal	8 5/8	ERW	23	X					Sizes
Intermediate									
Production	4 1/2	J-55	9.5	X		5480'	5480'	400	Depths set
Tubing									
Liners									Perforations: Top <input type="checkbox"/> Bottom <input type="checkbox"/>

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 drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a 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 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 4-28-80

Robert T. [Signature]
Deputy Director - Oil & Gas Division

The undersigned coal operator, [Name] / owner [Name] / lessee [Name] / 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 sited in 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.

W A I T E R

The undersigned coal operator, [Name] / owner [Name] / lessee [Name] / 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 sited in 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 _____