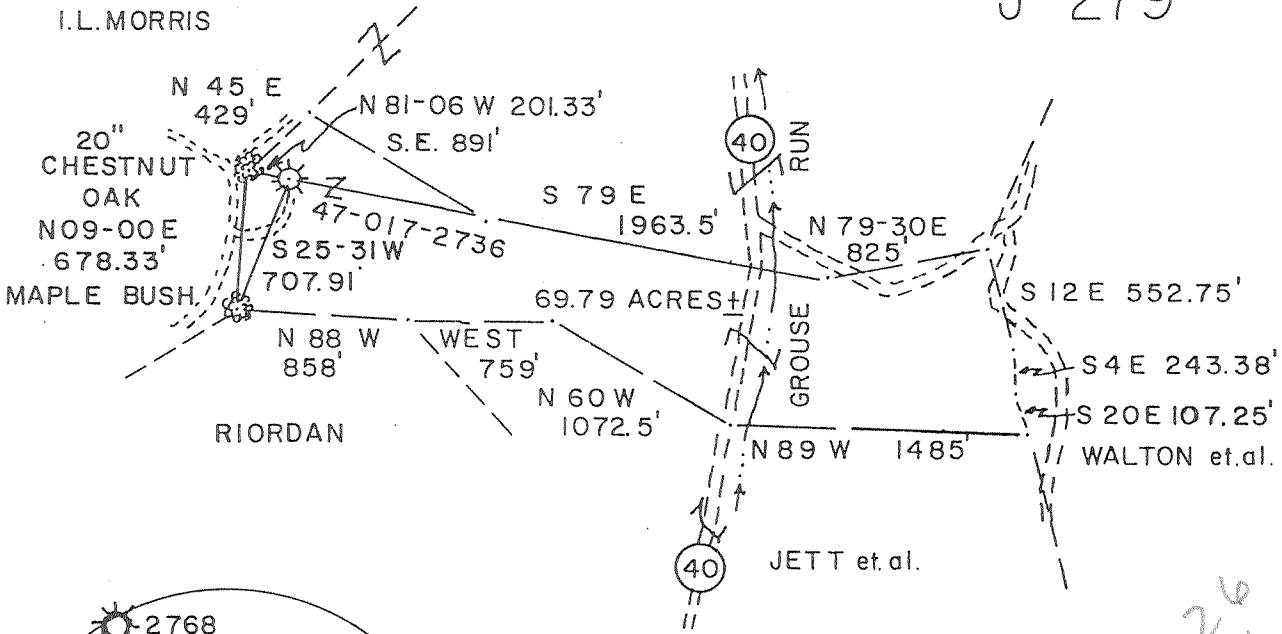


47-017-2736

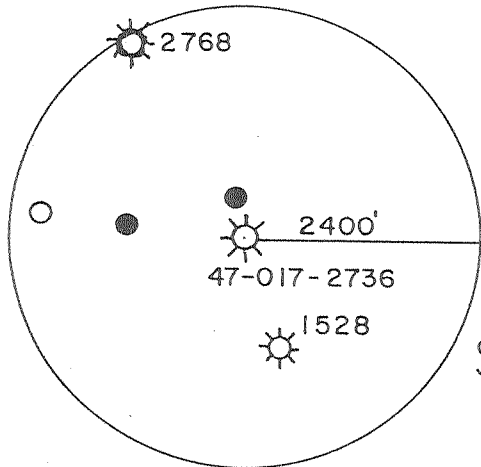
J-279



LONGITUDE 80-42-30

026' 11"

NORTH



70 ACRES ±

SCHWARTZMAN LEASE

2.26  
1.51

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
 ELEV. 1298'

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 ENERGY.  
 (SIGNED) M. Allen Jordan  
 R.P.E. \_\_\_\_\_ L.L.S. 959

PLACE SEAL HERE

**STATE OF WEST VIRGINIA**  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL and GAS



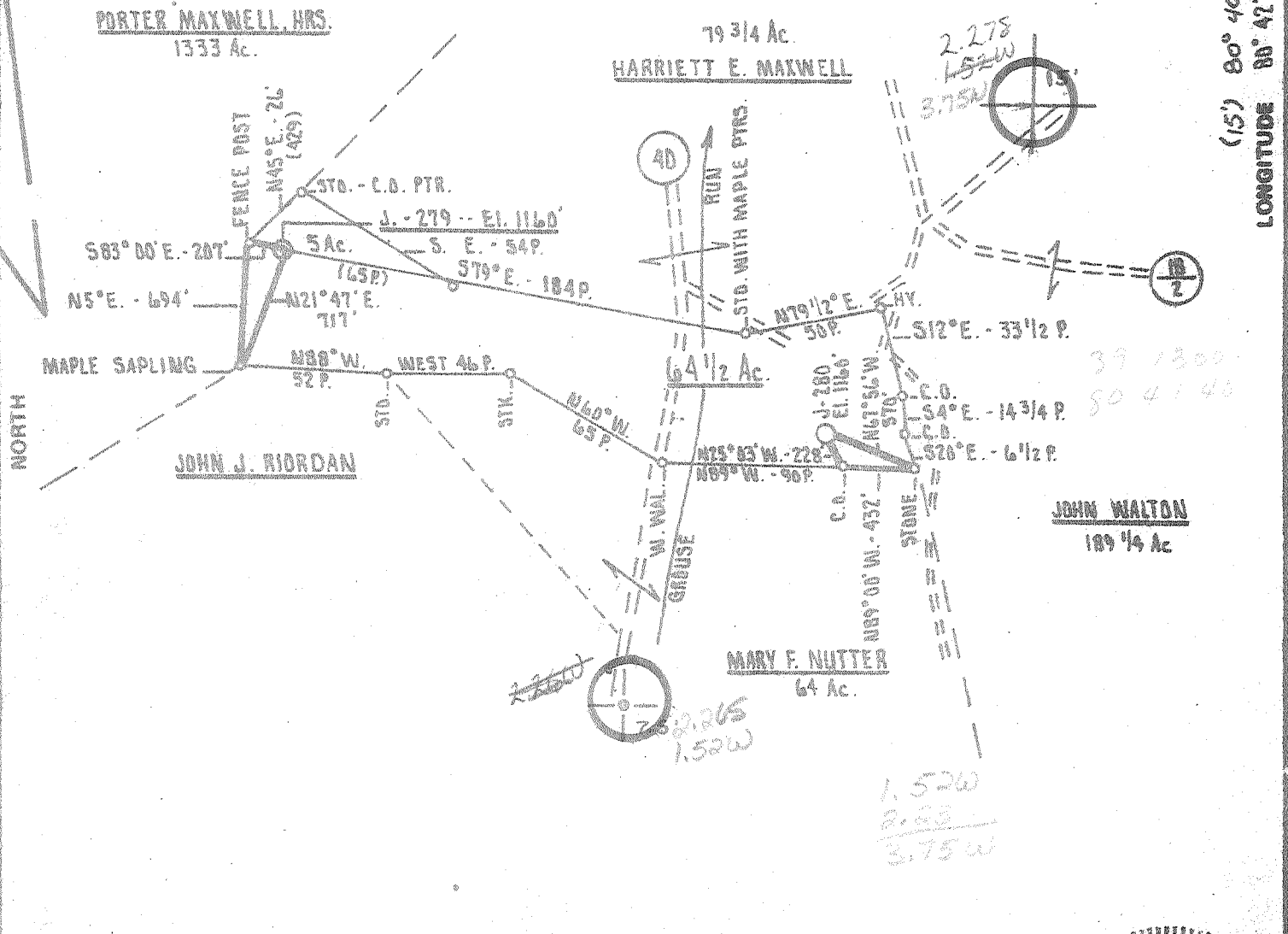
DATE MARCH 11, 19 99  
 OPERATOR'S WELL NO. J-279  
 API WELL NO. 47-017-2736F  
 STATE 47 COUNTY 017 PERMIT 2736F

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1160 WATERSHED GROUSE RUN  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5'  
 SURFACE OWNER I.L. MORRIS ACREAGE 69.79 OF 2331.51  
 OIL & GAS ROYALTY OWNER AARON SCHWARTZMAN LEASE ACREAGE 70  
 LEASE NO. WV 09073

COUNTY NAME 0000  
 PERMIT 2736F

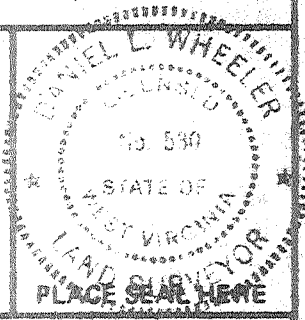
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN PALETTI  
 ADDRESS 501 56th ST. CHARLESTON, WV 25304 ADDRESS BOX 820 GLENVILLE, WV 26351

APR. 1 2000



FILE NO. 19/78  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 700  
 PROVEN SOURCE OF ELEVATION Jct. Rt. 48 and 40/3  
ELEVATION 872'

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) Daniel L. Wheeler  
 R.P.E. \_\_\_\_\_ L.L.S. 530



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



DATE APRIL 28, 19 80  
 OPERATOR'S WELL NO. J-279  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2736  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1160' WATER SHED GROUSE RUN  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5' VADIS 15' NW  
 SURFACE OWNER DR. AARON SCHWARTZMAN ACREAGE 70  
 OIL & GAS ROYALTY OWNER DR. AARON SCHWARTZMAN LEASE ACREAGE 70  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X 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 5400'  
 WELL OPERATOR J. AND J. ENTERPRISES INC. DESIGNATED AGENT HENRY BARNETT  
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48  
SUCKHANNON, WEST VIRGINIA 26201 SUCKHANNON, WEST VIRGINIA 26201

Revision Asp

WR-35

12-Apr-00  
API # 47-017-~~02536-F~~

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

017-02736-2

Well Operator's Report of Well Work

Farm name: MORRIS, I.L. Operator Well No.: Schwaartzman 1 (J0279)

LOCATION: Elevation: 1160.00 Quadrangle: NEW MILTON  
District: NEW MILTON County: DODDRIDGE  
Latitude: 8000 Feet South of 39 Deg. 15 Min. 30 Sec.  
Longitude: 11920 Feet West of 80 Deg. 42 Min. 30 Sec.

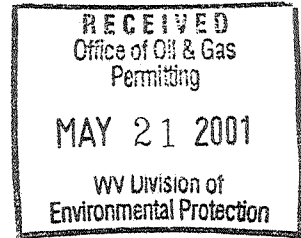
Company: EASTERN AMERICAN ENERGY CORP.  
P O BOX 820  
GLENVILLE WV 26351

Agent: JOHN PALETTI

Inspector: MIKE UNDERWOOD  
Permit Issued: 04/12/00  
Well work commenced: 04/14/00  
Well work completed: 04/28/00  
Verbal plugging  
permission granted on:

Rotary X Cable \_\_\_ Rig Total Depth (feet) 5494' (07/80)  
Fresh water depths (ft) 46', 530' Salt water depths (ft) 1465' - 1505'  
Is coal being mined in area? (Y/N) N Coal Depths (ft) 365' - 368'

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1527'	1527'	360 sxs
4-1/2"		5409'	500 sxs



OPEN FLOW DATA

Producing Formation Gordon Pay zone depth (ft) 2694' to 2672'  
Gas: Initial open flow 207 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow \_\_\_ MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests n/a Hours  
Static rock pressure 40 psi (surface pressure) after 48 Hours  
2<sup>nd</sup> Producing Formation Big Injun Pay zone depth (ft) 2084' to 2072'  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow \_\_\_ Bbl/d  
Final open flow N/A MCF/d Final open flow \_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_ Hours  
Static rock pressure \_\_\_ psi (surface pressure) after \_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: JOHN PALETTI, AGENT  
EASTERN AMERICAN ENERGY CORPORATION  
By: John Paletti / ksa  
Date: May 31, 2000

MAY 25 2001

DODD. 2736 F

STAGE ONE: Gordon

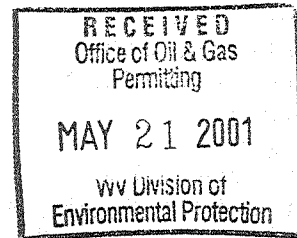
8 holes (2694' - 2672')

Fracture: 500 gal 15% HCl acid, 25# cross-linked gel, and 26,000# 20/40 sand. Formation broke at 1493 psi

STAGE TWO: Big Injun

12 holes (2084' - 2072')

Fracture: 500 gal 28% HCl acid, 25# cross-linked gel, and 25,000# 20/40 sand. No breakdown was recorded.



**RECEIVED**

Operator's Well No. J-279  
API Well No. 017 - 2736  
State County Permit

JUL 14 1980

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

OIL & GAS DIVISION  
DEPT. OF MINES

WELL OPERATOR'S REPORT OF  
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: 1160 Watershed: Grouse Run  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'  
WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett  
Address Box 48 Address Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

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

PERMIT ISSUED ON 4-30, 1980 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 321 Beech St.  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5273-5335 feet  
Depth of completed well, 5494 feet Rotary  / Cable Tools   
Water strata depth: Fresh 46,530 feet; salt, 1465-1505 feet.  
Coal seam depths: 365-68 Is coal being mined in the area? No  
Work was commenced 5-30, 1980, and completed 6-4, 1980

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	1 1/2	4H-40	42	x		30	30	0 sks	Kinds <u>None</u>
Fresh water	8 5/8	ERW	23	x		1527	1527	360 sks	
Coal	8 5/8	ERW	23	x		1527	1527	360 sks	Sizes
Intermediate									
Production									Setting set
Tubing	4 1/2	J-55	10.5	x		5409	5409	500 sks	
Liners									Perforations:
									Top <u>3347</u> Bottom <u>4086</u>
									<u>4531</u> <u>4533</u>
									<u>4981</u> <u>4984</u>
									<u>5273</u> <u>5331</u>

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5273-5335 feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Combined Final open flow, 762 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, 4 hours  
Static rock pressure, 1700 psig (surface measurement) after 96 hours shut in  
[If applicable due to multiple completion--]  
Second producing formation Benson & Warren Pay zone depth 3340-4533 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]

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

Alexander: Perforations 5273-5331 (13 holes)  
Fracturing: 200 lbs. Citric Acid: 250 sks. 80/100 sand:  
300 sks. 20/40 sand: 500 Bbls. fluid.

Benson: Perforations: 4984-4981 (12 holes)  
Fracturing: 500 gal. Acid: 200 sks. 80/100 sand: 300 sks.  
20/40 sand: 400 Bbls. fluid.

Warren: Perforations: 3347-4086 (17 holes) 4531-4533 (2 holes)  
Fracturing: 1500 gal Acid: 250 sks. 80/100 sand: 200 sks.  
20/40 sand: 500 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
Fill & Red Rock			0	15	
Red Rock			15	35	
Sand & Shale			35	80	1/2" stream water @ 46'
Shale & Sand			80	160	
Red Rock			160	170	
Sand, Shale & Red Rock			170	194	
Red Rock			194	202	
Sand & Shale			202	275	
Sand, Shale & Red Rock			275	295	
Sand & Red Rock			295	325	
Sand & Shale			325	365	
Coal			365	368	
Sand & Shale			368	425	
Red Rock, Shale & Sand			425	460	
Sand & Shale			460	600	1/2" stream water @ 530'
Sand & Shale			600	785	
Red Rock, Sand & Shale			785	810	
Red Rock, Sand & Shale			810	825	
Sand & Shale	325		825	1465	1" stream @ 1500'
Sand & Shale			1505	1970	
Big Lime			1970	2030	
Big Injun			2030	2120	
Sand & Shale			2120	3305	Gas ck. @ 2460 10/10 thru 1" w/water
Sand			3305	3440	
Warren			3340	4533	
Sand & Shale			4533	4980	Gas ck. @ 4907 12/10 thru 1" w/water:
Benson			4980	4985	
Sand & Shale			4985	5000	Gas ck @ 4999 thru 1" w/water
Sand			5000	5042	
Sand & Shale			5042	5273	Gas @ 5494 20/10 thru 1" w/water
Alexander			5273	5335	
Shale			5335	5494	T.D. 5494

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By Peter Battles  
Peter Battles  
Its Geologist

NOTE: Regulation 2.02(d) 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]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-279

API Well No. 47 - 017 - 2736  
State County Permi

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /)  
LOCATION: Elevation: 1160 Watershed: Grouse Run  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5

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

OIL & GAS ROYALTY OWNER Dr. Aaron Schwartzman  
Address 2007 Dr. Martin Luther King Ave.  
Washington, D. C. 20070  
Acreage 70

COAL OPERATOR NONE  
Address \_\_\_\_\_

SURFACE OWNER Dr. Aaron Schwartzman  
Address 2007 Dr. Martin Luther King Ave.  
Washington, D. C. 20070  
Acreage 70

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Dr. Aaron Schwartzman  
Address 2007 Dr. Martin Luther King  
Washington, D. C. 20070  
Name \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
Name NONE  
Address \_\_\_\_\_  
**APR 30 1980**

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address 321 Beech Street  
Clarksburg, W. Va. 26301

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 X / dated Nov. 15, 1978, to the undersigned well operator from Dr. Aaron Schwartzman

[If said deed, lease, or other contract has been recorded:]  
Recorded on Nov. 25, 1978, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 105 at page 764. 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 coal operator, coal owner(s), and coal lessee are hereby notified that any obligation 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  
1619 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 346-3197

BLANKET BOND

J&J ENTERPRISES, INC.  
Well Operator

By Peter Battles  
PETER BATTLES  
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 Company  
Address P. O. Box 48  
Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander  
Estimated depth of completed well, 5380 feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 80 feet; salt, 1200 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	Left in well		
Conductor	11 3/4	H-40	42	X		30	30	0 sks	Kinds
Fresh water	8 5/8	ERW	23	X		1500	1500	350 sks	
Coal	8 5/8	ERW	23	X		1500	1500	350 sks	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5320	5320	300	Depths set
Tubing									
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 § 22-4-1a from the owner of any water well or drilling 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 a 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 1-12-81  
*Robert F. [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      /      / 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