

Card No. 14

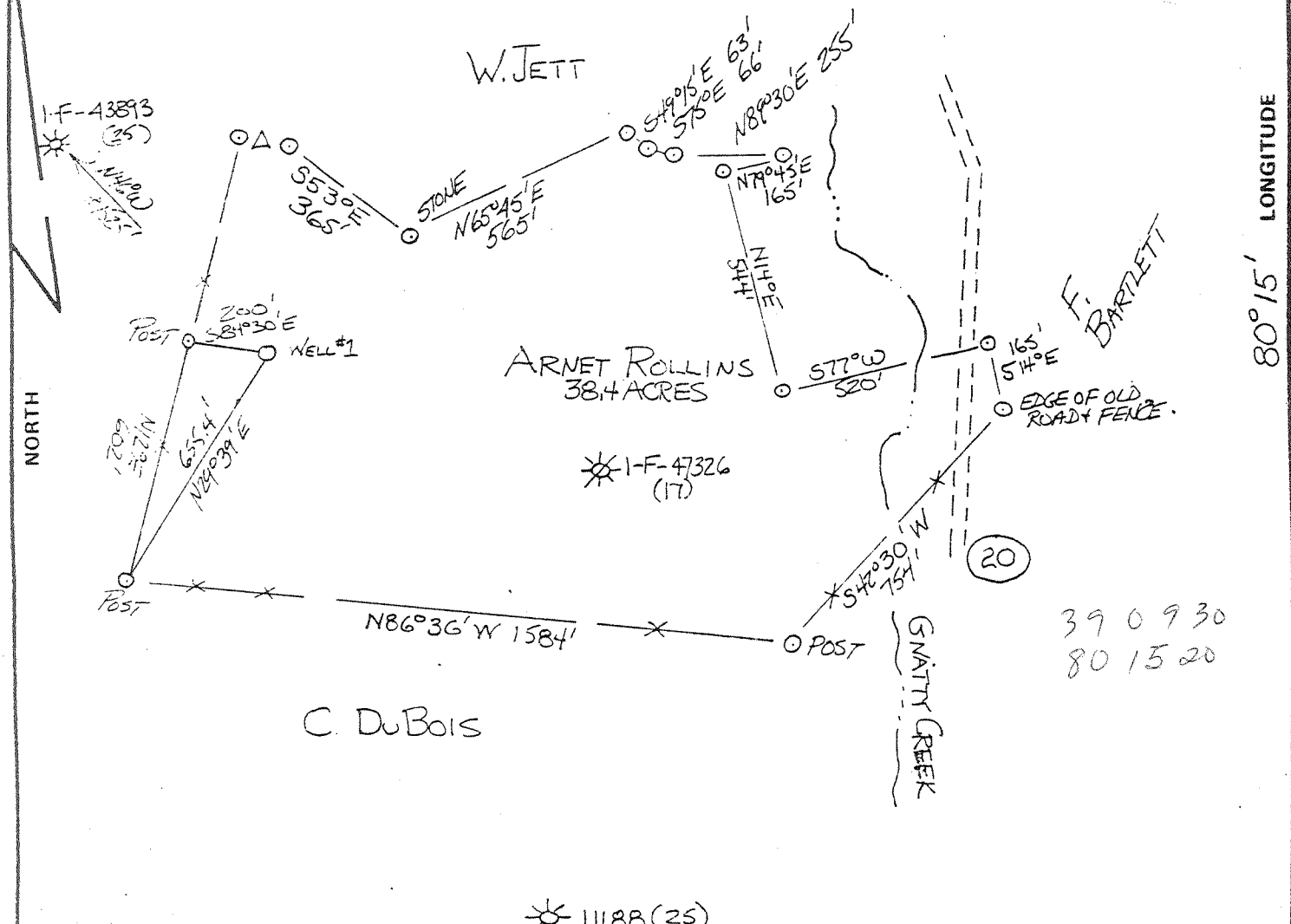
LATITUDE 39°10'

W. JETT
DURAN #1 (25)

0.575
0.31W



⊕ Topo



LONGITUDE 80°15'

39 09 30
80 15 20

☀ 11188 (25)

FILE NO. 11-20-1980
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION ± 1/2 MILE NORTH (1023)

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) Walter P. Lepout
R.P.E. 7410 L.L.S. _____

PLACE SEAL HERE

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



DATE _____, 19____
OPERATOR'S WELL NO. 1
API WELL NO. _____
47 - 033 - 2521
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 1199 WATER SHED GNATTY CR.
DISTRICT ELK COUNTY HARRISON
QUADRANGLE MOUNT CLARE 7/2 Weston 15' EC
SURFACE OWNER ARNET ROLLINS ACREAGE 38.4
OIL & GAS ROYALTY OWNER ARNET ROLLINS LEASE ACREAGE 38.4
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) _____

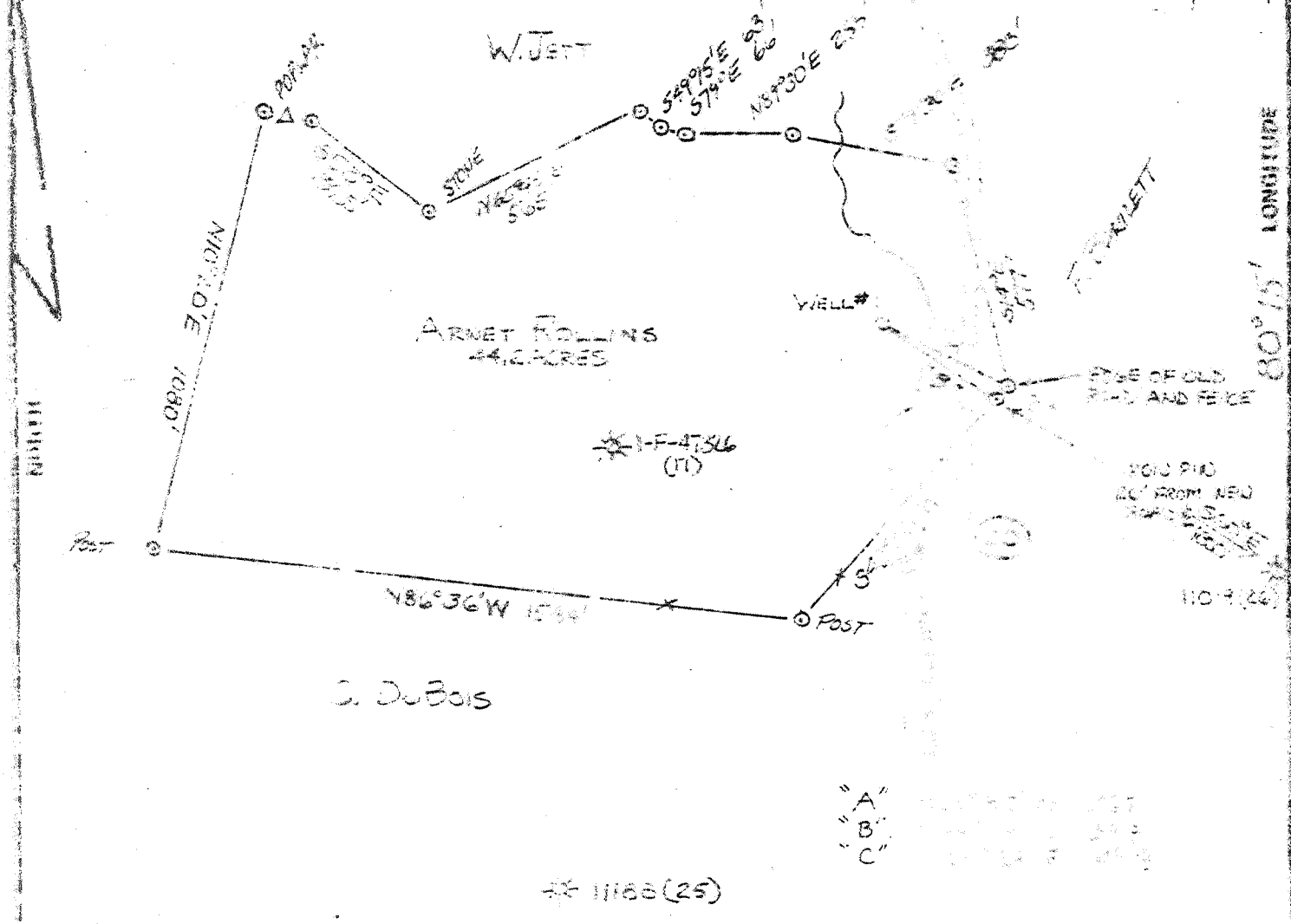
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BESSON ESTIMATED DEPTH 4800"
WELL OPERATOR HYDROCARBON ENERGIES INC DESIGNATED AGENT same as
ADDRESS RT#4 Box 444 BUCKHANNON W.Va. ADDRESS operator AL Sorcan

JAN 2 1980

* W. JETT
DORAN #1 (25)

LATITUDE 39°10'

Topo +



47-1166(25)

"A"
"B"
"C"

FILE NO. _____
DRAWING NO. _____
SCALE _____
TOLERANCE DEGREE OF ACCURACY _____
PROVEN SOURCE OF ELEVATION _____
ELEVATION _____
13 MILE _____

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) Walter P. Harbit
R.P.E. _____ L.L.S. _____

PLATE SEAL HERE

THIS PLAT INDICATES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM # 8
(8-78)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE _____
OPERATOR'S NAME _____
API WELL NO. _____
47 - 033 - 2510
STATE COUNTY PERMIT

**DRILLING CANCELLED
NOW 2521**

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS" PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION _____ WATER SHED _____ GNATY _____
DISTRICT _____ COUNTY _____ HARRISON
QUADRANGLE _____
SURFACE OWNER _____ ARNET ROLLINS _____ ACREAGE _____ 40.4
OIL & GAS ROYALTY OWNER _____ ARNET ROLLINS _____ LEASE ACREAGE _____
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 _____ ESTIMATED DEPTH _____
WELL OPERATOR HYDROCARBON ENGINEER DESIGNATED AGENT _____
ADDRESS _____ ADDRESS _____

JAN 13 1981

RECEIVED
FEB - 4 1981

Date: _____
Operator's Well No. H-E-1

API Well No. 47-033-2521

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

WELL RECORD

Well Type: Oil _____ / Gas X / Liquid Injection _____ / Waste Disposal _____ /
(If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow _____ /

Location: Elevation: 1199 Watershed: Gnatty Creek

District: Elk County: Harrison Quadrangle: Mount Clare

Well Operator Hydrocarbon Energies, Inc. Designated Agent Alvin Sorcan
Address Rt. 4 Box 444 Address Rt. 4, Box 444
Buckhannon, WV 26201 Buckhannon, WV 26201

Permitted Work: Drill X / Covert _____ / Drill deeper _____ / Redrill _____ /
Fracture or stimulate X / Plug off old formation _____ /
Peforate new formation _____ / Other physical change in well (specify) _____

Permit Issued on 12-2-80

Oil & Gas Inspector for This Work:
Name: _____
Address: _____

Geological Target Formation: Benson Depth 4470 feet
Depth of completed well, 4613 feet Rotary X / Cable Tools _____ /
Water strata depth: Fresh 35 feet; Salt; 805 feet.
Coal seam depths: 410, 805 Is coal being mined in the area? NO
Work was commenced 1-8-81, and completed 1-14-81

Casing and Tubing Program

Casing or Tubing Type	Specifications				Footage Intervals		Cement Fill-Up Or Sacks (cubic feet)	
	Size	Grade	Weight per ft	New	Used	For drilling		Left in well
Conductor	11 3/4			X			30'	To Surface
Fresh Water								
Coal								
Intermediate	8 5/8		20#	X			1417'	To Surface
Production Tubing	4 1/2		10 1/2	X			4571'	450 SKS 50/50 Poz
Liners								

Well Treatment details:

133 MCF

FRAC: 1-23-81 Benson & Bradford PR

OWN PERFS: 4455-61 (12) 50000 Sand, 522 BBLs, 1500# ISDP

Prod 3610-64 (12) 40000 Sand, 490 BBLs, 1100# ISDP

Gas: Initial open flow, 2/10 2" H2O Mcf/d Oil: Initial open flow, None Bbl/d
Final open flow, 10/10 2" H2O 133 Mcf/d/4hrs Final open flow, _____ Bbl/d
Static Rock Pressure, 825 psig (surface measurement) after 24 hours shut in.

(Well log on reverse side)

MAR 9 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Silt & Shale			1417	1475		
Lime	Grey	Soft	1475	1530		
Big Lime	"	Hard	1530	1590		
Big Injun	GreyBrown	Hard	1590	1715		
Siltstone	Grey	Soft	1715	1900		
Sand	WH	Hard	1900	2175		
Silt	Grey	Soft	2175	2275		
Sand	WH	Hard	2275	2400		
Shale	Grey	Soft	2400	3055		
Silt	"	"	3055	3150		
Shale	"	"	3150	4320		
Silt	"	"	4320	4375		
Shale	"	"	4375	4470		
Benson	BRown	Hard	4470	4520	* 2/10 2" H2O	
Shale	Grey	Soft	4520	4613		
T.D.			4613			

Date _____, 19____

APPROVED _____, Owner

By _____

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, BENSON

Estimated depth of completed well, 4375 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 20 feet; salt, 760 feet.

Approximate coal seam depths: 445, 640, 850 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			X			30'	To SURFACE	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8			X			1100'	To SURFACE	
Production	4 1/2		9 1/2#	X			4375	400 SKS. or as reqd by rule 15.01	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 § 22-4-8a 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 7-19-81.

J. E. Murray
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.

WAIVER

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 _____

Date: 11-28, 19 80

Operator's Well No. H-E-1

API Well No. 47 - 033 - 2521
State County Permit

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

OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 1199' Watershed: GNATTY CREEK
District: ELK County: HARRISON Quadrangle: MOUNT CLARE

WELL OPERATOR HYDROCARBON ENERGIES, Inc. DESIGNATED AGENT ALVIN SERCAN
Address RT 4 Box 444 Address R4 Box 444
BUCKHANNON, W.VA. BUCKHANNON, W.VA.

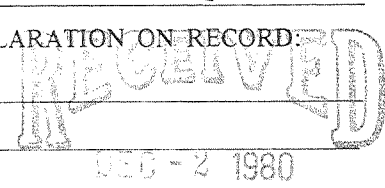
OIL & GAS ROYALTY OWNER A.E. & C.B. ROLLINS.
Address RT 2 Box 183
LOST CREEK, W.V.

COAL OPERATOR
Address

Acres 50.40
SURFACE OWNER ARNET ROLLINS
Address RT 2, Box 183
LOST CREEK W.VA.
Acres 50.4

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name A.E. ROLLINS
Address RT 2, Box 183
LOST CREEK, W.V.
Name C.B. ROLLINS
Address RT 2, Box 183
LOST CREEK

FIELD SALE (IF MADE) TO:
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

DEC - 2 1980

OIL & GAS INSPECTOR TO BE NOTIFIED
Name
Address

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 August 18, 19 80, to the undersigned well operator from ARNET E. ROLLINS & CEO B. ROLLINS
(If said deed, lease, or other contract has been recorded:)

Recorded on SEPT 17, 19 80, in the office of the Clerk of the County Commission of HARRISON County, West West, in DEED Book 1095 at page 933. 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 GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Alvin Sercan
Well Operator
By Alvin Sercan
Its

BANKET BOND

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, BENSON

Estimated depth of completed well, 4600 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 40 feet; salt, 960 feet.

Approximate coal seam depths: 445, 605, 895 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			X			30	To SURFACE	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8			X			1300	To SURFACE	
Production	4 1/2			X			4600	400 Sks.	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 § 22-4-8a 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 8-5-81.

[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.

WAIVER

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 _____