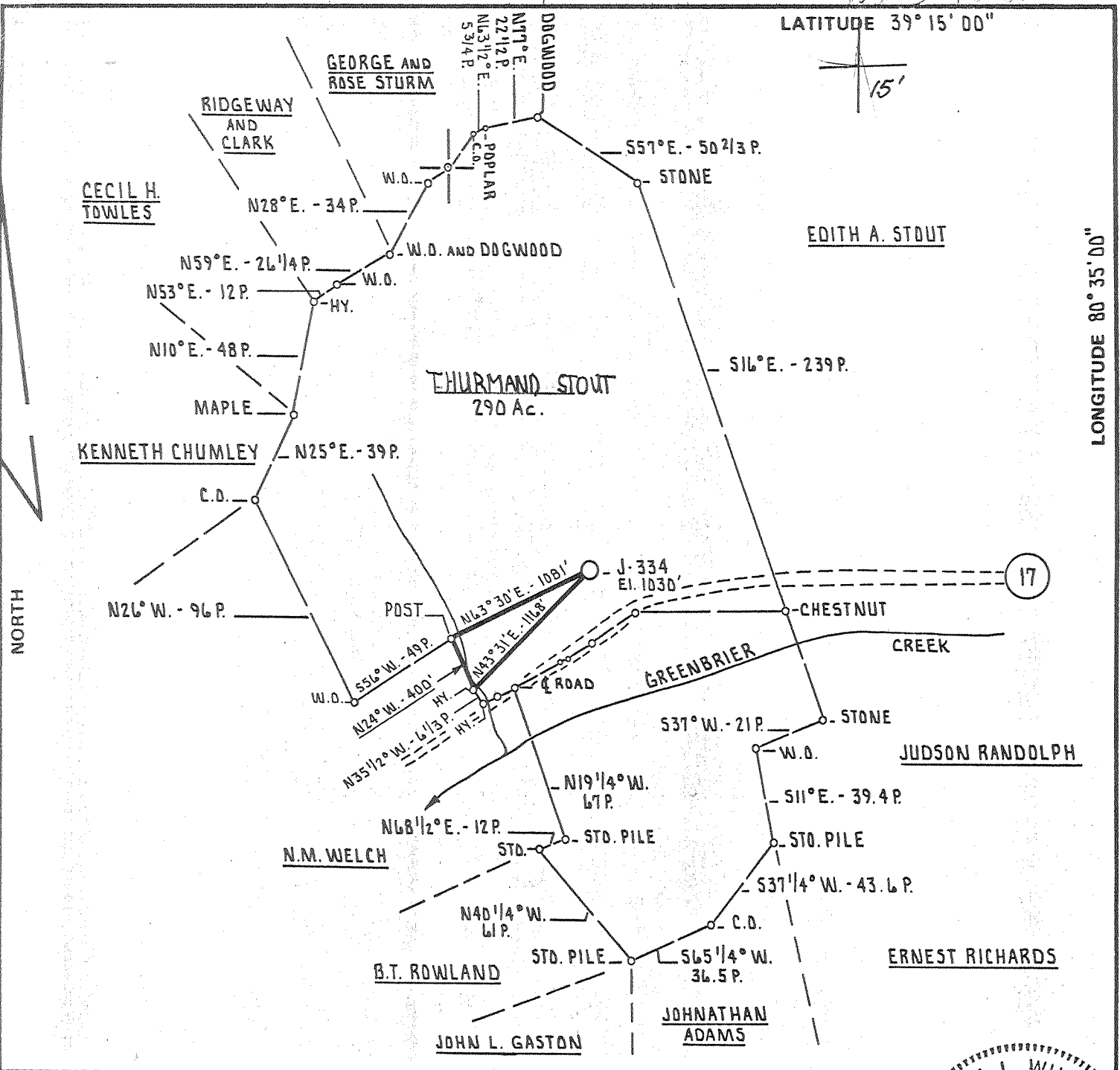


NO 9-17-80

2-4

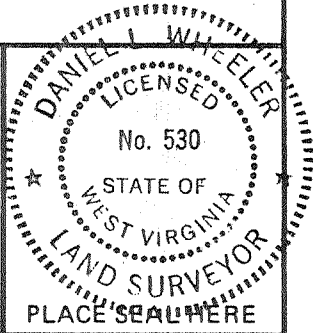
LATITUDE 39° 15' 00"

LONGITUDE 80° 35' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RT. 15 AND RT. 17
ELEVATION 897'

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)

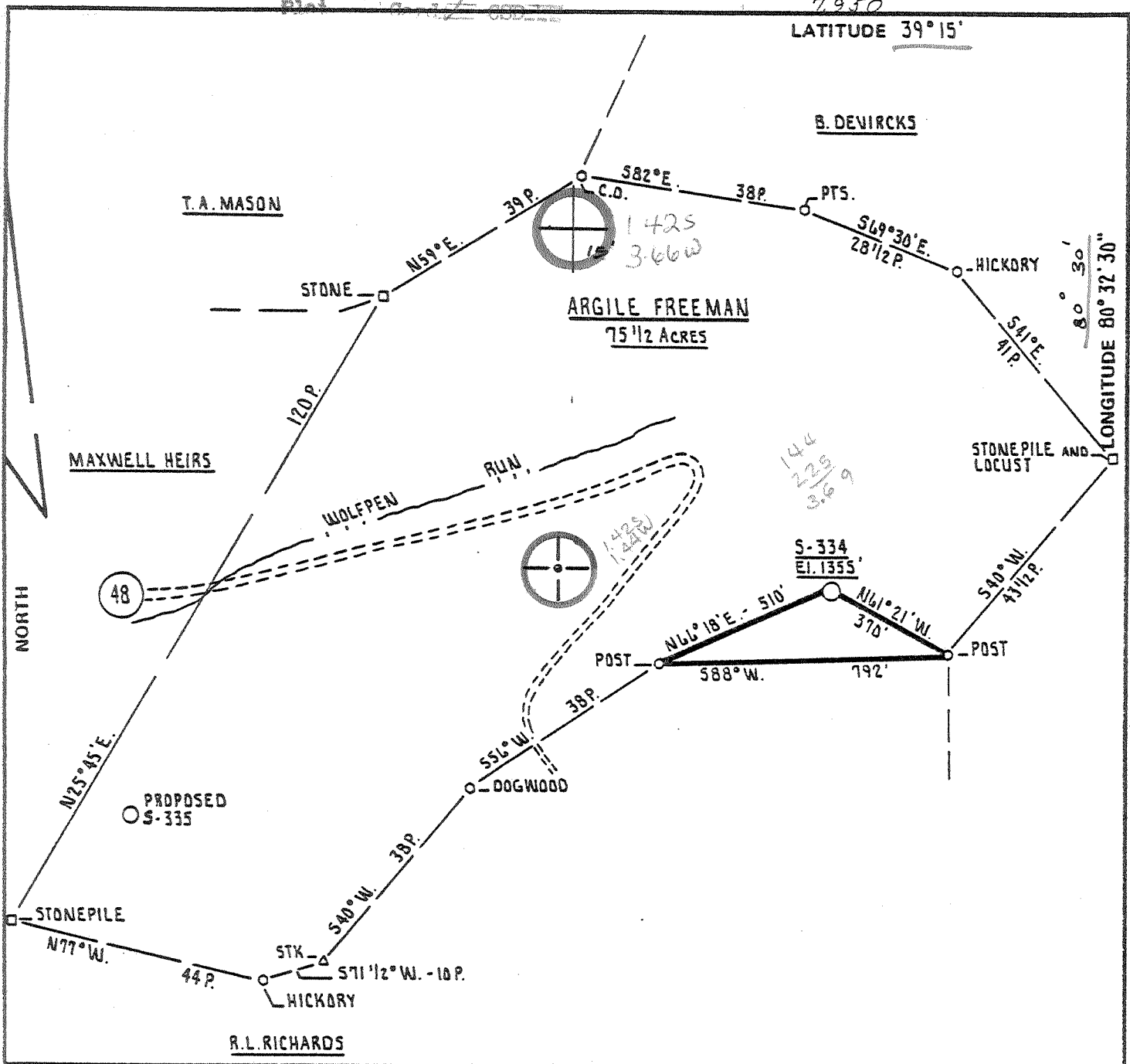


DATE AUGUST 13th, 19 80
 OPERATOR'S WELL NO. J-334
 API WELL NO. _____
47 - 017 - 2842-P
 STATE COUNTY PERMIT

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 1030' WATER SHED GREENBRIER CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5' VADIS 15'
 SURFACE OWNER THURMAN STOUT ACREAGE 230 Ac.
 OIL & GAS ROYALTY OWNER NEVA RITTER LEASE ACREAGE 290 Ac.
 LEASE NO. J. AND J. 64
 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 HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WEST VIRGINIA 26201 BUCKHANNON, WEST VIRGINIA 26201



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION RD. FKS. - BIG ISAAC
TOPD 7.5 ELEVATION 1051'

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) Douglas P. Motts
 R.P.E. 1002 L.L.S. _____

PLACE SEAL HERE

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



DATE JANUARY 10th, 19 81
 OPERATOR'S WELL NO. S-334
 API WELL NO. 47 - 017 - 2942
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 2942

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 1355' WATER SHED WOLF PEN RUN
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC TOPD 7.5 Wadis 15' NE
 SURFACE OWNER ARGIL FREEMAN ACREAGE 75.5 Ac.
 OIL & GAS ROYALTY OWNER ARGIL FREEMAN LEASE ACREAGE 75.5 Ac.
 LEASE NO. 329

PROPOSED WORK: DRILL X 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 1. BIG INJ. 2. FIFTH SAND 3. B. TOWN 4. BENSON 5. ALEXANDER ESTIMATED DEPTH 1. 2300 3. 4700 5. 5550 2. 3100 4. 5200
 WELL OPERATOR SCOTT OIL AND GAS DESIGNATED AGENT ROGER ZINN
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WEST VIRGINIA 26426 SALEM, WEST VIRGINIA 26426

H. T. HALL

6-6 Meadrose Park (Bristol) (146) FEB 23 1981

WELL OPERATOR'S REPORT
OF

APP. NO.

600-70

APPLICABLE, DRILLING AND/OR STIMULATING, OR OTHER CHANGE

11-2942

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow

LOCATION: Elevation: 1355' Watershed: Wolfpen Run
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

WELL OPERATOR James F. Scott DESIGNATED AGENT SAME
Address P.O. Box 112 Address _____
Salem, W. Va. 26426

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

PERMIT ISSUED ON Jan. 13, 19 81 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Steve Casey
Address Route 2
Jane Lew, W. Va.

GEOLOGICAL TARGET FORMATION: Benson-Alexander Depth 5678 feet
Depth of completed well, 5678 feet Rotary / Cable Tools
Water strata depth: Fresh, _____ feet; salt, _____ feet.
Coal seam depths: 347-350 Is coal being mined in the area? _____
Work was commenced Jan. 20, 19 81, and completed Jan. 26, 19 81

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-OUT OR SLURRY (Cubic feet)	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11 3/4					30'		Steel
Fresh water								
Coal								Steel
Intermediate	8 1/2		20#	X		1053	to surface	
Production	4 1/2		10.5#	X		5634	445 sks.	Steel set
Lines								
Slurs								Perforated

OPEN FLOW DATA

see back
Producing formation Benson-Alexander Pay zone depth 5223-5566
Gas: Initial open flow, show Mcf/d Oil: Initial open flow, _____ Mcf/d
Final open flow, 1205 Mcf/d Final open flow, _____ Mcf/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, 1800 psig (surface measurement) after 15 hours shut in
(if applicable for multiple completions--)

Second producing formation _____ Pay zone depth _____
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Mcf/d
Final open flow, _____ Mcf/d Final open flow, _____ Mcf/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

5/12/83

(Reverse)

[85-78]

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

Perforations:

Benson
Alexander

5220-32
5566-71

20 holes
10 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all f and salt water, coal, oil and
Clay			0	5	
Shale & R. Rock			5	40	
Coal			40	43	
Sand			43	140	
Coal			140	143	
Sand			143	347	
Coal			347	350	
Sand & Shale			350	500	
Sand			500	605	
Sandy Shale			605	835	
Sand			835	865	
Sandy Shale & Red Rock			865	1053	
Sand & Shale			1053	2190	
L. Lime			2190	2210	
Shale			2210	2240	
B. Lime			2260	2370	
Sand & Shale			2370	2640	
Shale			2640	3011	
Sand & Shale			3011	5010	
Sand & Shale			5010	5160	
Benson			5160	5190	
Sand & Shale			5190	5488	
Alexander			5488	5498	
Shale			5498	5678	TD
Gamma Ray Log					
Big Lime-Big Injun			2382	2443	
5th Sand			3130	3156	
Benson			5223	5238	
Alexander			5565	5572	

(Attach separate sheets to complete as necessary)

James F. Scott
Well Operator

By

Its

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."

5/12/83

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. S-334

API Well No. 47 - 017 - 2942 State County Permit

WELL TYPE: Oil / Gas X / (If "Gas", Production X / Underground storage / Deep / Shallow X / LOCATION: Elevation: 1355' Watershed: Wolfpen Run District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5

WELL OPERATOR Scott Enterprises Address P.O. Box 112 Salem, W. Va. 26426

DESIGNATED AGENT SAME Address [RECEIVED] JAN 13 1981

LAND & GAS OWNERS Argil Freeman Address 3643 W. Pasadena Ave. Phoenix, Ariz. 85019

COAL OPERATOR OIL & GAS DIVISION DEPT. OF MINES

ACREAGE 75.5 SURFACE OWNER Argil Freeman Address 3643 W. Pasadena Ave. Phoenix, Ariz. 85019 ACREAGE 75.5

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Willis G. Tetrick Address Union Bank Bldg. Clarksburg, W. Va. 26301

HEAD SALE (IF MADE) TO: Address

COAL LESSEE WITH DECLARATION ON RECORD: Name Consolidation Coal Co. Address P.O. Box 1314 Morgantown, W. Va. 16505

& GAS INSPECTOR TO BE NOTIFIED Steve Casey Address Rt. 2 Jane Lew, W. Va.

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 Aug. 18, 1980, to the undersigned well operator from Argil Freeman and Hildren Freeman

dated Aug. 25, 1980, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Box 116 at room 687. A permit is requested for: Drill X / Drill deeper / Redrill / Fracture or stimulate / Hit off old formation / Perforate new formation / Other physical change in well (specify)

---Banded as shown on the work order on the reverse side hereof.

The undersigned well operator, coal owner(s), and coal lessee are hereby notified that any additional information required to make by Code 5-2-4 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

It is further notified that this Permit Application and the enclosed print and declaration can have been mailed to the undersigned by hand to the above named well operator, coal owner(s), and coal lessee or by registered mail to the undersigned delivery of this Permit Application to the Department of Mines, West Virginia.

WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION 100 MARKET STREET EAST MARTINSBURG, WV 26151

MARKET BOND

Well Operator By: M. Edward Smith Its: Geo to gist

[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
Address Buckhannon, W. Va.

Big Injun Ball Town Alexander
GEOLOGICAL TARGET FORMATION, Fifth Sand Benson

Estimated depth of completed well, 5550 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: 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	11 3/4					30'		Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5-8						900	to surface
Production	4 1/2					5550	550 sks	Depths set
Tubing								or as reqd.
Liners								by rule 1506
								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 recorded 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 9-14-81.

J. G. 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:

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.

 12, 1981

Consolidation Coal Co
By Gerald A. Beane
Its Senior Manager