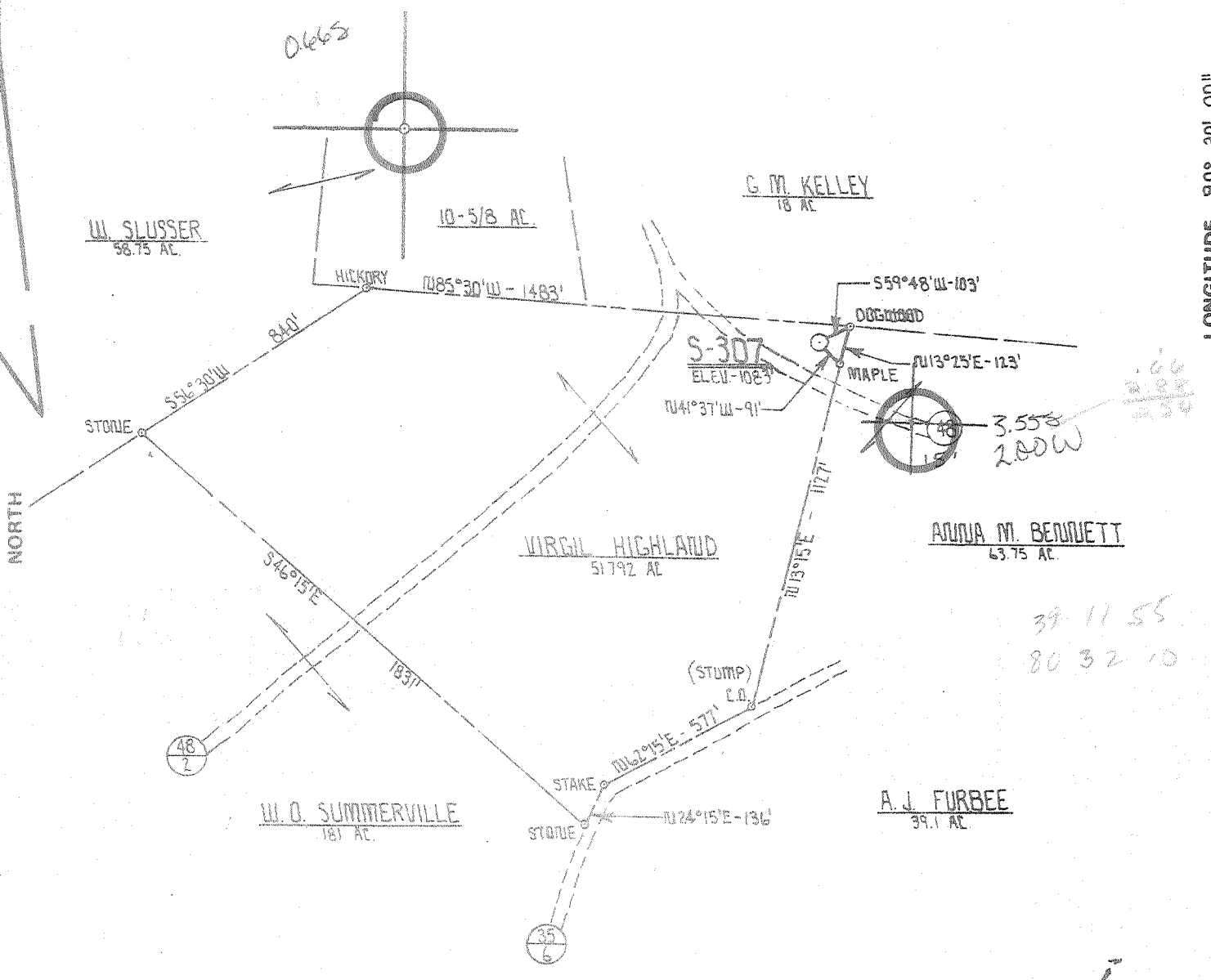


LATITUDE 39° 12' 30"
(15') 39 15'

LONGITUDE 80° 30' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RTS. 25 & 48
 ELEV. - 985'

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) Harvey L. Wheeler
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

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



DATE MAY 19 19 80
 OPERATOR'S WELL NO. S-307
 API WELL NO. 47 - 017 - 2750
 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 1083' WATER SHED LAUREL RUN
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5' VADIS 15' NE
 SURFACE OWNER STANLEY RICHARDS ACREAGE 51.79
 OIL & GAS ROYALTY OWNER STANLEY RICHARDS LEASE ACREAGE 51.79
 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 ALEXANDER ESTIMATED DEPTH 5200'
 WELL OPERATOR SCOTT ENTERPRISES DESIGNATED AGENT SCOTT ENTERPRISES
 ADDRESS P.O. BOX 112 SALEM, W. VA. 26426 ADDRESS P.O. BOX 112 SALEM, W. VA. 26426

[08-78]

WELL OPERATOR'S REPORT 5
OF
DRILLING, FRACURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X)
LOCATION: Elevation: 1083' Watershed: Laurel Run
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

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

DESIGNATED AGENT SAME
Address _____

PERMITTED WORK: Drill x / Convert ___ / Drill deeper ___ / Redrill ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____
OIL & GAS DIVISION
DEPT. OF MINES

PERMIT ISSUED ON May 22, 19 80

OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
Address 321 Beech St.
Clarksburg, W. Va. 26301

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

GEOLOGICAL TARGET FORMATION: Alexander Depth 5250 feet
Depth of completed well, 5250 feet Rotary X / Cable Tools ___
Water strata depth: Fresh, ___ feet; salt, 160 feet.
Coal seam depths: 120-124; 192-196; 440-443 Is coal being mined in the area? ___
Work was commenced Oct. 7, 19 80, and completed Oct. 13, 19 80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11 3/4							
Fresh water								Rinds
Coal								Sizes
Intermediate	8 5/8		20#	X		661	to surface	
Production	4 1/2		10.5#	X		5193	250 sks.	Depth set
Tubing								Perforations:
Rinds								Top

OPEN FLOW DATA

Producing formation Benson, Alexander Pay zone depth 4750-5100
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ bbl/d
Final open flow, 1143 Mcf/d Final open flow, ___ bbl/d
Time of open flow between initial and final tests, ___ hours
Static well pressure, 1450 psig (surface measurement) after 24 hours shut in.

Second producing formation _____ Pay zone depth _____
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 well pressure, ___ psig (surface measurement) after ___ hours shut in.

JAN 28 1981

[08-78]

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

Perf:	Benson	4744-4762	20 holes	650 bbl	20,000# 80/100	50,000# 20/40
	Alexander	5100-5111	15 holes	550 bbl	20,000# 80/100	40,000# 20/40

WELL LOG

FORMATION	Color	Hard or Soft	S Top Feet	Bottom Feet	Remarks Including indication of all and salt water, coal, oil and
Sand & Shale			0	30	
Sand			30	120	1/2" stream H2/O at 160'
Coal			120	124	
Sand			124	193	
Coal			193	196	
Sand & Shale			196	231	
Shale & R. Rock			231	385	
Sand & Shale			385	415	
Shale			415	440	
Coal			440	443	
Shale			443	550	
R. Rock & Shale			550	692	
Sand & Shale			692	873	
Shale			873	957	
Sand & Shale			957	1206	
Shale			1206	1342	
Sand & Shale			1342	1622	
Shale			1622	1750	
Sand & Shale			1750	1850	
B. Lime			1850	2000	
Sand & Shale			2000	2250	
Shale			2250	2600	
Sand & Shale			2600	3210	
Shale			3210	3515	
Sand & Shale			3515	3810	
Shale			3810	4745	
Benson			4745	4760	15 M
Shale			4760	5095	
Alexander			5095	5105	
Gamma Ray Log					
B. Lime-B. Injun			1835	1980	
Balltown			3300	3460	
Benson			4742	4763	
Alexander			5097	5130	

T.D. 5250-phy log
5254-log

(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."

Date: May 20, 1980
Operator's Well No. S-307
API Well No. 017 - 2750
State County Permit

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil Gas X
(If "Gas", Production X / Underground storage Deep Shallow X
LOCATION: Elevation: 1083' Watershed: Laurel Run
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

WELL OPERATOR Scott Enterprises, Inc. DESIGNATED AGENT SAME
Address P.O. Box 112 Address
Salem, W. V. 26426

OIL & GAS ROYALTY OWNER Virgil I. Highland Estate COAL OPERATOR
Address Clarksburg, W V Address

ACREAGE 60
SURFACE OWNER Stanley Richards COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Rt. 3 Box 76 Name Eastern Associated Coal Corp.
Salem, W. Va. 26426 Address Koppers Bldg
Grant St.
Pittsburg Pa
Name
Address

FIELD SALE (IF MADE) TO:
Name
Address
COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

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

MAY 22 1980

OIL & GAS DIVISION

DEPT. OF MINES

The undersigned well operator is entitled to operate for DEPT. OF MINES location under a deed / lease X / other contract / dated May 19, 1980, to the undersigned well operator from Virgil I. Highland Estate

[If said deed, lease, or other contract has been recorded:]
Recorded on May, 1980, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 115 at page 89. 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 § 20-2-2 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 25301
TELEPHONE: 336-1100

Scott Enterprises, Inc.
Well Operator
By G Ed Arnold
Its Geologist

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 Buxkannon, W. Va.

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5200 feet Rotary Cable tools

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: _____ 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		
Conductor	11	3-4				30'		Kinds
Fresh water								
Coal								Sizes
Intermediate	8	5-8				800	to surface	
Production	4 1/2					5205	300 sks.	Depths set
Casing								
Miners								Perforations:
								Top Bottom


NOTE: Regulation 2.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (1) a plan in the form prescribed by Regulation 11, (2) a bond in one of the forms prescribed by Regulation 10, or in lieu thereof the other security allowed by Code § 20-4-2, (3) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 20-4-12b and Regulation 23, (4) unless previously paid on the same well, the fee required by Code § 20-4-10a, and (5) if applicable, the consent required by Code § 20-4-1a 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 or is 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 2-6-81.


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 § 20-4-20, 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.

Date: _____, 19____

By _____
Its _____