



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION SCOTT OIL AND GAS
 WELL # S-307 ELEVATION 1083'

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. Moats
 R.P.E. 7002 L.L.S. _____

PLACE SEAL HERE

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



DATE FEBRUARY 10th, 19 81
 OPERATOR'S WELL NO. 5-343
 API WELL NO. _____
47 - D17 - 2979
 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 1421' WATER SHED LAUREL RUN
 DISTRICT GREENBRIER COUNTY BODDRIDGE
 QUADRANGLE BIG ISAAC 75' VAOLIC NE
 SURFACE OWNER JACK ROACH ACREAGE 51.79 Ac.
 OIL & GAS ROYALTY OWNER HIGHLAND-RICHARDS LEASE ACREAGE 51.79 Ac.
 LEASE NO. _____

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 B. TOWN 4.5" SAND ESTIMATED DEPTH 2.3050' 3.3700' 4.2150'
 WELL OPERATOR SCOTT OIL AND GAS DESIGNATED AGENT SCOTT OIL AND GAS
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WEST VIRGINIA 26426 SALEM, WEST VIRGINIA 26426

H. T. HALL
 6-6 Meathouse Fork Bristol (147) (147)
 MAR 23 1981

108-76

WELL TYPE: OF
TRAP, SAND AND/OR STELLATI, AND/OR OTHER CHANGE

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

LOCATION: Elevation: 1421 Watershed: Laurel Run
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

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

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

PERMIT ISSUED ON Feb. 17, 19 81 OIL & GAS INSPECTOR FOR THIS WORK: Stephen Casey

(IF APPLICABLE: PLUGGING OR DRY HOLE OR CONTINUING PROGRESSION FROM DRILLING OR REMOVING, UNDER PERMITS OBTAINED)

Address Rt. 2 Box 232-D
Jane Lew, W. Va. 26378
GEOLOGICAL TARGET FORMATION: Benson; Balltown; Speechley;
Bradford Depth 5595 feet

Depth of completed well, 5595 feet Rotary X / Cable Tools
Water strata depth: Fresh, 110 feet; salt, feet.
Coal seam depths: 65-68; 172-175; 335-338;
440-443 Is coal being mined in the area? NO
Work was commenced June 30, 19 81, and completed July 13, 19 81

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	4				30'		Rinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8		20#	X			887.7	to surface
Production	4 1/2		10.8#	X			5531	460 sks. Boths set.
Tubing								
Liners								Perforations:
								Top 3000'

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AUG 20 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OPEN FLOW DATA

Producing formation Alexander, Bradford, Benson, Speechley Pay zone depth 5090-5100 feet

Gas: Initial open flow, Mcf/d Oil: Initial open flow, bbl/d
Final open flow, 834 Mcf/d Final open flow, bbl/d

Time of open flow between initial and final tests, hours

Static rock pressure, 1575 psig (surface measurement) after 72 hours shut in.

(If applicable for multiple completion--)

Second producing formation Pay zone depth 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.

SEP 21 1981

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

1st	Stage	600 BBL
2nd	Stage	600 BBL
3rd	Stage	400 BBL
4th	Stage	400 BBL

2979

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 & Fill			0	10	
Shale & Rock			10	35	
Sand			35	65	
Coal			65	68	
Sand			68	172	
Coal			172	175	½" H2/O at 110'
Sand & Shale			175	215	
Coal			215	219	
Shale			219	335	
Coal			335	338	
Sand & Shale			338	440	
Coal			440	443	
Sand & Shale			443	933	
Shale & R. Rock			933	1155	
Shale			1155	1490	
Sand & Shale			1490	2170	
B. Lime & Injun			2170	2330	
Sand & Shale			2330	2710	
Shale			2710	3670	
Sand & Shale			3670	4810	
Shale			4810	5090	
Sand	Brown		5090	5100	
Shale			5100	5435	
Alexander			5435	5450	
Shale			5450	5595	
Gamma Ray Log					

(Attach separate sheets to complete as necessary)

Well Operator _____
 By _____
 It's _____

NOTE: This log is to be considered as a permanent record.
 "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 Stanley
Well No. S-343 Richards #2

API Well No. 47-017-2979
State County Permit

WELL TYPE: Oil / Gas X /

(If "Gas", Production X / Underground storage / Deep / Shallow X)

LOCATION: Elevation: 1421 Watershed: Laurel 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
Address: _____

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FEB 17 1981

OIL & GAS ROYALTY OWNER: Virgil L. Highland, Est.
Address: Clarksburg, W. Va.

COAL OPERATOR
Address: OIL & GAS DIVISION
DEPT. OF MINES

Acreage: .60

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER: Jack Roach
Address: 1190 N. Market St.
Frederick, Maryland 21701
Acreage: 60

Name: Eastern Associated Coal
Address: Koppers Bldg.
Grant St.
Pittsburgh, Pa.

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

Name: _____
Address: _____

COAL LESSEE WITH DECLARATION ON RECORD:

Name: _____
Address: _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name: Stephen Casey
Address: Rt. 2 Box 232-D
Jane Lew, W. VA. 26378

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 May 19, 1980, by the undersigned well operator from Virgil L. Highland, Estate.
[If said deed, lease, or other contract has been recorded:]

Recorded on May, 19 80, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in _____ 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 changes they wish to make on any 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 declaration 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, Charleston, West Virginia.

PLEASE RETURN COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
601 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

SCOTT ENTERPRISES INC
Well Operator

By: D. Edward Powell
His: Geologist

PROPOSED WORK ORDER

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

RECEIVED
FEB 23 1981

OIL & GAS DIVISION
DEPT. OF MINES

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling

Address Buckhannon, W. Va.

Benson Balltown
Speechley Big Injun

GEOLOGICAL TARGET FORMATION, _____
Estimated depth of completed well, 5150 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								
Intermediate	8 5/8							Sizes
Production	4 1/2					800	to surface	
Tubing						5150	400 sks.	Depths set
Packers								Perforations:
								Top Bottom

Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-3 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-37 shall not be required for fracturing or stimulating a well when fracturing or stimulating is to be part of the work for which a permit is sought and is listed as such on the Form IV-3 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 10-25-81

Fred R. Buehler
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 on the attached this proposed well location. If a mine map exists which covers the area of the location, the well location has been added to the mine map. The undersigned has no objection to 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.

By: _____
Its: _____