



FILE NO. 498
 DRAWING NO. 81-1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION S-327
Elev. = 1007'

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) Ruford J. Osterander
 R.P.E. _____ L.L.S. 555

PLACE SEAL HERE

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

FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE June 29, 19 81
 OPERATOR'S WELL NO. S-367
 API WELL NO. 47-017-3028
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS xx LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION xx STORAGE ___ DEEP ___ SHALLOW xx

LOCATION: ELEVATION 1382' WATER SHED Greenbrier Creek
 DISTRICT Greenbrier COUNTY Doddridge
 QUADRANGLE Salem Centerpoint 15' SC

SURFACE OWNER Carl Koch ACREAGE 92 3/4
 OIL & GAS ROYALTY OWNER Eva Caswell LEASE ACREAGE 92 3/4
 LEASE NO. _____

PROPOSED WORK: DRILL xx 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, Benson ESTIMATED DEPTH 5700-5350

WELL OPERATOR Scott Oil and Gas DESIGNATED AGENT Scott Oil and Gas
 ADDRESS PA Box 112 ADDRESS PA Box 112
Salem, W. Va. Salem, W. Va.

JUL 31 1981

RECEIVED



IV-35 (Rev 8-81)

DEC 16 1981

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date Dec. 15, 1981 Operator's Well No. S-367 Farm Eva Caswell # 2 API No. 47 - 017 - 3028

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING 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: 1382 Watershed Greenbrier Creek District: Greenbrier County Doddridge Quadrangle Salem 7.5'

COMPANY James F. Scott ADDRESS P.O. Box 112; Salem, W. Va. 26426 DESIGNATED AGENT James F. Scott ADDRESS P.O. Box 112; Salem, W. Va. 26426 SURFACE OWNER Carl Koch ADDRESS Box 1961 Alice, Texas 78332 MINERAL RIGHTS OWNER Eva Caswell ADDRESS 440 39th St. S.E. Canton, Ohio 44707 OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Rt. 2 Box 232-D Jane Lew, W. Va.

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

PERMIT ISSUED July 14, 1981 DRILLING COMMENCED Sept. 28, 1981 DRILLING COMPLETED Oct. 19, 1981 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Alexander; Benson Depth 5600 feet Depth of completed well 5686 feet Rotary X / Cable Tools Water strata depth: Fresh 300 feet; Salt NONE Coal seam depths: NONE Is coal being mined in the area? NO

OPEN FLOW DATA Producing formation Alexander; Benson Pay zone depth 5554-5260 feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Final open flow 440 Mcf/d Final open flow Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 2000 psig (surface measurement) after hours shut in (If applicable due to 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 Oil: 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

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

<u>Alexander</u> Perfs:	<u>5554--5596</u>	12 holes	80/100 sand	10,000 lbs.
			20/40 sand	40,000 lbs.
Benson Perfs:	5260--5268	14 holes	80/100 sand	10,000 lbs.
			20/40 sand	40,000 lbs.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandy Shale	0	40	
Sand	40	80	Damp at 120'
Sandy Shale	80	140	
Sand	140	240	1" H2/O at 300'
Sandy shale	240	440	
Sand	440	530	
Sand Shale & Red Rock	530	780	
Sand	780	820	
Sandy Shale	820	1340	
Sand	1340	1365	
Sandy Shale	1365	2245	
Little Lime	2245	2255	
Sandy Shale	2255	2285	
Big Lime	2285	2350	
Sand	2350	2415	
Sandy Shale	2415	2915	
Sand	2915	2945	
Sandy Shale	2945	3450	
Sand	3450	3495	
Sandy Shale	3495	4546	
Sand	5240	5260	
Sandy Shale	5260	5550	
Sand	5550	5590	
Sand & Shale <i>ALEX.</i>	5590	5686TD	

(Attach separate sheets as necessary)

James F. Scott

Well Operator

By:

James F. Scott

Date: December 15, 1981

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 ..., encountered in the drilling of a well."



Well No. S-367
Farm Eva Caswell #2
API #47-017-3028
Date July 1, 1981

(Revised 7-81)

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /

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

LOCATION: Elevation: 1382 Watershed: Greenbrier Creek
District: Greenbrier County: Doddridge Quadrangle: Salem 7.5

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

DESIGNATED AGENT Scott Oil & Gas
Address P.O. Box 112
Salem, W. Va. 26426

OIL AND GAS ROYALTY OWNER Eva Caswell
Address 440 39th. Street S.E.
Canton, Ohio 44707
Acreage 92 3/4

COAL OPERATOR
Address

SURFACE OWNER Carl Koch
Address Box 1961
Alice, Texas 78332
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Consolidation Coal Co.
Address P.O. Box 1314
Morgantown, W. Va. 26505

FIELD SALE (IF MADE) TO:
NAME
Address

NAME
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Mr. Stephen Casey
Address Rt. 2 Box 232-D
Jane Lew, W. Va. 26378
Telephone 884-7470

RECEIVED
JUL 14 1981

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 x / other contract ___ / dated Mar. 21, 1980, to the undersigned well operator from Eva Caswell & Lloyd Caswell.

(If said deed, lease, or other contract has been recorded:)

Recorded on May 2, 1980, in the office of the Clerk of County Commission of Doddridge County, West Virginia, in 114 Book at page 673. 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 §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this 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
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

By: James F. Scott
Its: Owner

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 Co.

Address Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION Alexander; Benson
Estimated depth of completed well 5700 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 748 feet; salt, feet.
Approximate coal seam depths: 750
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor	11 3-4					30		Kinds
Fresh water								
Coal								Sizes
Intermed.	8 5-8						900	to surface
Production	4 1/2						5700	450 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 3-20-82.

[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 §22-4-50, 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 regularions.

Date: , 19 .

Consolidation Coal Company

By: *[Signature]*
Its: Senior Vice President