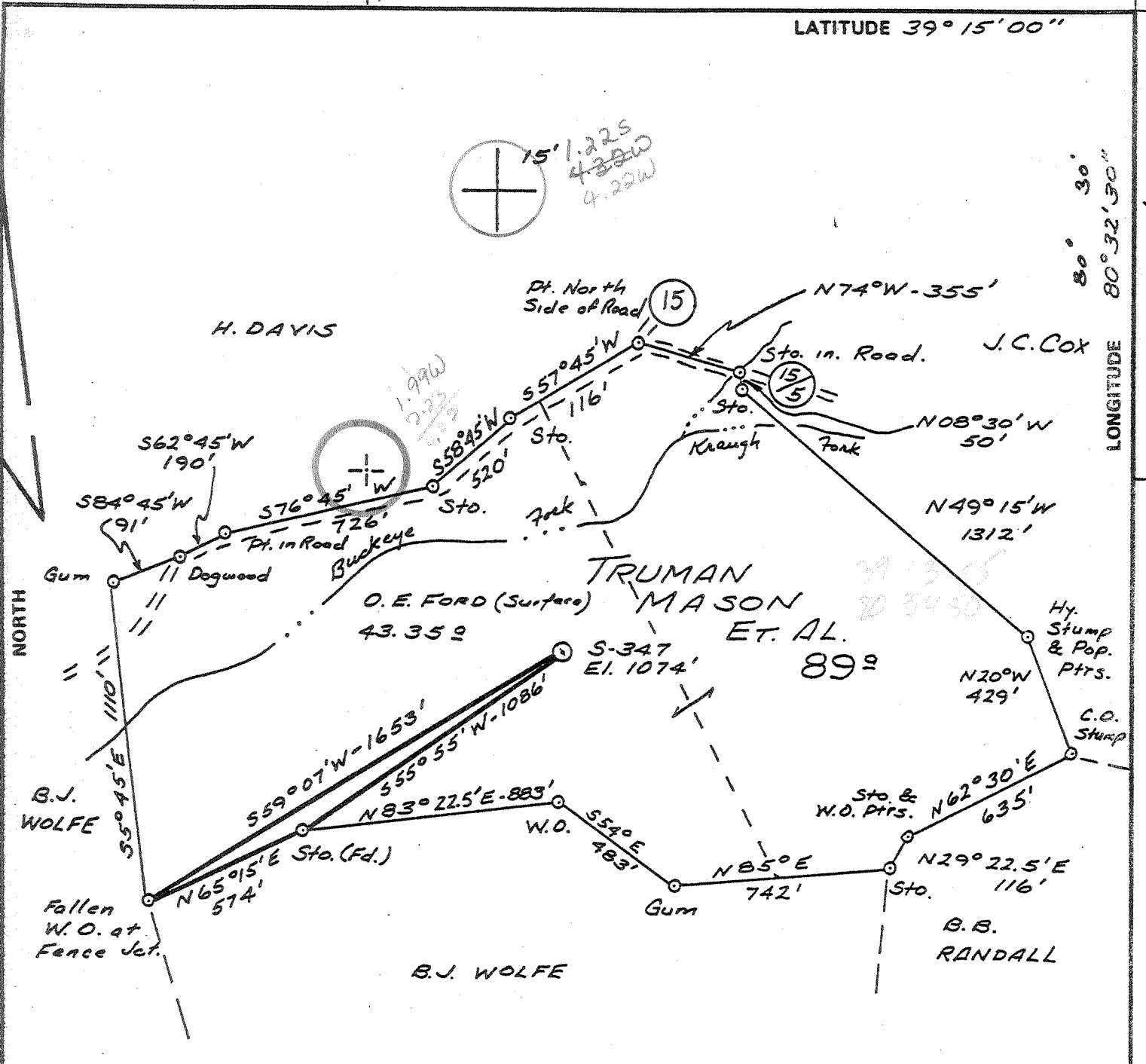


LATITUDE 39° 15' 00"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1" IN 200'  
 PROVEN SOURCE OF ELEVATION RD. FORK EL. 963  
BIG ISAAC 7 1/2' TOPO

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 APRIL 21, 19 81  
 OPERATOR'S WELL NO. S-347  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2997  
 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 1074' WATER SHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7 1/2' TOPO VADIS 15' NE  
 SURFACE OWNER ORA FORD ACREAGE 43.35  
 OIL & GAS ROYALTY OWNER TRUMAN MASON et al. LEASE ACREAGE 89.0  
 LEASE NO. 308

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 \_\_\_ 1. 5400 3. 4900 5. 3300  
 TARGET FORMATION 1. Alexander 3. Riley 5. 5th 3d ESTIMATED DEPTH 2. 5150 4. 4000 6. 2300  
 WELL OPERATOR SCOTT OIL & GAS DESIGNATED AGENT ROGER ZINN  
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112  
SALEM, W.V. 26426 SALEM, W.V. 26426

WELL TYPE: Oil  Gas  / Liquid Injection  Waste Disposal   
 "No Back", Production  Underground storage  Diver  Shallow   
 LOCATION: Elevation: 1074 Watershed: Buckeye Creek  
 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

PERMITTER'S REQUEST: 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 May 1, 19 81 OIL & GAS INSPECTOR FOR THIS WORK:

IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PERFORATION FROM DRILLING OR REPAIRING. VERBAL PERMISSION OBTAINED \_\_\_\_\_  
 Name: Stephen Casey  
 Address: Rt. 2 Box 232-D  
Jane Lew, W. Va. 26378

ORIGINAL TARGET FORMATION: Alexander; Benson; Depth 5400 feet  
 Depth of completed well, 5463 feet Rotary  / Cable Tools \_\_\_\_\_  
 Water static depth: Fresh, 720 feet; salt, \_\_\_\_\_ feet.  
 Coal seam depths: 410-413; 685-690 Is coal being mined in the area? NO  
 Work was commenced June 23, 19 81, and completed June 29, 19 81

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	TAPPERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Drill pipe	1 3/4					30'		Wells
Production casing	5 5/8		40	X			846	Sizes
Production casing	4 1/2		40.5	X		5418	170 sks.	Depth set

**RECEIVED**  
 AUG 28 1981  
 OIL AND GAS DIVISION  
 WV DEPARTMENT OF MINES

Water static depth: 5300-10 4964-85  
Alexander, Benson Pay zone depth 4990-5330 feet  
 Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Mbl/d  
 Final open flow, 1175 Mcf/d Final open flow, \_\_\_\_\_ Mbl/d  
 Time of open flow between initial and final tests, \_\_\_\_\_ hours  
 Shut in pressure, 1875 psig (surface measurement) after 72 hours shut in.  
 [If applicable, list multiple completion--]

Production casing: \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
 Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Mbl/d  
 Final open flow, \_\_\_\_\_ Mcf/d Final open flow, \_\_\_\_\_ Mbl/d  
 Time of open flow between initial and final tests, \_\_\_\_\_ hours  
 Shut in pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in.

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

Alphabetical:

Perforated Interval:	5308-38	Volume:	600 bbl.	H <sub>2</sub> O
	5369-72	Concentration:	0.000#	80/100 sand
			50.000#	20/40 sand
Stimulated Interval:	5308-38	Volume:	600 bbl.	H <sub>2</sub> O
		Concentration:	15.000#	80/100 sand
			45.000#	4/40 sand

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Gravel & Fill			0	5	
Sand & Shale			5	35	
Shale			35	50	
Sand			50	170	
Shale			170	130	
R. Rock			130	191	
Shale			191	321	
Shale & Sand			321	380	1/2" H <sub>2</sub> O at 720'
Shale & R. Rock			380	410	
Coal			410	413	
Shale			413	685	
Coal			685	690	
Shale & R. Rock			690	871	
Shale			871	1570	
Sand & Shale			1570	1991	
Big Lime-Inju			1991	2178	
Shale			2178	2515	
Sand & Shale			2515	2910	
Shale			2910	3269	
Sand & Shale			3269	3500	
Sand			3500	3730	
Shale			3730	3800	
Sand			3800	3850	
Shale			3850	4280	
Sand & Shale			4280	4620	
Shale			4620	4964	
Benson			4964	4985	
Shale			4985	5225	
Sand	Brown		5225	5250	
Shale			5250	5300	
Sand	L. Brown		5300	5310	
Shale			5310	5463	

(Attach separate sheets to complete as necessary)

James E. Scott  
Well Operator  
By *James E. Scott*  
Its Owner/Operator

API Specification 2.00 (a) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic, detailed geologic record of all formations, including coal, encountered in the drilling of a well."

RECEIVED

MAY - 1 1981

File No. 3-347  
Truman Mason  
47-317-2997  
Date April 24, 1981

OIL & GAS DIVISION  
DEPT. OF MINES 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: 1074' Watershed: Buckeye Creek  
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

WELL OPERATOR: Scott Enterprises  
Address: P.O. Box 112  
Martinsburg, W. Va. 26401

DESIGNATED AGENT  
Address

OIL AND GAS ROYALTY OWNER: Truman Mason  
Address: 100 Edgar Road  
Highfield, N. I. 07090  
Acreage: 89

COAL OPERATOR  
Address

SURFACE OWNER: Mr. Ora Ford  
Address: 210  
Martinsburg, W. Va. 26406  
Acreage: 12

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME: Willie G. Tebriak  
Address: Union Park Bldg.  
Clarkeburg, W. Va. 26301  
NAME  
Address

FIELD SALE (IF MADE) TO:  
NAME  
Address

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME: Consolidation Coal Co.  
Address: P.O. Box 1814  
Morgantown, W. VA. 26505

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME: Mr. Stephen Casey  
Address: P.O. Box 222-D  
Martinsburg, W. Va. 26402  
Telephone: 525-7370

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a lease / lease X / other contract / dated Mar. 29, 1980, to the undersigned well operator from Lewis F. Maxwell & Linda Maxwell.

(If said well, lease, or other document has been recorded)  
Recorded on Apr. 21, 1980, in the office of the Clerk of County Commission of Doddridge County, West Virginia, in 114 Book at page 500. A permit is requested as follows:  
PROPOSED WORK: Drill X / Drill Deeper / Re-drill / Fracture or stimulate /  
Plug off old formation / Perforate new formation /  
Other physical change in well (specify)

Explained 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 31-1-3 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 plan and reclamation plan have been mailed by registered mail or delivery 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 SEND COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
Scott Enterprises  
Well Operator

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 26311  
Telephone: 304/368-3092

By: *[Signature]*

BLANKET BOND

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; Riley  
Balltown; 5th. Sand; Injun  
Estimated depth of completed well 5400 feet. Rotary X / Cable tools      /  
Approximate water strata depths: Fresh,      feet; salt,      feet.  
Approximate coal seam depths:       
Is coal being mined in this area: Yes      / No      /

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 Drilling	Left in Well		
Conductor	11 3-4					30'			Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5-8						700	to surface	
Production	4 1/2						5400	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 1-5-82.

[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 §22-4-20, 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 X / 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