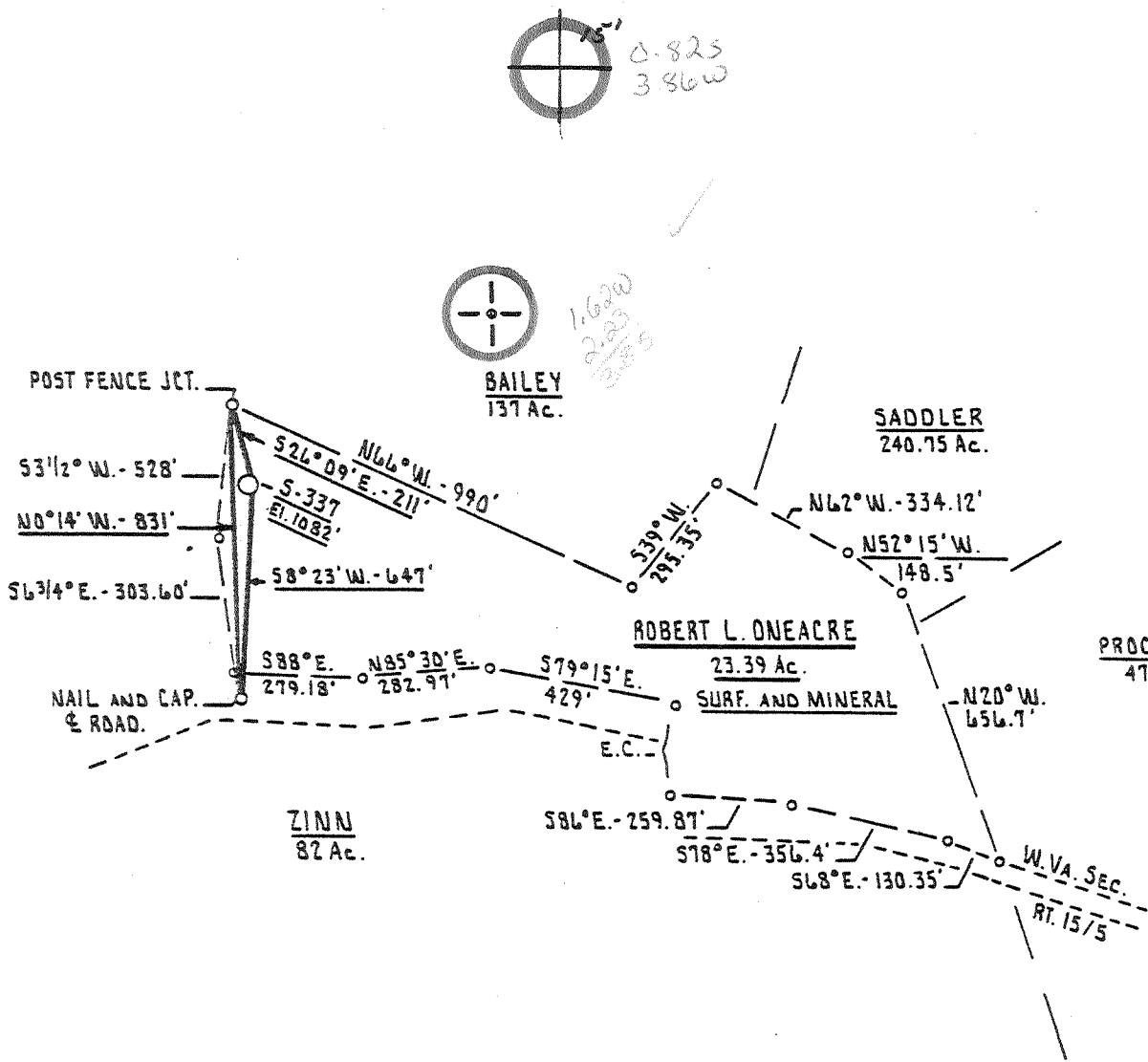


NORTH



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION RD. FRK. 963'  
BIG ISAAC QUAD.

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 JANUARY 7<sup>th</sup>, 19 81  
 OPERATOR'S WELL NO. 5-337  
 API WELL NO. 47 - 017 - 2941  
 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 1082' WATER SHED TROUGH FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC W. VA. SEC. RT. 15/5  
 SURFACE OWNER ROBERT L. ONEACRE ACREAGE 23.39 Ac.  
 OIL & GAS ROYALTY OWNER ROBERT L. ONEACRE, ET. AL. LEASE ACREAGE 23.39 Ac.  
 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 1. BIG INJ. 2. FIFTH SAND 3. SEASON 4. SALEXANDER ESTIMATED DEPTH: 1. 2000' 3. 3800' 5. 5250'  
2. 2800' 4. 4900'  
 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

*Doddridge 2941*

TYPE: Oil  Gas  Liquid Injection  Waste Disposal   
 (If "Gas", Production  Underground storage  Fuel  Other   
 Elevation: 1082 Watershed: Trough Fork  
 District: Greenbrier County: Doddridge Township: Big Isaac 7.5'

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

WORK: Drill  Convert  Drill deeper  Re-drill   
 Plug off old formation  Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_

DISCOVERED ON Jan. 12, 1981 OIL & GAS INSPECTOR FOR THIS WELL:  
 Name Stephen Casey  
 Address Rt. 2 Box 232-D  
Jane Lew, W. Va.

GEOLOGICAL TARGET FORMATION: Benson-Alexander Depth 5455 feet  
 Depth of completed well, 5499 feet Rotary  Cable Tools   
 Water strata depth: Fresh, 45 feet; salt, \_\_\_\_\_ feet.  
 Coal seam depths: 135-138; 309-314; 405-408 Is coal being mined in the area? NO  
 Work was commenced Feb. 3, 1981, and completed Feb. 10, 1981

LOGGING AND TUBING PROGRAM

LOGGING 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				30'		Rinds
Fresh water								
Gal								
Intermediate	8	5-8				859	to surface	Sizes
Production	4 1/2					5455		Draths set
Casing								
liners								Perforations:
								Top 3000'

WELL FLOW DATA

Producing formation Benson; Alexander Pay zone depth 4970-5300 feet  
 Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d  
 Final open flow, 1731 Mcf/d Final open flow, \_\_\_\_\_ bbl/d  
 Time of open flow between initial and final tests, \_\_\_\_\_ hours  
 Static rock pressure, 2050 psig (surface measurement) after 72 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 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.

Alexander  
Benson

5332-60  
4992-5002

60,000 # Sand  
65,000 # Sand

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks
					Including indication of all fr and salt water, coal, oil and
Fill & Clay			0	5	1 inch H2/O at 45'
Shale & R. Rock			5	25	
Sand & Shale			25	35	
Sand			35	135	
Coal			135	138	
Sand			138	195	
Sand & Shale			195	309	
Coal			309	314	
Sand & Shale			314	405	
Coal			405	408	
Sand & Shale			408	898	
Sand & Shale			898	2040	
Big Lime			2040	2160	
Sand & Shale			2160	3400	
Shale			3400	3720	
Sand & Shale			3720	4420	
Shale			4420	4970	
Benson			4970	4990	
Shale			4990	5280	
Brown Sand			5280	5290	
Alexander			5300	5310	
Shale			5310	5468	
Shale			5468	5499	
Gamma Ray Log					
Big Lime			2050	2202	
Benson			4991	5006	
Alexander			5331	5365	

(Attach separate sheets if complete is necessary)

*James F. Scott*

Well Operator

by James F. Scott

Its Owner/Operator

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."

X

X

X

1085

Traugh Fork

Greenbrier

Doddridge

Big Isaac

Scott Enterprises

MINERALS

SAME

P.O. Box 112

Salem, W. Va. 26426

Robert Oneacre

Route 3

Salem, W. Va. 26426

23.39

Robert L. Oneacre

Route 3

Salem, W. Va. 26426

23.39

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Consolidation Coal

Address P.O. Box 1314

Morgantown, W. Va. 26505

Name

Address

COAL LESSEE WITH DECLARATION

Name

Address

RECEIVED

JAN 12 1981

OIL & GAS DIVISION  
DEPT. OF MINES

Steve Casey

Route 2

Jane Lew, W. Va.

Robert L. and Patricia Oneacre

May 1980

114

638

Doddridge

X

BLANKET BOND

Scott Enterprises, Inc.

*D. Edward Powell*

PERMIT TO DRILL

THIS IS AN ESTIMATED QUANTITY  
ADDITIONAL INFORMATION MUST BE SUBMITTED ON FORM IV-11 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S. W. Jask Drilling  
Address Buckhamton, W. Va.

GENERAL TARGET FORMATION, Big Injun; Fifth Sand; Balltown;  
Benson; Alexander

Estimated depth of completed well, 5300 feet Rotary  Latent

Approximate water rights depths: Fresh, \_\_\_\_\_ feet; Salt, \_\_\_\_\_ feet.

Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No

CASING AND TUBING PROGRAM

CASING & TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4					30'			Kinds
Fresh water									
Intermediate	8 5/8						750	to surface	Sizes
Production	4 1/2						5300	400 sks. 530 sks. or as reqd. by rule 15.01	Depths set
Logging									Perforations:
									Top Bottom

Regulation 2.21 of the Department of Mines provides that the original and four copies of Form IV-11 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 § 20-4-2, (iii) Form IV-8, "Reclamation Plan", applicable to the reclamation required by Code § 20-4-18b and Regulation 28, (iv) unless otherwise noted to the same effect, the fee required by Code § 20-4-12a, and (v) the consent required by Code § 20-4-2a from the owner of any water well or drilling of the same in the area of the proposed well.

A separate Form IV-11 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 Form IV-11 is filed in application therefor.

**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 9-13-81.

J. P. Hussey  
Deputy Director - Oil & Gas Division

This permit is valid only when used in accordance with Code § 20-4-10, if the permit holder fails to comply with the provisions thereof.

The undersigned hereby certifies that the information furnished in this permit is true and correct to the best of his knowledge and belief, and that the permit holder has complied with all applicable laws, rules and regulations.

*January*