



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. BIG ISAAC 7.5 TOPO ELEV. 1276'

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. 1002 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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



DATE NOVEMBER 19<sup>TH</sup> 19 80  
 OPERATOR'S WELL NO. 5-332  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2892  
 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 1318' WATER SHED COBURN FORK OF TENMILE CREEK  
 DISTRICT GREENBRIER COUNTY ODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 Nadin 15 N2  
 SURFACE OWNER TILLMAN WILLIAMS ACREAGE 15 Ac.  
 OIL & GAS ROYALTY OWNER VELMA ARTERS LEASE ACREAGE 15 Ac.  
 LEASE NO. 305  
 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 ALEXANDER ESTIMATED DEPTH 5200'  
 WELL OPERATOR SCOTT OIL AND GAS CO. DESIGNATED AGENT JAMES F. SCOTT  
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112  
SALEM, WEST VIRGINIA 26426 SALEM, WEST VIRGINIA 26426

JAN 2 1981

6-6 Salem (102) (146)

WELL OPERATOR'S REPORT  
OF

WELL NO. 11-017-289  
COUNTY: FERRIS

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal

IF "Gas", Production X / Underground storage / Deep / Shallow X

LOCATION: Elevation: 1318 Watershed: Coburn Fork of Tenmile Creek

District: Greenbrier County: Doddridge Submerged: Big Isaac 7.5'

WELL OPERATOR: James F. Scott DESIGNATED AGENT: SAME

Address: P.O. Box 117 Salem, W. Va. 26426

PERMITTED WORK: Drill X / Convert / Drill deeper / Ream / Plug off old formation / Perforate new formation

Other (or local change in well) (specify)

PERMIT ISSUED IN: Nov. 24, 1980

OIL & GAS INSPECTOR FOR THIS WELL:

IF APPLICABLE: FUNDING OR DRY HOLE OR CONTINUING PROGRESS IN REY. DRILLING OR REWORKING, UNDER EXEMPTION OBTAINED

Name: Paul Garrett

Address: 321 Beech Street  
Clarksburg, W. Va. 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5764 feet

Depth of completed well, 5764 feet Rotary X / Cable Tools

Water strata depth: Fresh, 135-138; 172-176; 258-262 feet; salt, 428-438 feet.

Coal seam depths: 428-438 Is coal being mined in the area? NO

Work was commenced Dec. 8, 1980, and completed Dec. 14, 1980

CASINGS 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								Rinds
Fresh water	11 3/4							
Coal								Sizes
Intermediate	8 5/8		23	X			1111	to surface
Production	4 1/2		10.5	X			5717	630 sks. Depth see.
Tubing								
Liners								Perforations:
								Top 3000'

OIL & GAS DIVISION

OPEN FLOW DATA

1,678 MCF

Producing formation: 5256-69 Bottom; 5598-5605 Alexander; 3281-94 5th Sand Pay zone depth

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

Final open flow, 1678 Mcf/d Final open flow, bbl/d

Time of open flow between initial and final tests, hours

Static rock pressure, 1850 psig (surface measurement) after 72 hours shut in

[If applicable due to multiple completion--]

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 rock pressure, psig (surface measurement) after hours shut in

AUG 17 1981

[08-78]

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

Alexander	5598-5605	10 holes	.39	60,000#	Sand
Benson	5256-5269	14 holes	.39	60,000#	Sand
5th Sand	3281-3294	14 holes	.39	35,000#	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
Shale & Red Rock			0	50	
Sand			50	115	
Sand & Shale			115	135	
Coal			135	138	
Sand			138	172	
Coal			172	176	
Sand			176	258	
Sand			258	262	
Coal			262	428	
Shale			428	438	
Shale			438	1153	
Sand & Shale			1153	2270	
L. Lime			- 2270	2280	
Shale			2280	2320	
B. Lime			- 2320	2455	
Shale			2455	2610	
Sand & Shale			2610	5250	
Benson			- 5250	5270	
Shale			5270	5645	
Alexander			5645	5675	
Shale			5675	5764	
Gamma Ray Log					
Big Lime-Big Injun			2315	2466	
5th Sand			3280	3296	
Benson			5256	5270	
Alexander			5598	5606	

(Attach separate sheets to complete as necessary.)

James F. Scott  
Well Operator  
By James F. Scott  
Its Owner/Operator

NOTE: Regulation 2.01(1) 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."



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 Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5200 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

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

NOTES: Regulation 7.06 of the Department of Mines provides that the original and four copies of Form IV-9 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-9 shall not be required for fracturing or stimulating a well unless such is to be part of the work for which a permit is sought and entered as such on the Form IV-1 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 7-26-81

Deputy Director - Oil & Gas Division

This permit must be completed by the well operator and by any coal owner or landowner who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

I, the undersigned, owner / lessee / of the coal under this well located at 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 well being drilled at this location, provided, the well operator has complied with all provisions of the West Virginia Code and the governing regulations.

By Its